Cluster

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß						
	1:Case 1	2:Case 2	3:Case 3	4:Case 4	5:Case 5	6:Case 6	7:Case 7
1:Case 1	,000	7,888	11,202	8,412	7,397	10,582	13,137
2:Case 2	7,888	,000	14,520	5,303	1,811	27,622	22,848
3:Case 3	11,202	14,520	,000	3,072	10,735	26,385	18,295
4:Case 4	8,412	5,303	3,072	,000	3,492	25,287	21,086
5:Case 5	7,397	1,811	10,735	3,492	,000	28,779	27,626
6:Case 6	10,582	27,622	26,385	25,287	28,779	,000	15,347
7:Case 7	13,137	22,848	18,295	21,086	27,626	15,347	,000
8:Case 8	8,265	7,424	19,040	11,515	12,530	12,693	11,559
9:Case 9	13,950	21,203	14,202	15,985	20,385	22,498	13,011
10:Case 10	7,842	10,950	15,232	11,374	14,081	10,577	8,033
11:Case 11	10,162	8,701	5,303	2,231	8,538	22,576	19,542
12:Case 12	7,492	13,274	8,652	9,246	14,431	17,733	7,179
13:Case 13	11,887	19,971	11,996	16,257	17,506	27,711	11,766
14:Case 14	7,656	15,739	5,521	8,090	13,274	19,544	12,612
15:Case 15	6,928	19,581	24,382	21,088	20,411	11,401	17,928
16:Case 16	18,715	29,629	22,506	25,174	34,407	30,693	15,855
17:Case 17	12,073	19,785	9,489	11,273	15,672	16,411	17,724
18:Case 18	4,316	16,329	10,135	11,515	17,485	8,744	6,603
19:Case 19	7,842	10,950	20,861	17,003	14,081	16,206	8,033
20:Case 20	19,403	24,192	4,480	8,741	18,433	30,079	25,871
21:Case 21	13,116	18,722	10,644	10,736	16,257	22,190	20,550
22:Case 22	6,603	16,792	4,926	7,495	12,680	12,633	14,854
23:Case 23	16,421	25,321	19,967	21,751	26,151	23,321	12,188
24:Case 24	4,480	5,941	11,960	6,410	7,424	10,555	13,042
25:Case 25	18,589	36,212	13,435	20,052	32,099	25,190	29,562
26:Case 26	3,077	9,317	4,785	3,687	7,179	10,800	14,431
27:Case 27	5,941	4,480	3,896	,824	4,316	21,168	15,320
28:Case 28	6,192	6,202	6,625	3,050	4,064	21,420	20,024
29:Case 29	13,872	16,183	8,196	6,595	10,424	27,933	32,973
30:Case 30	15,197	26,464	27,458	22,190	24,326	6,787	34,106
31:Case 31	6,603	16,792	4,926	7,495	12,680	12,633	14,854
32:Case 32	4,316	11,373	20,720	17,144	12,530	14,373	11,559
33:Case 33	2,231	8,471	7,324	4,533	6,333	11,646	18,662
34:Case 34	19,299	10,757	30,277	17,393	17,837	31,802	30,773
35:Case 35	6,855	10,617	7,655	5,772	8,479	12,885	15,609
36:Case 36	3,896	3,710	10,896	5,346	3,546	14,433	15,753
37:Case 37	8,731	13,696	,824	3,896	11,559	22,266	12,530
38:Case 38	4,209	10,449	5,346	5,941	8,311	13,053	10,485
39:Case 39	7,179	6,535	19,831	14,281	9,666	24,742	12,448
40:Case 40	10,825	13,116	6,333	4,953	12,953	14,040	15,127
41:Case 41	3,687	10,123	7,842	7,026	6,011	23,422	22,093
42:Case 42	12,885	11,247	7,209	3,633	7,462	26,945	30,011
43:Case 43	8,351	12,486	13,557	9,074	11,996	22,503	26,566
44:Case 44	9,718	9,074	18,984	15,127	12,205	25,588	9,909
45:Case 45	4,064	6,356	5,772	2,700	6,192	11,787	13,444
46:Case 46	3,470	7,232	11,040	5,772	5,094	12,885	22,379
47:Case 47	8,412	13,201	3,072	3,949	7,441	25,287	25,034
48:Case 48	13,872	8,286	8,196	2,646	6,475	27,933	29,024
49:Case 49	10,001	21,837	8,804	11,373	19,372	11,569	14,957
50:Case 50	4,926	16,742	20,697	18,410	19,873	6,356	10,316
51:Case 51	13,026	14,945	18,240	10,998	13,134	13,769	33,255
52:Case 52	10,414	10,424	8,033	4,457	8,286	22,827	24,246
53:Case 53	6,669	18,309	12,039	12,633	17,818	3,546	9,650
54:Case 54	18,766	24,830	10,072	11,856	19,070	21,936	27,711
55:Case 55	6,435	14,146	10,050	10,141	10,034	15,279	17,163

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß						
Fall	1:Case 1	2:Case 2	3:Case 3	4:Case 4	5:Case 5	6:Case 6	7:Case 7
56:Case 56	8,479	14,916	8,679	11,247	10,804	27,643	16,730
57:Case 57	7,492	9,980	2,063	2,657	7,842	21,027	13,769
58:Case 58	4,457	12,168	12,028	8,734	8,056	13,872	25,341
59:Case 59	2,253	10,141	7,256	6,158	9,650	8,329	10,313
60:Case 60	11,304	25,245	12,808	17,070	21,133	10,950	14,477
61:Case 61	4,102	14,664	9,074	10,736	12,199	22,190	16,736
62:Case 62	12,711	19,147	3,896	8,157	15,035	24,553	15,884
63:Case 63	13,872	21,139	3,241	6,595	15,379	27,933	28,017
64:Case 64	13,950	33,663	16,751	23,491	32,846	7,487	8,056
65:Case 65	10,571	21,767	3,939	9,489	19,629	16,601	11,892
66:Case 66	5,941	4,480	3,896	,824	4,316	21,168	15,320
67:Case 67	4,949	10,555	11,491	9,889	8,090	21,343	17,460
68:Case 68	7,064	,824	16,991	7,774	4,282	25,151	18,730
69:Case 69	12,711	19,147	3,896	8,157	15,035	24,553	15,884
70:Case 70	5,941	12,377	3,896	4,772	8,265	21,168	19,269
71:Case 71	19,403	24,192	4,480	8,741	18,433	30,079	25,871
72:Case 72	10,050	21,442	6,435	10,574	17,329	26,970	23,500
73:Case 73	7,492	9,980	2,063	2,657	7,842	21,027	13,769
74:Case 74	5,825	2,063	13,274	6,535	5,521	23,912	15,013
75:Case 75	12,711	19,147	3,896	8,157	15,035	24,553	15,884
76:Case 76	7,492	9,980	2,063	2,657	7,842	21,027	13,769
77:Case 77	6,180	4,522	11,273	4,533	6,333	15,595	18,662
78:Case 78	1,833	13,670	9,650	10,527	11,205	10,723	11,867

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
1:Case 1	8,265	13,950	7,842	10,162	7,492	11,887
2:Case 2	7,424	21,203	10,950	8,701	13,274	19,971
3:Case 3	19,040	14,202	15,232	5,303	8,652	11,996
4:Case 4	11,515	15,985	11,374	2,231	9,246	16,257
5:Case 5	12,530	20,385	14,081	8,538	14,431	17,506
6:Case 6	12,693	22,498	10,577	22,576	17,733	27,711
7:Case 7	11,559	13,011	8,033	19,542	7,179	11,766
8:Case 8	,000	14,146	1,833	8,804	7,910	21,837
9:Case 9	14,146	,000	6,671	13,274	3,072	7,691
10:Case 10	1,833	6,671	,000	8,663	4,102	14,363
11:Case 11	8,804	13,274	8,663	,000	6,535	20,822
12:Case 12	7,910	3,072	4,102	6,535	,000	8,286
13:Case 13	21,837	7,691	14,363	20,822	8,286	,000
14:Case 14	13,670	2,909	7,888	7,026	1,811	6,475
15:Case 15	10,555	10,316	8,157	16,730	8,311	19,655
16:Case 16	24,355	32,211	25,907	20,816	16,346	31,638
17:Case 17	15,564	5,171	8,090	11,856	8,243	9,568
18:Case 18	8,904	11,204	6,789	8,804	3,961	13,940
19:Case 19	7,462	12,300	5,629	19,921	9,731	8,734
20:Case 20	24,205	10,059	16,730	8,157	10,653	15,960
21:Case 21	13,838	3,077	8,056	6,857	4,457	14,750
22:Case 22	14,264	7,256	8,482	8,078	6,158	9,175
23:Case 23	14,970	,824	7,495	17,393	3,896	10,162
24:Case 24	1,811	10,034	1,670	5,346	5,772	16,078
25:Case 25	34,254	34,016	31,857	17,821	22,100	34,131
26:Case 26	8,482	10,782	6,367	4,271	6,017	12,701
27:Case 27	7,397	11,867	7,256	1,407	5,128	13,786
28:Case 28	9,120	7,667	7,004	3,633	5,380	12,064
29:Case 29	19,581	12,205	15,491	6,011	11,892	20,583
30:Case 30	17,002	30,192	16,579	19,959	26,212	40,218
31:Case 31	14,264	7,256	8,482	8,078	6,158	9,175
32:Case 32	9,578	11,877	7,462	20,062	9,590	8,311
33:Case 33	9,328	15,013	8,906	5,117	8,556	16,932
34:Case 34	7,656	30,742	14,849	11,867	19,147	44,063
35:Case 35	8,090	7,004	4,282	6,356	6,410	11,401
36:Case 36	5,689	13,912	5,548	8,744	9,650	12,680
37:Case 37	14,921	10,083	11,113	4,480	4,533	9,525
38:Case 38	10,736	9,650	6,928	9,339	6,578	5,941
39:Case 39	8,492	12,963	8,351	17,198	8,701	9,396
40:Case 40	7,774	12,612	5,941	2,723	7,565	20,160
41:Case 41	17,548	13,557	15,151	10,424	9,074	9,847
42:Case 42	14,645	13,192	12,530	3,050	10,905	21,571
43:Case 43	12,680	17,997	13,950	5,196	9,847	27,192
44:Case 44	9,339	10,424	7,505	18,045	7,855	6,857
45:Case 45	5,521	13,744	5,380	3,284	7,004	15,663
46:Case 46	8,090	13,774	7,667	6,356	9,795	18,171
47:Case 47	19,413	12,037	15,323	6,180	9,246	12,309
48:Case 48	11,683	16,154	11,543	2,063	11,892	24,532
49:Case 49	13,201	6,192	7,418	7,495	5,094	15,388
50:Case 50	10,072	25,433	11,624	18,514	14,524	22,540
51:Case 51	12,530	27,890	14,081	10,414	21,936	36,269
52:Case 52	10,527	9,074	8,412	2,226	6,787	19,100
53:Case 53	8,734	11,401	4,926	11,569	8,329	14,967
54:Case 54	21,090	10,696	13,615	11,273	13,769	19,075
55:Case 55	14,433	7,424	8,651	13,539	8,804	6,192

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
56:Case 56	21,769	11,009	15,987	17,460	9,911	1,670
57:Case 57	11,205	6,367	7,397	3,241	3,295	8,286
58:Case 58	13,025	12,787	10,628	9,317	10,782	17,184
59:Case 59	6,011	8,311	3,896	5,094	3,546	11,877
60:Case 60	20,087	13,446	12,612	20,468	14,040	9,736
61:Case 61	18,793	14,803	16,396	12,486	7,842	10,263
62:Case 62	18,679	4,533	11,205	8,741	5,128	6,453
63:Case 63	24,536	17,161	20,447	6,011	11,892	20,583
64:Case 64	19,101	12,461	11,627	20,780	10,577	15,197
65:Case 65	19,239	18,154	15,432	10,072	10,126	15,118
66:Case 66	7,397	11,867	7,256	1,407	5,128	13,786
67:Case 67	12,992	5,616	8,902	11,640	5,303	6,031
68:Case 68	4,953	18,732	8,479	9,525	10,804	19,147
69:Case 69	18,679	4,533	11,205	8,741	5,128	6,453
70:Case 70	15,294	7,919	11,205	5,356	5,128	9,838
71:Case 71	24,205	10,059	16,730	8,157	10,653	15,960
72:Case 72	26,051	22,061	23,654	11,158	12,622	19,024
73:Case 73	11,205	6,367	7,397	3,241	3,295	8,286
74:Case 74	6,192	19,971	9,718	8,286	9,565	17,908
75:Case 75	18,679	4,533	11,205	8,741	5,128	6,453
76:Case 76	11,205	6,367	7,397	3,241	3,295	8,286
77:Case 77	5,380	22,911	8,906	5,117	12,505	24,830
78:Case 78	12,354	8,731	8,265	12,278	5,941	6,669

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
1:Case 1	7,656	6,928	18,715	12,073	4,316	7,842
2:Case 2	15,739	19,581	29,629	19,785	16,329	10,950
3:Case 3	5,521	24,382	22,506	9,489	10,135	20,861
4:Case 4	8,090	21,088	25,174	11,273	11,515	17,003
5:Case 5	13,274	20,411	34,407	15,672	17,485	14,081
6:Case 6	19,544	11,401	30,693	16,411	8,744	16,206
7:Case 7	12,612	17,928	15,855	17,724	6,603	8,033
8:Case 8	13,670	10,555	24,355	15,564	8,904	7,462
9:Case 9	2,909	10,316	32,211	5,171	11,204	12,300
10:Case 10	7,888	8,157	25,907	8,090	6,789	5,629
11:Case 11	7,026	16,730	20,816	11,856	8,804	19,921
12:Case 12	1,811	8,311	16,346	8,243	3,961	9,731
13:Case 13	6,475	19,655	31,638	9,568	13,940	8,734
14:Case 14	,000	9,795	21,778	4,785	5,772	13,516
15:Case 15	9,795	,000	25,647	15,029	7,613	13,786
16:Case 16	21,778	25,647	,000	40,676	9,489	31,536
17:Case 17	4,785	15,029	40,676	,000	12,622	13,718
18:Case 18	5,772	7,613	9,489	12,622	,000	12,418
19:Case 19	13,516	13,786	31,536	13,718	12,418	,000
20:Case 20	5,548	25,317	37,300	5,346	16,307	27,988
21:Case 21	2,646	9,963	31,857	4,953	10,896	19,314
22:Case 22	2,700	12,037	27,773	2,085	6,367	14,111
23:Case 23	5,380	9,493	31,387	9,289	12,028	13,124
24:Case 24	7,910	8,090	25,839	8,157	6,766	7,299
25:Case 25	18,642	28,642	14,645	28,845	11,491	43,115
26:Case 26	4,533	10,485	22,272	5,611	4,533	11,996
27:Case 27	5,619	15,323	19,409	10,449	7,397	12,885
28:Case 28	3,896	11,123	29,068	6,249	10,126	12,633
29:Case 29	6,787	17,308	39,202	7,492	16,639	26,749
30:Case 30	24,729	17,312	46,516	17,516	18,009	27,837
31:Case 31	2,700	12,037	27,773	2,085	6,367	14,111
32:Case 32	11,401	8,286	29,984	13,296	10,584	1,833
33:Case 33	7,072	9,639	21,426	9,842	5,380	14,535
34:Case 34	26,881	20,748	26,848	35,913	20,509	26,106
35:Case 35	4,926	11,785	33,483	1,833	9,096	9,911
36:Case 36	10,141	13,615	31,364	8,741	10,644	5,548
37:Case 37	3,050	18,617	16,740	8,665	6,017	16,742
38:Case 38	5,094	14,431	26,218	4,480	6,787	6,928
39:Case 39	12,486	13,124	27,121	18,134	13,448	2,723
40:Case 40	8,056	17,393	25,231	7,441	7,774	17,198
41:Case 41	5,616	11,935	23,918	12,139	9,650	15,151
42:Case 42	7,774	18,295	36,241	8,479	15,652	23,787
43:Case 43	10,011	9,650	17,685	19,874	8,731	25,207
44:Case 44	11,640	15,663	29,659	15,595	14,294	1,876
45:Case 45	7,495	13,447	21,285	8,573	5,521	11,009
46:Case 46	8,311	8,400	30,098	8,604	9,096	13,296
47:Case 47	4,141	17,140	29,123	7,324	11,515	20,952
48:Case 48	10,736	21,257	35,254	11,441	16,639	22,800
49:Case 49	3,284	9,326	25,062	4,316	5,303	18,676
50:Case 50	18,309	13,011	14,691	23,099	5,117	11,624
51:Case 51	20,780	20,411	41,912	15,672	17,485	25,339
52:Case 52	5,303	12,530	30,475	7,656	11,534	19,669
53:Case 53	8,492	10,782	26,322	5,772	4,785	10,555
54:Case 54	8,663	22,202	47,849	2,231	18,148	24,873
55:Case 55	5,346	12,205	37,852	2,253	11,491	8,651

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
56:Case 56	6,453	19,542	31,525	9,590	13,872	10,358
57:Case 57	1,811	14,900	22,935	4,949	7,256	13,026
58:Case 58	7,324	7,413	33,060	7,616	10,083	16,257
59:Case 59	3,710	6,367	18,154	6,435	2,063	9,525
60:Case 60	10,582	19,552	39,040	4,522	12,189	12,612
61:Case 61	6,031	11,534	13,606	16,679	5,941	16,396
62:Case 62	1,670	18,144	30,128	3,115	10,782	16,834
63:Case 63	6,787	22,264	24,336	12,448	11,683	31,704
64:Case 64	10,414	15,272	24,849	10,126	6,249	17,256
65:Case 65	8,643	22,935	14,900	12,983	5,380	21,060
66:Case 66	5,619	15,323	19,409	10,449	7,397	12,885
67:Case 67	3,492	7,424	29,319	7,492	10,050	8,902
68:Case 68	14,916	15,463	25,511	20,608	13,858	8,479
69:Case 69	1,670	18,144	30,128	3,115	10,782	16,834
70:Case 70	1,670	11,374	23,358	6,500	7,397	16,834
71:Case 71	5,548	25,317	37,300	5,346	16,307	27,988
72:Case 72	9,164	20,439	12,600	20,642	8,243	29,283
73:Case 73	1,811	14,900	22,935	4,949	7,256	13,026
74:Case 74	13,677	16,702	16,839	21,847	10,141	9,718
75:Case 75	1,670	18,144	30,128	3,115	10,782	16,834
76:Case 76	1,811	14,900	22,935	4,949	7,256	13,026
77:Case 77	14,970	17,536	21,426	17,740	9,328	14,535
78:Case 78	4,130	6,787	22,523	6,855	4,457	8,265

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
1:Case 1	19,403	13,116	6,603	16,421	4,480	18,589
2:Case 2	24,192	18,722	16,792	25,321	5,941	36,212
3:Case 3	4,480	10,644	4,926	19,967	11,960	13,435
4:Case 4	8,741	10,736	7,495	21,751	6,410	20,052
5:Case 5	18,433	16,257	12,680	26,151	7,424	32,099
6:Case 6	30,079	22,190	12,633	23,321	10,555	25,190
7:Case 7	25,871	20,550	14,854	12,188	13,042	29,562
8:Case 8	24,205	13,838	14,264	14,970	1,811	34,254
9:Case 9	10,059	3,077	7,256	,824	10,034	34,016
10:Case 10	16,730	8,056	8,482	7,495	1,670	31,857
11:Case 11	8,157	6,857	8,078	17,393	5,346	17,821
12:Case 12	10,653	4,457	6,158	3,896	5,772	22,100
13:Case 13	15,960	14,750	9,175	10,162	16,078	34,131
14:Case 14	5,548	2,646	2,700	5,380	7,910	18,642
15:Case 15	25,317	9,963	12,037	9,493	8,090	28,642
16:Case 16	37,300	31,857	27,773	31,387	25,839	14,645
17:Case 17	5,346	4,953	2,085	9,289	8,157	28,845
18:Case 18	16,307	10,896	6,367	12,028	6,766	11,491
19:Case 19	27,988	19,314	14,111	13,124	7,299	43,115
20:Case 20	,000	5,380	4,953	15,824	15,151	21,466
21:Case 21	5,380	,000	5,346	5,548	8,078	25,907
22:Case 22	4,953	5,346	,000	11,374	6,857	15,942
23:Case 23	15,824	5,548	11,374	,000	12,505	38,135
24:Case 24	15,151	8,078	6,857	12,505	,000	26,848
25:Case 25	21,466	25,907	15,942	38,135	26,848	,000
26:Case 26	8,479	7,179	1,833	14,900	3,050	14,390
27:Case 27	9,565	8,265	6,671	15,985	3,939	19,228
28:Case 28	7,842	4,064	4,949	11,785	3,687	24,939
29:Case 29	4,624	4,141	6,192	17,971	10,527	23,368
30:Case 30	27,553	22,083	14,524	34,310	11,569	28,314
31:Case 31	4,953	5,346	,000	11,374	6,857	15,942
32:Case 32	27,565	17,198	11,996	12,701	7,440	37,615
33:Case 33	12,711	9,718	4,372	19,132	3,896	13,544
34:Case 34	37,987	24,235	31,228	31,566	11,441	41,634
35:Case 35	7,179	5,094	2,226	11,123	2,657	25,601
36:Case 36	16,901	13,124	7,441	18,030	2,231	30,246
37:Case 37	5,303	8,173	4,102	14,202	9,489	12,611
38:Case 38	10,162	10,555	2,394	13,769	5,303	21,151
39:Case 39	28,650	18,284	16,834	13,786	8,329	42,453
40:Case 40	7,495	7,888	5,356	16,730	4,316	18,484
41:Case 41	14,069	11,076	6,669	17,675	10,141	18,655
42:Case 42	5,611	5,128	7,179	18,958	7,565	24,355
43:Case 43	17,822	9,842	12,711	20,468	8,895	15,683
44:Case 44	26,112	17,437	15,987	11,247	9,175	44,991
45:Case 45	11,441	10,141	4,795	17,862	2,063	17,352
46:Case 46	13,950	8,479	5,611	17,893	2,657	22,216
47:Case 47	4,792	6,787	3,546	17,802	10,358	16,103
48:Case 48	8,573	8,090	10,141	21,919	6,578	27,317
49:Case 49	6,017	3,115	2,231	8,663	7,441	15,358
50:Case 50	33,351	26,247	15,151	26,257	9,909	19,704
51:Case 51	20,309	18,134	12,680	33,656	7,424	26,470
52:Case 52	6,435	2,657	6,356	13,192	5,094	23,532
53:Case 53	14,040	11,138	3,687	13,872	4,949	19,629
54:Case 54	3,115	6,017	4,316	16,462	12,036	28,262
55:Case 55	10,414	8,329	2,646	11,543	7,026	28,836

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
56:Case 56	14,335	14,727	7,505	15,127	14,363	29,076
57:Case 57	4,064	4,457	2,863	10,485	5,772	18,806
58:Case 58	12,962	7,492	4,624	16,906	5,619	21,229
59:Case 59	10,950	6,356	2,657	10,782	2,226	15,214
60:Case 60	13,958	16,043	4,130	17,564	12,680	26,271
61:Case 61	17,779	13,969	8,731	17,274	13,034	13,284
62:Case 62	2,231	4,316	2,723	8,652	11,273	22,050
63:Case 63	4,624	9,096	6,192	22,926	15,482	8,502
64:Case 64	17,564	15,538	7,256	13,284	14,989	19,150
65:Case 65	10,896	16,244	5,943	22,272	13,807	7,018
66:Case 66	9,565	8,265	6,671	15,985	3,939	19,228
67:Case 67	13,547	6,475	6,192	8,087	7,232	28,997
68:Case 68	26,663	17,899	17,616	21,203	5,117	37,035
69:Case 69	2,231	4,316	2,723	8,652	11,273	22,050
70:Case 70	5,616	4,316	2,723	12,037	7,888	15,280
71:Case 71	,000	5,380	4,953	15,824	15,151	21,466
72:Case 72	14,803	16,766	10,217	26,179	18,645	4,522
73:Case 73	4,064	4,457	2,863	10,485	5,772	18,806
74:Case 74	25,425	19,137	16,377	22,442	6,356	28,363
75:Case 75	2,231	4,316	2,723	8,652	11,273	22,050
76:Case 76	4,064	4,457	2,863	10,485	5,772	18,806
77:Case 77	20,608	17,616	12,270	27,029	3,896	21,442
78:Case 78	14,185	9,590	3,077	11,202	6,595	18,449

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
1:Case 1	3,077	5,941	6,192	13,872	15,197	6,603
2:Case 2	9,317	4,480	6,202	16,183	26,464	16,792
3:Case 3	4,785	3,896	6,625	8,196	27,458	4,926
4:Case 4	3,687	,824	3,050	6,595	22,190	7,495
5:Case 5	7,179	4,316	4,064	10,424	24,326	12,680
6:Case 6	10,800	21,168	21,420	27,933	6,787	12,633
7:Case 7	14,431	15,320	20,024	32,973	34,106	14,854
8:Case 8	8,482	7,397	9,120	19,581	17,002	14,264
9:Case 9	10,782	11,867	7,667	12,205	30,192	7,256
10:Case 10	6,367	7,256	7,004	15,491	16,579	8,482
11:Case 11	4,271	1,407	3,633	6,011	19,959	8,078
12:Case 12	6,017	5,128	5,380	11,892	26,212	6,158
13:Case 13	12,701	13,786	12,064	20,583	40,218	9,175
14:Case 14	4,533	5,619	3,896	6,787	24,729	2,700
15:Case 15	10,485	15,323	11,123	17,308	17,312	12,037
16:Case 16	22,272	19,409	29,068	39,202	46,516	27,773
17:Case 17	5,611	10,449	6,249	7,492	17,516	2,085
18:Case 18	4,533	7,397	10,126	16,639	18,009	6,367
19:Case 19	11,996	12,885	12,633	26,749	27,837	14,111
20:Case 20	8,479	9,565	7,842	4,624	27,553	4,953
21:Case 21	7,179	8,265	4,064	4,141	22,083	5,346
22:Case 22	1,833	6,671	4,949	6,192	14,524	,000
23:Case 23	14,900	15,985	11,785	17,971	34,310	11,374
24:Case 24	3,050	3,939	3,687	10,527	11,569	6,857
25:Case 25	14,390	19,228	24,939	23,368	28,314	15,942
26:Case 26	,000	2,863	3,115	6,333	10,998	1,833
27:Case 27	2,863	,000	2,226	7,418	21,366	6,671
28:Case 28	3,115	2,226	,000	3,218	19,140	4,949
29:Case 29	6,333	7,418	3,218	,000	19,544	6,192
30:Case 30	10,998	21,366	19,140	19,544	,000	14,524
31:Case 31	1,833	6,671	4,949	6,192	14,524	,000
32:Case 32	10,162	13,026	10,800	22,941	24,311	11,996
33:Case 33	,846	3,710	3,961	7,179	10,151	4,372
34:Case 34	20,087	13,274	16,971	26,593	29,912	31,228
35:Case 35	2,085	4,949	2,723	5,941	12,297	2,226
36:Case 36	3,633	4,522	4,271	12,278	14,967	7,441
37:Case 37	3,961	3,072	5,802	9,020	26,634	4,102
38:Case 38	2,253	5,117	5,369	11,401	17,758	2,394
39:Case 39	13,026	10,162	9,911	24,026	34,680	16,834
40:Case 40	3,241	4,130	6,356	8,734	13,116	5,356
41:Case 41	5,117	6,202	4,480	8,538	24,742	6,669
42:Case 42	5,346	4,457	2,231	,987	18,557	7,179
43:Case 43	7,492	6,603	6,855	8,906	19,795	12,711
44:Case 44	13,872	11,009	10,757	24,873	37,218	15,987
45:Case 45	,987	1,876	4,102	9,295	11,985	4,795
46:Case 46	2,085	4,949	2,723	5,941	8,912	5,611
47:Case 47	3,687	4,772	3,050	2,646	22,190	3,546
48:Case 48	6,333	3,470	3,218	3,949	19,544	10,141
49:Case 49	4,064	8,902	7,179	7,256	13,940	2,231
50:Case 50	9,650	14,292	18,996	30,297	16,742	15,151
51:Case 51	7,179	11,821	11,569	12,300	3,687	12,680
52:Case 52	4,522	3,633	1,407	1,811	17,733	6,356
53:Case 53	3,546	10,162	10,414	15,279	8,731	3,687
54:Case 54	7,842	12,680	8,479	5,261	16,932	4,316
55:Case 55	4,480	9,317	5,117	9,175	17,506	2,646

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
56:Case 56	9,339	10,424	8,701	15,574	35,163	7,505
57:Case 57	2,723	1,833	2,085	5,303	22,918	2,863
58:Case 58	3,072	7,910	3,710	4,953	9,900	4,624
59:Case 59	,824	3,687	3,939	8,804	11,821	2,657
60:Case 60	7,656	16,246	14,524	18,582	17,348	4,130
61:Case 61	7,179	8,265	9,020	14,725	29,282	8,731
62:Case 62	6,249	7,334	5,611	6,855	28,136	2,723
63:Case 63	6,333	7,418	8,173	4,955	24,499	6,192
64:Case 64	10,782	19,372	20,127	24,666	20,137	7,256
65:Case 65	5,802	8,665	13,872	17,090	23,447	5,943
66:Case 66	2,863	,000	2,226	7,418	21,366	6,671
67:Case 67	6,333	7,418	3,218	8,923	25,173	6,192
68:Case 68	10,141	5,303	7,026	18,654	27,288	17,616
69:Case 69	6,249	7,334	5,611	6,855	28,136	2,723
70:Case 70	2,863	3,949	2,226	3,470	21,366	2,723
71:Case 71	8,479	9,565	7,842	4,624	27,553	4,953
72:Case 72	8,665	9,750	12,983	14,227	30,431	10,217
73:Case 73	2,723	1,833	2,085	5,303	22,918	2,863
74:Case 74	8,902	4,064	8,265	19,893	28,527	16,377
75:Case 75	6,249	7,334	5,611	6,855	28,136	2,723
76:Case 76	2,723	1,833	2,085	5,303	22,918	2,863
77:Case 77	4,795	3,710	7,910	15,077	14,100	12,270
78:Case 78	3,218	8,056	6,333	12,039	17,030	3,077

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
1:Case 1	4,316	2,231	19,299	6,855	3,896	8,731
2:Case 2	11,373	8,471	10,757	10,617	3,710	13,696
3:Case 3	20,720	7,324	30,277	7,655	10,896	,824
4:Case 4	17,144	4,533	17,393	5,772	5,346	3,896
5:Case 5	12,530	6,333	17,837	8,479	3,546	11,559
6:Case 6	14,373	11,646	31,802	12,885	14,433	22,266
7:Case 7	11,559	18,662	30,773	15,609	15,753	12,530
8:Case 8	9,578	9,328	7,656	8,090	5,689	14,921
9:Case 9	11,877	15,013	30,742	7,004	13,912	10,083
10:Case 10	7,462	8,906	14,849	4,282	5,548	11,113
11:Case 11	20,062	5,117	11,867	6,356	8,744	4,480
12:Case 12	9,590	8,556	19,147	6,410	9,650	4,533
13:Case 13	8,311	16,932	44,063	11,401	12,680	9,525
14:Case 14	11,401	7,072	26,881	4,926	10,141	3,050
15:Case 15	8,286	9,639	20,748	11,785	13,615	18,617
16:Case 16	29,984	21,426	26,848	33,483	31,364	16,740
17:Case 17	13,296	9,842	35,913	1,833	8,741	8,665
18:Case 18	10,584	5,380	20,509	9,096	10,644	6,017
19:Case 19	1,833	14,535	26,106	9,911	5,548	16,742
20:Case 20	27,565	12,711	37,987	7,179	16,901	5,303
21:Case 21	17,198	9,718	24,235	5,094	13,124	8,173
22:Case 22	11,996	4,372	31,228	2,226	7,441	4,102
23:Case 23	12,701	19,132	31,566	11,123	18,030	14,202
24:Case 24	7,440	3,896	11,441	2,657	2,231	9,489
25:Case 25	37,615	13,544	41,634	25,601	30,246	12,611
26:Case 26	10,162	,846	20,087	2,085	3,633	3,961
27:Case 27	13,026	3,710	13,274	4,949	4,522	3,072
28:Case 28	10,800	3,961	16,971	2,723	4,271	5,802
29:Case 29	22,941	7,179	26,593	5,941	12,278	9,020
30:Case 30	24,311	10,151	29,912	12,297	14,967	26,634
31:Case 31	11,996	4,372	31,228	2,226	7,441	4,102
32:Case 32	,000	11,009	26,811	9,770	5,689	16,601
33:Case 33	11,009	,000	17,548	4,624	4,480	6,500
34:Case 34	26,811	17,548	,000	23,079	18,134	26,158
35:Case 35	9,770	4,624	23,079	,000	3,241	6,832
36:Case 36	5,689	4,480	18,134	3,241	,000	10,072
37:Case 37	16,601	6,500	26,158	6,832	10,072	,000
38:Case 38	6,787	4,792	28,540	2,646	3,072	4,522
39:Case 39	2,863	13,872	19,999	12,633	6,578	15,712
40:Case 40	19,032	5,779	17,975	3,633	7,714	5,510
41:Case 41	9,650	4,271	26,803	8,895	7,910	7,018
42:Case 42	21,954	6,192	19,682	4,953	9,316	8,033
43:Case 43	19,989	4,953	10,947	12,962	13,940	11,086
44:Case 44	3,710	16,411	24,230	11,787	7,424	14,866
45:Case 45	11,149	1,833	15,151	3,072	2,646	4,949
46:Case 46	9,770	1,239	16,309	3,385	3,241	10,217
47:Case 47	17,144	4,533	29,239	5,772	9,295	3,896
48:Case 48	22,941	7,179	14,747	5,941	8,329	9,020
49:Case 49	16,561	6,603	27,350	4,457	12,486	6,333
50:Case 50	10,072	8,804	22,884	15,906	10,973	16,579
51:Case 51	23,787	6,333	19,713	8,479	9,175	19,064
52:Case 52	17,836	5,369	15,564	4,130	8,492	7,209
53:Case 53	10,414	6,085	27,476	3,939	7,179	9,568
54:Case 54	24,450	12,073	38,624	4,064	13,786	10,896
55:Case 55	6,535	7,018	34,211	2,394	4,795	9,226

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
56:Case 56	8,243	11,877	40,610	9,731	9,317	7,855
57:Case 57	12,885	5,261	22,442	3,115	6,356	1,239
58:Case 58	10,757	2,226	23,219	4,372	6,202	11,204
59:Case 59	7,691	1,670	17,616	2,909	4,457	4,785
60:Case 60	12,189	11,887	47,003	6,356	10,449	11,985
61:Case 61	10,896	6,333	28,049	13,435	12,450	6,603
62:Case 62	16,411	10,480	35,276	4,949	11,856	3,072
63:Case 63	27,897	7,179	31,548	10,896	17,233	4,064
64:Case 64	16,833	15,013	43,203	11,960	18,867	12,633
65:Case 65	20,919	8,341	34,229	11,150	14,390	3,115
66:Case 66	13,026	3,710	13,274	4,949	4,522	3,072
67:Case 67	5,094	7,179	25,632	5,941	6,649	9,020
68:Case 68	8,902	9,295	8,286	11,441	4,533	14,520
69:Case 69	16,411	10,480	35,276	4,949	11,856	3,072
70:Case 70	13,026	3,710	25,121	4,949	8,471	3,072
71:Case 71	27,565	12,711	37,987	7,179	16,901	5,303
72:Case 72	23,783	7,819	32,493	17,398	19,228	5,611
73:Case 73	12,885	5,261	22,442	3,115	6,356	1,239
74:Case 74	10,141	8,056	9,525	12,680	5,772	10,804
75:Case 75	16,411	10,480	35,276	4,949	11,856	3,072
76:Case 76	12,885	5,261	22,442	3,115	6,356	1,239
77:Case 77	14,957	3,949	9,650	8,573	4,480	10,449
78:Case 78	4,457	4,064	28,748	5,303	6,011	7,179

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
1:Case 1	4,209	7,179	10,825	3,687	12,885	8,351
2:Case 2	10,449	6,535	13,116	10,123	11,247	12,486
3:Case 3	5,346	19,831	6,333	7,842	7,209	13,557
4:Case 4	5,941	14,281	4,953	7,026	3,633	9,074
5:Case 5	8,311	9,666	12,953	6,011	7,462	11,996
6:Case 6	13,053	24,742	14,040	23,422	26,945	22,503
7:Case 7	10,485	12,448	15,127	22,093	30,011	26,566
8:Case 8	10,736	8,492	7,774	17,548	14,645	12,680
9:Case 9	9,650	12,963	12,612	13,557	13,192	17,997
10:Case 10	6,928	8,351	5,941	15,151	12,530	13,950
11:Case 11	9,339	17,198	2,723	10,424	3,050	5,196
12:Case 12	6,578	8,701	7,565	9,074	10,905	9,847
13:Case 13	5,941	9,396	20,160	9,847	21,571	27,192
14:Case 14	5,094	12,486	8,056	5,616	7,774	10,011
15:Case 15	14,431	13,124	17,393	11,935	18,295	9,650
16:Case 16	26,218	27,121	25,231	23,918	36,241	17,685
17:Case 17	4,480	18,134	7,441	12,139	8,479	19,874
18:Case 18	6,787	13,448	7,774	9,650	15,652	8,731
19:Case 19	6,928	2,723	17,198	15,151	23,787	25,207
20:Case 20	10,162	28,650	7,495	14,069	5,611	17,822
21:Case 21	10,555	18,284	7,888	11,076	5,128	9,842
22:Case 22	2,394	16,834	5,356	6,669	7,179	12,711
23:Case 23	13,769	13,786	16,730	17,675	18,958	20,468
24:Case 24	5,303	8,329	4,316	10,141	7,565	8,895
25:Case 25	21,151	42,453	18,484	18,655	24,355	15,683
26:Case 26	2,253	13,026	3,241	5,117	5,346	7,492
27:Case 27	5,117	10,162	4,130	6,202	4,457	6,603
28:Case 28	5,369	9,911	6,356	4,480	2,231	6,855
29:Case 29	11,401	24,026	8,734	8,538	,987	8,906
30:Case 30	17,758	34,680	13,116	24,742	18,557	19,795
31:Case 31	2,394	16,834	5,356	6,669	7,179	12,711
32:Case 32	6,787	2,863	19,032	9,650	21,954	19,989
33:Case 33	4,792	13,872	5,779	4,271	6,192	4,953
34:Case 34	28,540	19,999	17,975	26,803	19,682	10,947
35:Case 35	2,646	12,633	3,633	8,895	4,953	12,962
36:Case 36	3,072	6,578	7,714	7,910	9,316	13,940
37:Case 37	4,522	15,712	5,510	7,018	8,033	11,086
38:Case 38	,000	9,650	6,616	6,249	10,414	15,945
39:Case 39	9,650	,000	19,921	10,736	21,065	19,100
40:Case 40	6,616	19,921	,000	14,839	5,772	11,304
41:Case 41	6,249	10,736	14,839	,000	9,525	8,286
42:Case 42	10,414	21,065	5,772	9,525	,000	7,919
43:Case 43	15,945	19,100	11,304	8,286	7,919	,000
44:Case 44	8,804	,846	19,075	13,274	21,911	23,331
45:Case 45	3,241	12,039	2,253	8,078	6,333	8,479
46:Case 46	6,031	12,633	7,018	5,510	4,953	6,192
47:Case 47	5,941	18,229	8,902	3,077	3,633	9,074
48:Case 48	11,401	20,078	4,785	12,486	,987	8,906
49:Case 49	7,440	21,399	4,772	11,714	8,243	10,480
50:Case 50	10,782	14,714	15,424	15,987	27,336	17,030
51:Case 51	13,940	28,429	7,324	19,145	9,339	13,872
52:Case 52	9,590	16,947	4,949	8,701	,824	5,448
53:Case 53	4,107	17,030	5,094	14,108	14,292	16,529
54:Case 54	9,525	29,288	6,857	17,184	6,249	20,937
55:Case 55	2,226	11,373	10,816	6,500	10,162	18,171

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
56:Case 56	4,271	9,328	18,490	4,792	16,561	22,092
57:Case 57	3,284	11,996	4,271	5,779	4,316	9,847
58:Case 58	7,018	15,595	9,980	4,522	5,941	7,179
59:Case 59	3,077	10,555	4,064	5,941	7,817	6,669
60:Case 60	3,710	20,780	12,300	15,122	19,569	28,485
61:Case 61	8,311	11,981	16,901	2,063	15,712	8,701
62:Case 62	5,117	17,496	8,078	9,024	7,842	16,758
63:Case 63	11,401	28,982	8,734	8,538	5,943	8,906
64:Case 64	9,650	25,423	12,612	21,062	25,653	25,502
65:Case 65	6,363	23,783	7,350	12,611	16,103	16,679
66:Case 66	5,117	10,162	4,130	6,202	4,457	6,603
67:Case 67	5,772	6,180	14,363	2,909	9,911	11,240
68:Case 68	11,273	4,064	13,940	10,947	13,718	11,663
69:Case 69	5,117	17,496	8,078	9,024	7,842	16,758
70:Case 70	5,117	14,111	8,078	2,253	4,457	6,603
71:Case 71	10,162	28,650	7,495	14,069	5,611	17,822
72:Case 72	12,611	24,868	15,573	6,363	15,214	9,020
73:Case 73	3,284	11,996	4,271	5,779	4,316	9,847
74:Case 74	10,034	5,303	12,701	9,708	14,957	10,424
75:Case 75	5,117	17,496	8,078	9,024	7,842	16,758
76:Case 76	3,284	11,996	4,271	5,779	4,316	9,847
77:Case 77	8,741	13,872	5,779	12,168	10,141	8,902
78:Case 78	2,657	9,295	11,247	3,546	13,026	11,877

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
1:Case 1	9,718	4,064	3,470	8,412	13,872	10,001
2:Case 2	9,074	6,356	7,232	13,201	8,286	21,837
3:Case 3	18,984	5,772	11,040	3,072	8,196	8,804
4:Case 4	15,127	2,700	5,772	3,949	2,646	11,373
5:Case 5	12,205	6,192	5,094	7,441	6,475	19,372
6:Case 6	25,588	11,787	12,885	25,287	27,933	11,569
7:Case 7	9,909	13,444	22,379	25,034	29,024	14,957
8:Case 8	9,339	5,521	8,090	19,413	11,683	13,201
9:Case 9	10,424	13,744	13,774	12,037	16,154	6,192
10:Case 10	7,505	5,380	7,667	15,323	11,543	7,418
11:Case 11	18,045	3,284	6,356	6,180	2,063	7,495
12:Case 12	7,855	7,004	9,795	9,246	11,892	5,094
13:Case 13	6,857	15,663	18,171	12,309	24,532	15,388
14:Case 14	11,640	7,495	8,311	4,141	10,736	3,284
15:Case 15	15,663	13,447	8,400	17,140	21,257	9,326
16:Case 16	29,659	21,285	30,098	29,123	35,254	25,062
17:Case 17	15,595	8,573	8,604	7,324	11,441	4,316
18:Case 18	14,294	5,521	9,096	11,515	16,639	5,303
19:Case 19	1,876	11,009	13,296	20,952	22,800	18,676
20:Case 20	26,112	11,441	13,950	4,792	8,573	6,017
21:Case 21	17,437	10,141	8,479	6,787	8,090	3,115
22:Case 22	15,987	4,795	5,611	3,546	10,141	2,231
23:Case 23	11,247	17,862	17,893	17,802	21,919	8,663
24:Case 24	9,175	2,063	2,657	10,358	6,578	7,441
25:Case 25	44,991	17,352	22,216	16,103	27,317	15,358
26:Case 26	13,872	,987	2,085	3,687	6,333	4,064
27:Case 27	11,009	1,876	4,949	4,772	3,470	8,902
28:Case 28	10,757	4,102	2,723	3,050	3,218	7,179
29:Case 29	24,873	9,295	5,941	2,646	3,949	7,256
30:Case 30	37,218	11,985	8,912	22,190	19,544	13,940
31:Case 31	15,987	4,795	5,611	3,546	10,141	2,231
32:Case 32	3,710	11,149	9,770	17,144	22,941	16,561
33:Case 33	16,411	1,833	1,239	4,533	7,179	6,603
34:Case 34	24,230	15,151	16,309	29,239	14,747	27,350
35:Case 35	11,787	3,072	3,385	5,772	5,941	4,457
36:Case 36	7,424	2,646	3,241	9,295	8,329	12,486
37:Case 37	14,866	4,949	10,217	3,896	9,020	6,333
38:Case 38	8,804	3,241	6,031	5,941	11,401	7,440
39:Case 39	,846	12,039	12,633	18,229	20,078	21,399
40:Case 40	19,075	2,253	7,018	8,902	4,785	4,772
41:Case 41	13,274	8,078	5,510	3,077	12,486	11,714
42:Case 42	21,911	6,333	4,953	3,633	,987	8,243
43:Case 43	23,331	8,479	6,192	9,074	8,906	10,480
44:Case 44	,000	12,885	15,172	19,075	20,924	20,552
45:Case 45	12,885	,000	3,072	6,649	5,346	7,026
46:Case 46	15,172	3,072	,000	5,772	5,941	7,842
47:Case 47	19,075	6,649	5,772	,000	6,595	7,424
48:Case 48	20,924	5,346	5,941	6,595	,000	11,205
49:Case 49	20,552	7,026	7,842	7,424	11,205	,000
50:Case 50	17,253	8,663	12,521	22,359	26,349	16,901
51:Case 51	30,968	6,192	5,094	14,946	8,351	13,744
52:Case 52	17,793	5,510	4,130	4,457	1,811	5,772
53:Case 53	16,184	4,533	7,324	12,633	15,279	4,271
54:Case 54	26,749	10,804	10,834	7,907	9,210	5,380
55:Case 55	10,527	7,441	5,779	6,192	13,124	7,691

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
56:Case 56	8,482	12,300	13,116	7,299	19,522	15,365
57:Case 57	11,149	3,710	6,500	2,657	5,303	5,094
58:Case 58	18,134	6,034	,987	4,785	8,902	6,855
59:Case 59	11,401	1,811	2,909	6,158	8,804	3,241
60:Case 60	18,241	10,617	13,126	13,121	22,530	9,175
61:Case 61	14,520	10,141	10,050	6,787	18,674	12,129
62:Case 62	14,957	9,210	11,719	4,209	10,804	4,953
63:Case 63	29,828	9,295	10,896	2,646	8,904	7,256
64:Case 64	22,884	13,744	18,730	19,542	28,614	6,192
65:Case 65	22,937	6,789	14,535	9,489	17,090	8,173
66:Case 66	11,009	1,876	4,949	4,772	3,470	8,902
67:Case 67	7,026	9,295	5,941	5,941	12,872	9,590
68:Case 68	6,603	7,179	8,056	15,672	10,757	21,014
69:Case 69	14,957	9,210	11,719	4,209	10,804	4,953
70:Case 70	14,957	5,825	4,949	,824	7,418	4,953
71:Case 71	26,112	11,441	13,950	4,792	8,573	6,017
72:Case 72	27,407	11,627	14,013	6,625	18,176	12,448
73:Case 73	11,149	3,710	6,500	2,657	5,303	5,094
74:Case 74	7,842	5,941	9,295	14,433	11,996	19,775
75:Case 75	14,957	9,210	11,719	4,209	10,804	4,953
76:Case 76	11,149	3,710	6,500	2,657	5,303	5,094
77:Case 77	16,411	1,833	5,188	12,431	7,179	14,501
78:Case 78	10,141	6,180	5,303	6,578	15,987	6,475

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	50:Case 50	51:Case 51	52:Case 52	53:Case 53	54:Case 54	55:Case 55
1:Case 1	4,926	13,026	10,414	6,669	18,766	6,435
2:Case 2	16,742	14,945	10,424	18,309	24,830	14,146
3:Case 3	20,697	18,240	8,033	12,039	10,072	10,050
4:Case 4	18,410	10,998	4,457	12,633	11,856	10,141
5:Case 5	19,873	13,134	8,286	17,818	19,070	10,034
6:Case 6	6,356	13,769	22,827	3,546	21,936	15,279
7:Case 7	10,316	33,255	24,246	9,650	27,711	17,163
8:Case 8	10,072	12,530	10,527	8,734	21,090	14,433
9:Case 9	25,433	27,890	9,074	11,401	10,696	7,424
10:Case 10	11,624	14,081	8,412	4,926	13,615	8,651
11:Case 11	18,514	10,414	2,226	11,569	11,273	13,539
12:Case 12	14,524	21,936	6,787	8,329	13,769	8,804
13:Case 13	22,540	36,269	19,100	14,967	19,075	6,192
14:Case 14	18,309	20,780	5,303	8,492	8,663	5,346
15:Case 15	13,011	20,411	12,530	10,782	22,202	12,205
16:Case 16	14,691	41,912	30,475	26,322	47,849	37,852
17:Case 17	23,099	15,672	7,656	5,772	2,231	2,253
18:Case 18	5,117	17,485	11,534	4,785	18,148	11,491
19:Case 19	11,624	25,339	19,669	10,555	24,873	8,651
20:Case 20	33,351	20,309	6,435	14,040	3,115	10,414
21:Case 21	26,247	18,134	2,657	11,138	6,017	8,329
22:Case 22	15,151	12,680	6,356	3,687	4,316	2,646
23:Case 23	26,257	33,656	13,192	13,872	16,462	11,543
24:Case 24	9,909	7,424	5,094	4,949	12,036	7,026
25:Case 25	19,704	26,470	23,532	19,629	28,262	28,836
26:Case 26	9,650	7,179	4,522	3,546	7,842	4,480
27:Case 27	14,292	11,821	3,633	10,162	12,680	9,317
28:Case 28	18,996	11,569	1,407	10,414	8,479	5,117
29:Case 29	30,297	12,300	1,811	15,279	5,261	9,175
30:Case 30	16,742	3,687	17,733	8,731	16,932	17,506
31:Case 31	15,151	12,680	6,356	3,687	4,316	2,646
32:Case 32	10,072	23,787	17,836	10,414	24,450	6,535
33:Case 33	8,804	6,333	5,369	6,085	12,073	7,018
34:Case 34	22,884	19,713	15,564	27,476	38,624	34,211
35:Case 35	15,906	8,479	4,130	3,939	4,064	2,394
36:Case 36	10,973	9,175	8,492	7,179	13,786	4,795
37:Case 37	16,579	19,064	7,209	9,568	10,896	9,226
38:Case 38	10,782	13,940	9,590	4,107	9,525	2,226
39:Case 39	14,714	28,429	16,947	17,030	29,288	11,373
40:Case 40	15,424	7,324	4,949	5,094	6,857	10,816
41:Case 41	15,987	19,145	8,701	14,108	17,184	6,500
42:Case 42	27,336	9,339	,824	14,292	6,249	10,162
43:Case 43	17,030	13,872	5,448	16,529	20,937	18,171
44:Case 44	17,253	30,968	17,793	16,184	26,749	10,527
45:Case 45	8,663	6,192	5,510	4,533	10,804	7,441
46:Case 46	12,521	5,094	4,130	7,324	10,834	5,779
47:Case 47	22,359	14,946	4,457	12,633	7,907	6,192
48:Case 48	26,349	8,351	1,811	15,279	9,210	13,124
49:Case 49	16,901	13,744	5,772	4,271	5,380	7,691
50:Case 50	,000	17,997	23,217	7,842	31,439	17,460
51:Case 51	17,997	,000	10,162	10,313	13,441	15,663
52:Case 52	23,217	10,162	,000	11,821	7,072	9,339
53:Case 53	7,842	10,313	11,821	,000	9,650	6,333
54:Case 54	31,439	13,441	7,072	9,650	,000	7,299
55:Case 55	17,460	15,663	9,339	6,333	7,299	,000

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	50:Case 50	51:Case 51	52:Case 52	53:Case 53	54:Case 54	55:Case 55
56:Case 56	20,780	29,566	15,737	14,945	17,450	4,522
57:Case 57	17,818	15,347	3,492	8,329	7,179	5,510
58:Case 58	15,482	8,056	5,117	8,311	9,847	4,792
59:Case 59	7,179	9,650	5,346	2,723	10,313	5,303
60:Case 60	16,099	19,257	18,745	4,064	9,568	3,961
61:Case 61	12,278	25,333	13,241	14,524	23,372	11,040
62:Case 62	25,011	22,540	7,018	10,162	5,346	5,369
63:Case 63	25,342	17,256	6,766	15,279	10,217	14,131
64:Case 64	12,972	25,341	21,535	3,896	15,652	12,380
65:Case 65	12,189	19,629	15,280	7,655	15,214	13,544
66:Case 66	14,292	11,821	3,633	10,162	12,680	9,317
67:Case 67	18,079	21,224	7,440	11,985	14,185	3,546
68:Case 68	14,271	17,416	11,247	17,485	27,301	14,970
69:Case 69	25,011	22,540	7,018	10,162	5,346	5,369
70:Case 70	18,241	15,770	3,633	10,162	8,731	5,369
71:Case 71	33,351	20,309	6,435	14,040	3,115	10,414
72:Case 72	17,395	24,834	14,390	17,657	22,873	17,818
73:Case 73	17,818	15,347	3,492	8,329	7,179	5,510
74:Case 74	10,555	18,655	12,486	16,246	28,540	16,209
75:Case 75	25,011	22,540	7,018	10,162	5,346	5,369
76:Case 76	17,818	15,347	3,492	8,329	7,179	5,510
77:Case 77	8,804	6,333	9,317	10,034	19,971	14,916
78:Case 78	8,734	16,834	10,555	5,117	13,547	2,909

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60	61:Case 61
1:Case 1	8,479	7,492	4,457	2,253	11,304	4,102
2:Case 2	14,916	9,980	12,168	10,141	25,245	14,664
3:Case 3	8,679	2,063	12,028	7,256	12,808	9,074
4:Case 4	11,247	2,657	8,734	6,158	17,070	10,736
5:Case 5	10,804	7,842	8,056	9,650	21,133	12,199
6:Case 6	27,643	21,027	13,872	8,329	10,950	22,190
7:Case 7	16,730	13,769	25,341	10,313	14,477	16,736
8:Case 8	21,769	11,205	13,025	6,011	20,087	18,793
9:Case 9	11,009	6,367	12,787	8,311	13,446	14,803
10:Case 10	15,987	7,397	10,628	3,896	12,612	16,396
11:Case 11	17,460	3,241	9,317	5,094	20,468	12,486
12:Case 12	9,911	3,295	10,782	3,546	14,040	7,842
13:Case 13	1,670	8,286	17,184	11,877	9,736	10,263
14:Case 14	6,453	1,811	7,324	3,710	10,582	6,031
15:Case 15	19,542	14,900	7,413	6,367	19,552	11,534
16:Case 16	31,525	22,935	33,060	18,154	39,040	13,606
17:Case 17	9,590	4,949	7,616	6,435	4,522	16,679
18:Case 18	13,872	7,256	10,083	2,063	12,189	5,941
19:Case 19	10,358	13,026	16,257	9,525	12,612	16,396
20:Case 20	14,335	4,064	12,962	10,950	13,958	17,779
21:Case 21	14,727	4,457	7,492	6,356	16,043	13,969
22:Case 22	7,505	2,863	4,624	2,657	4,130	8,731
23:Case 23	15,127	10,485	16,906	10,782	17,564	17,274
24:Case 24	14,363	5,772	5,619	2,226	12,680	13,034
25:Case 25	29,076	18,806	21,229	15,214	26,271	13,284
26:Case 26	9,339	2,723	3,072	,824	7,656	7,179
27:Case 27	10,424	1,833	7,910	3,687	16,246	8,265
28:Case 28	8,701	2,085	3,710	3,939	14,524	9,020
29:Case 29	15,574	5,303	4,953	8,804	18,582	14,725
30:Case 30	35,163	22,918	9,900	11,821	17,348	29,282
31:Case 31	7,505	2,863	4,624	2,657	4,130	8,731
32:Case 32	8,243	12,885	10,757	7,691	12,189	10,896
33:Case 33	11,877	5,261	2,226	1,670	11,887	6,333
34:Case 34	40,610	22,442	23,219	17,616	47,003	28,049
35:Case 35	9,731	3,115	4,372	2,909	6,356	13,435
36:Case 36	9,317	6,356	6,202	4,457	10,449	12,450
37:Case 37	7,855	1,239	11,204	4,785	11,985	6,603
38:Case 38	4,271	3,284	7,018	3,077	3,710	8,311
39:Case 39	9,328	11,996	15,595	10,555	20,780	11,981
40:Case 40	18,490	4,271	9,980	4,064	12,300	16,901
41:Case 41	4,792	5,779	4,522	5,941	15,122	2,063
42:Case 42	16,561	4,316	5,941	7,817	19,569	15,712
43:Case 43	22,092	9,847	7,179	6,669	28,485	8,701
44:Case 44	8,482	11,149	18,134	11,401	18,241	14,520
45:Case 45	12,300	3,710	6,034	1,811	10,617	10,141
46:Case 46	13,116	6,500	,987	2,909	13,126	10,050
47:Case 47	7,299	2,657	4,785	6,158	13,121	6,787
48:Case 48	19,522	5,303	8,902	8,804	22,530	18,674
49:Case 49	15,365	5,094	6,855	3,241	9,175	12,129
50:Case 50	20,780	17,818	15,482	7,179	16,099	12,278
51:Case 51	29,566	15,347	8,056	9,650	19,257	25,333
52:Case 52	15,737	3,492	5,117	5,346	18,745	13,241
53:Case 53	14,945	8,329	8,311	2,723	4,064	14,524
54:Case 54	17,450	7,179	9,847	10,313	9,568	23,372
55:Case 55	4,522	5,510	4,792	5,303	3,961	11,040

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60	61:Case 61
56:Case 56	,000	6,616	12,129	10,162	9,759	6,855
57:Case 57	6,616	,000	7,487	3,546	10,746	7,842
58:Case 58	12,129	7,487	,000	3,896	12,139	9,063
59:Case 59	10,162	3,546	3,896	,000	8,479	6,356
60:Case 60	9,759	10,746	12,139	8,479	,000	17,184
61:Case 61	6,855	7,842	9,063	6,356	17,184	,000
62:Case 62	6,475	1,833	10,732	7,072	8,912	11,086
63:Case 63	15,574	5,303	9,909	8,804	18,582	9,770
64:Case 64	18,514	13,872	17,743	8,311	5,941	17,352
65:Case 65	13,448	6,832	15,522	6,625	10,072	9,718
66:Case 66	10,424	1,833	7,910	3,687	16,246	8,265
67:Case 67	4,316	5,303	4,953	5,510	12,953	5,802
68:Case 68	15,739	10,804	12,992	9,317	26,069	13,840
69:Case 69	6,475	1,833	10,732	7,072	8,912	11,086
70:Case 70	6,475	1,833	3,961	3,687	12,297	4,316
71:Case 71	14,335	4,064	12,962	10,950	13,958	17,779
72:Case 72	13,969	9,328	13,026	9,489	21,484	3,470
73:Case 73	6,616	,000	7,487	3,546	10,746	7,842
74:Case 74	14,501	9,565	14,231	8,078	24,830	10,123
75:Case 75	6,475	1,833	10,732	7,072	8,912	11,086
76:Case 76	6,616	,000	7,487	3,546	10,746	7,842
77:Case 77	19,775	9,210	10,123	5,619	19,785	14,231
78:Case 78	4,953	5,941	4,316	2,394	6,085	3,961

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	62:Case 62	63:Case 63	64:Case 64	65:Case 65	66:Case 66	67:Case 67
1:Case 1	12,711	13,872	13,950	10,571	5,941	4,949
2:Case 2	19,147	21,139	33,663	21,767	4,480	10,555
3:Case 3	3,896	3,241	16,751	3,939	3,896	11,491
4:Case 4	8,157	6,595	23,491	9,489	,824	9,889
5:Case 5	15,035	15,379	32,846	19,629	4,316	8,090
6:Case 6	24,553	27,933	7,487	16,601	21,168	21,343
7:Case 7	15,884	28,017	8,056	11,892	15,320	17,460
8:Case 8	18,679	24,536	19,101	19,239	7,397	12,992
9:Case 9	4,533	17,161	12,461	18,154	11,867	5,616
10:Case 10	11,205	20,447	11,627	15,432	7,256	8,902
11:Case 11	8,741	6,011	20,780	10,072	1,407	11,640
12:Case 12	5,128	11,892	10,577	10,126	5,128	5,303
13:Case 13	6,453	20,583	15,197	15,118	13,786	6,031
14:Case 14	1,670	6,787	10,414	8,643	5,619	3,492
15:Case 15	18,144	22,264	15,272	22,935	15,323	7,424
16:Case 16	30,128	24,336	24,849	14,900	19,409	29,319
17:Case 17	3,115	12,448	10,126	12,983	10,449	7,492
18:Case 18	10,782	11,683	6,249	5,380	7,397	10,050
19:Case 19	16,834	31,704	17,256	21,060	12,885	8,902
20:Case 20	2,231	4,624	17,564	10,896	9,565	13,547
21:Case 21	4,316	9,096	15,538	16,244	8,265	6,475
22:Case 22	2,723	6,192	7,256	5,943	6,671	6,192
23:Case 23	8,652	22,926	13,284	22,272	15,985	8,087
24:Case 24	11,273	15,482	14,989	13,807	3,939	7,232
25:Case 25	22,050	8,502	19,150	7,018	19,228	28,997
26:Case 26	6,249	6,333	10,782	5,802	2,863	6,333
27:Case 27	7,334	7,418	19,372	8,665	,000	7,418
28:Case 28	5,611	8,173	20,127	13,872	2,226	3,218
29:Case 29	6,855	4,955	24,666	17,090	7,418	8,923
30:Case 30	28,136	24,499	20,137	23,447	21,366	25,173
31:Case 31	2,723	6,192	7,256	5,943	6,671	6,192
32:Case 32	16,411	27,897	16,833	20,919	13,026	5,094
33:Case 33	10,480	7,179	15,013	8,341	3,710	7,179
34:Case 34	35,276	31,548	43,203	34,229	13,274	25,632
35:Case 35	4,949	10,896	11,960	11,150	4,949	5,941
36:Case 36	11,856	17,233	18,867	14,390	4,522	6,649
37:Case 37	3,072	4,064	12,633	3,115	3,072	9,020
38:Case 38	5,117	11,401	9,650	6,363	5,117	5,772
39:Case 39	17,496	28,982	25,423	23,783	10,162	6,180
40:Case 40	8,078	8,734	12,612	7,350	4,130	14,363
41:Case 41	9,024	8,538	21,062	12,611	6,202	2,909
42:Case 42	7,842	5,943	25,653	16,103	4,457	9,911
43:Case 43	16,758	8,906	25,502	16,679	6,603	11,240
44:Case 44	14,957	29,828	22,884	22,937	11,009	7,026
45:Case 45	9,210	9,295	13,744	6,789	1,876	9,295
46:Case 46	11,719	10,896	18,730	14,535	4,949	5,941
47:Case 47	4,209	2,646	19,542	9,489	4,772	5,941
48:Case 48	10,804	8,904	28,614	17,090	3,470	12,872
49:Case 49	4,953	7,256	6,192	8,173	8,902	9,590
50:Case 50	25,011	25,342	12,972	12,189	14,292	18,079
51:Case 51	22,540	17,256	25,341	19,629	11,821	21,224
52:Case 52	7,018	6,766	21,535	15,280	3,633	7,440
53:Case 53	10,162	15,279	3,896	7,655	10,162	11,985
54:Case 54	5,346	10,217	15,652	15,214	12,680	14,185
55:Case 55	5,369	14,131	12,380	13,544	9,317	3,546

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	62:Case 62	63:Case 63	64:Case 64	65:Case 65	66:Case 66	67:Case 67
56:Case 56	6,475	15,574	18,514	13,448	10,424	4,316
57:Case 57	1,833	5,303	13,872	6,832	1,833	5,303
58:Case 58	10,732	9,909	17,743	15,522	7,910	4,953
59:Case 59	7,072	8,804	8,311	6,625	3,687	5,510
60:Case 60	8,912	18,582	5,941	10,072	16,246	12,953
61:Case 61	11,086	9,770	17,352	9,718	8,265	5,802
62:Case 62	,000	6,855	12,039	8,665	7,334	6,855
63:Case 63	6,855	,000	19,710	7,179	7,418	13,879
64:Case 64	12,039	19,710	,000	8,243	19,372	18,077
65:Case 65	8,665	7,179	8,243	,000	8,665	17,090
66:Case 66	7,334	7,418	19,372	8,665	,000	7,418
67:Case 67	6,855	13,879	18,077	17,090	7,418	,000
68:Case 68	19,971	23,610	31,193	22,591	5,303	9,731
69:Case 69	,000	6,855	12,039	8,665	7,334	6,855
70:Case 70	3,385	3,470	15,424	8,665	3,949	3,470
71:Case 71	2,231	4,624	17,564	10,896	9,565	13,547
72:Case 72	12,572	4,316	19,655	6,249	9,750	14,227
73:Case 73	1,833	5,303	13,872	6,832	1,833	5,303
74:Case 74	18,732	19,893	27,476	16,396	4,064	10,970
75:Case 75	,000	6,855	12,039	8,665	7,334	6,855
76:Case 76	1,833	5,303	13,872	6,832	1,833	5,303
77:Case 77	18,377	15,077	22,911	12,289	3,710	15,077
78:Case 78	7,492	12,039	8,731	9,020	8,056	3,115

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	68:Case 68	69:Case 69	70:Case 70	71:Case 71	72:Case 72	73:Case 73
1:Case 1	7,064	12,711	5,941	19,403	10,050	7,492
2:Case 2	,824	19,147	12,377	24,192	21,442	9,980
3:Case 3	16,991	3,896	3,896	4,480	6,435	2,063
4:Case 4	7,774	8,157	4,772	8,741	10,574	2,657
5:Case 5	4,282	15,035	8,265	18,433	17,329	7,842
6:Case 6	25,151	24,553	21,168	30,079	26,970	21,027
7:Case 7	18,730	15,884	19,269	25,871	23,500	13,769
8:Case 8	4,953	18,679	15,294	24,205	26,051	11,205
9:Case 9	18,732	4,533	7,919	10,059	22,061	6,367
10:Case 10	8,479	11,205	11,205	16,730	23,654	7,397
11:Case 11	9,525	8,741	5,356	8,157	11,158	3,241
12:Case 12	10,804	5,128	5,128	10,653	12,622	3,295
13:Case 13	19,147	6,453	9,838	15,960	19,024	8,286
14:Case 14	14,916	1,670	1,670	5,548	9,164	1,811
15:Case 15	15,463	18,144	11,374	25,317	20,439	14,900
16:Case 16	25,511	30,128	23,358	37,300	12,600	22,935
17:Case 17	20,608	3,115	6,500	5,346	20,642	4,949
18:Case 18	13,858	10,782	7,397	16,307	8,243	7,256
19:Case 19	8,479	16,834	16,834	27,988	29,283	13,026
20:Case 20	26,663	2,231	5,616	,000	14,803	4,064
21:Case 21	17,899	4,316	4,316	5,380	16,766	4,457
22:Case 22	17,616	2,723	2,723	4,953	10,217	2,863
23:Case 23	21,203	8,652	12,037	15,824	26,179	10,485
24:Case 24	5,117	11,273	7,888	15,151	18,645	5,772
25:Case 25	37,035	22,050	15,280	21,466	4,522	18,806
26:Case 26	10,141	6,249	2,863	8,479	8,665	2,723
27:Case 27	5,303	7,334	3,949	9,565	9,750	1,833
28:Case 28	7,026	5,611	2,226	7,842	12,983	2,085
29:Case 29	18,654	6,855	3,470	4,624	14,227	5,303
30:Case 30	27,288	28,136	21,366	27,553	30,431	22,918
31:Case 31	17,616	2,723	2,723	4,953	10,217	2,863
32:Case 32	8,902	16,411	13,026	27,565	23,783	12,885
33:Case 33	9,295	10,480	3,710	12,711	7,819	5,261
34:Case 34	8,286	35,276	25,121	37,987	32,493	22,442
35:Case 35	11,441	4,949	4,949	7,179	17,398	3,115
36:Case 36	4,533	11,856	8,471	16,901	19,228	6,356
37:Case 37	14,520	3,072	3,072	5,303	5,611	1,239
38:Case 38	11,273	5,117	5,117	10,162	12,611	3,284
39:Case 39	4,064	17,496	14,111	28,650	24,868	11,996
40:Case 40	13,940	8,078	8,078	7,495	15,573	4,271
41:Case 41	10,947	9,024	2,253	14,069	6,363	5,779
42:Case 42	13,718	7,842	4,457	5,611	15,214	4,316
43:Case 43	11,663	16,758	6,603	17,822	9,020	9,847
44:Case 44	6,603	14,957	14,957	26,112	27,407	11,149
45:Case 45	7,179	9,210	5,825	11,441	11,627	3,710
46:Case 46	8,056	11,719	4,949	13,950	14,013	6,500
47:Case 47	15,672	4,209	,824	4,792	6,625	2,657
48:Case 48	10,757	10,804	7,418	8,573	18,176	5,303
49:Case 49	21,014	4,953	4,953	6,017	12,448	5,094
50:Case 50	14,271	25,011	18,241	33,351	17,395	17,818
51:Case 51	17,416	22,540	15,770	20,309	24,834	15,347
52:Case 52	11,247	7,018	3,633	6,435	14,390	3,492
53:Case 53	17,485	10,162	10,162	14,040	17,657	8,329
54:Case 54	27,301	5,346	8,731	3,115	22,873	7,179
55:Case 55	14,970	5,369	5,369	10,414	17,818	5,510

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	68:Case 68	69:Case 69	70:Case 70	71:Case 71	72:Case 72	73:Case 73
56:Case 56	15,739	6,475	6,475	14,335	13,969	6,616
57:Case 57	10,804	1,833	1,833	4,064	9,328	,000
58:Case 58	12,992	10,732	3,961	12,962	13,026	7,487
59:Case 59	9,317	7,072	3,687	10,950	9,489	3,546
60:Case 60	26,069	8,912	12,297	13,958	21,484	10,746
61:Case 61	13,840	11,086	4,316	17,779	3,470	7,842
62:Case 62	19,971	,000	3,385	2,231	12,572	1,833
63:Case 63	23,610	6,855	3,470	4,624	4,316	5,303
64:Case 64	31,193	12,039	15,424	17,564	19,655	13,872
65:Case 65	22,591	8,665	8,665	10,896	6,249	6,832
66:Case 66	5,303	7,334	3,949	9,565	9,750	1,833
67:Case 67	9,731	6,855	3,470	13,547	14,227	5,303
68:Case 68	,000	19,971	13,201	26,663	22,265	10,804
69:Case 69	19,971	,000	3,385	2,231	12,572	1,833
70:Case 70	13,201	3,385	,000	5,616	5,802	1,833
71:Case 71	26,663	2,231	5,616	,000	14,803	4,064
72:Case 72	22,265	12,572	5,802	14,803	,000	9,328
73:Case 73	10,804	1,833	1,833	4,064	9,328	,000
74:Case 74	1,239	18,732	11,962	25,425	16,071	9,565
75:Case 75	19,971	,000	3,385	2,231	12,572	1,833
76:Case 76	10,804	1,833	1,833	4,064	9,328	,000
77:Case 77	5,346	18,377	11,607	20,608	15,716	9,210
78:Case 78	12,846	7,492	4,107	14,185	9,909	5,941

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß				
Fall	74:Case 74	75:Case 75	76:Case 76	77:Case 77	78:Case 78
1:Case 1	5,825	12,711	7,492	6,180	1,833
2:Case 2	2,063	19,147	9,980	4,522	13,670
3:Case 3	13,274	3,896	2,063	11,273	9,650
4:Case 4	6,535	8,157	2,657	4,533	10,527
5:Case 5	5,521	15,035	7,842	6,333	11,205
6:Case 6	23,912	24,553	21,027	15,595	10,723
7:Case 7	15,013	15,884	13,769	18,662	11,867
8:Case 8	6,192	18,679	11,205	5,380	12,354
9:Case 9	19,971	4,533	6,367	22,911	8,731
10:Case 10	9,718	11,205	7,397	8,906	8,265
11:Case 11	8,286	8,741	3,241	5,117	12,278
12:Case 12	9,565	5,128	3,295	12,505	5,941
13:Case 13	17,908	6,453	8,286	24,830	6,669
14:Case 14	13,677	1,670	1,811	14,970	4,130
15:Case 15	16,702	18,144	14,900	17,536	6,787
16:Case 16	16,839	30,128	22,935	21,426	22,523
17:Case 17	21,847	3,115	4,949	17,740	6,855
18:Case 18	10,141	10,782	7,256	9,328	4,457
19:Case 19	9,718	16,834	13,026	14,535	8,265
20:Case 20	25,425	2,231	4,064	20,608	14,185
21:Case 21	19,137	4,316	4,457	17,616	9,590
22:Case 22	16,377	2,723	2,863	12,270	3,077
23:Case 23	22,442	8,652	10,485	27,029	11,202
24:Case 24	6,356	11,273	5,772	3,896	6,595
25:Case 25	28,363	22,050	18,806	21,442	18,449
26:Case 26	8,902	6,249	2,723	4,795	3,218
27:Case 27	4,064	7,334	1,833	3,710	8,056
28:Case 28	8,265	5,611	2,085	7,910	6,333
29:Case 29	19,893	6,855	5,303	15,077	12,039
30:Case 30	28,527	28,136	22,918	14,100	17,030
31:Case 31	16,377	2,723	2,863	12,270	3,077
32:Case 32	10,141	16,411	12,885	14,957	4,457
33:Case 33	8,056	10,480	5,261	3,949	4,064
34:Case 34	9,525	35,276	22,442	9,650	28,748
35:Case 35	12,680	4,949	3,115	8,573	5,303
36:Case 36	5,772	11,856	6,356	4,480	6,011
37:Case 37	10,804	3,072	1,239	10,449	7,179
38:Case 38	10,034	5,117	3,284	8,741	2,657
39:Case 39	5,303	17,496	11,996	13,872	9,295
40:Case 40	12,701	8,078	4,271	5,779	11,247
41:Case 41	9,708	9,024	5,779	12,168	3,546
42:Case 42	14,957	7,842	4,316	10,141	13,026
43:Case 43	10,424	16,758	9,847	8,902	11,877
44:Case 44	7,842	14,957	11,149	16,411	10,141
45:Case 45	5,941	9,210	3,710	1,833	6,180
46:Case 46	9,295	11,719	6,500	5,188	5,303
47:Case 47	14,433	4,209	2,657	12,431	6,578
48:Case 48	11,996	10,804	5,303	7,179	15,987
49:Case 49	19,775	4,953	5,094	14,501	6,475
50:Case 50	10,555	25,011	17,818	8,804	8,734
51:Case 51	18,655	22,540	15,347	6,333	16,834
52:Case 52	12,486	7,018	3,492	9,317	10,555
53:Case 53	16,246	10,162	8,329	10,034	5,117
54:Case 54	28,540	5,346	7,179	19,971	13,547
55:Case 55	16,209	5,369	5,510	14,916	2,909

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß				
	74:Case 74	75:Case 75	76:Case 76	77:Case 77	78:Case 78
56:Case 56	14,501	6,475	6,616	19,775	4,953
57:Case 57	9,565	1,833	,000	9,210	5,941
58:Case 58	14,231	10,732	7,487	10,123	4,316
59:Case 59	8,078	7,072	3,546	5,619	2,394
60:Case 60	24,830	8,912	10,746	19,785	6,085
61:Case 61	10,123	11,086	7,842	14,231	3,961
62:Case 62	18,732	,000	1,833	18,377	7,492
63:Case 63	19,893	6,855	5,303	15,077	12,039
64:Case 64	27,476	12,039	13,872	22,911	8,731
65:Case 65	16,396	8,665	6,832	12,289	9,020
66:Case 66	4,064	7,334	1,833	3,710	8,056
67:Case 67	10,970	6,855	5,303	15,077	3,115
68:Case 68	1,239	19,971	10,804	5,346	12,846
69:Case 69	18,732	,000	1,833	18,377	7,492
70:Case 70	11,962	3,385	1,833	11,607	4,107
71:Case 71	25,425	2,231	4,064	20,608	14,185
72:Case 72	16,071	12,572	9,328	15,716	9,909
73:Case 73	9,565	1,833	,000	9,210	5,941
74:Case 74	,000	18,732	9,565	4,107	11,607
75:Case 75	18,732	,000	1,833	18,377	7,492
76:Case 76	9,565	1,833	,000	9,210	5,941
77:Case 77	4,107	18,377	9,210	,000	11,962
78:Case 78	11,607	7,492	5,941	11,962	,000

Dies ist eine Unähnlichkeitsmatrix

Single Linkage

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
1	73	76	,000	0	0	3
2	69	75	,000	0	0	5
3	57	73	,000	0	1	21
4	20	71	,000	0	0	52
5	62	69	,000	0	2	26
6	27	66	,000	0	0	14
7	22	31	,000	0	0	38
8	2	68	,824	0	0	22
9	26	59	,824	0	0	15
10	9	23	,824	0	0	60
11	47	70	,824	0	0	28
12	42	52	,824	0	0	18
13	3	37	,824	0	0	21
14	4	27	,824	0	6	25
15	26	33	,846	9	0	19
16	39	44	,846	0	0	40
17	46	58	,987	0	0	23
18	42	48	,987	12	0	20
19	26	45	,987	15	0	23
20	29	42	,987	0	18	24
21	3	57	1,239	13	3	30
22	2	74	1,239	8	0	33

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
23	26	46	1,239	19	17	34
24	28	29	1,407	0	20	44
25	4	11	1,407	14	0	39
26	14	62	1,670	0	5	28
27	13	56	1,670	0	0	69
28	14	47	1,670	26	11	30
29	10	24	1,670	0	0	31
30	3	14	1,811	21	28	32
31	8	10	1,811	0	29	45
32	3	12	1,811	30	0	39
33	2	5	1,811	22	0	63
34	26	77	1,833	23	0	38
35	1	78	1,833	0	0	50
36	17	35	1,833	0	0	46
37	19	32	1,833	0	0	40
38	22	26	1,833	7	34	41
39	3	4	1,833	32	25	41
40	19	39	1,876	37	16	68
41	3	22	1,876	39	38	43
42	41	61	2,063	0	0	53
43	3	18	2,063	41	0	44
44	3	28	2,063	43	24	45
45	3	8	2,063	44	31	46
46	3	17	2,085	45	36	48
47	38	55	2,226	0	0	55
48	3	49	2,231	46	0	49
49	3	36	2,231	48	0	50
50	1	3	2,231	35	49	51
51	1	54	2,231	50	0	52
52	1	20	2,231	51	4	53
53	1	41	2,253	52	42	54
54	1	40	2,253	53	0	55
55	1	38	2,253	54	47	56
56	1	63	2,646	55	0	57
57	1	21	2,646	56	0	58
58	1	53	2,723	57	0	59
59	1	67	2,909	58	0	60
60	1	9	2,909	59	10	61
61	1	65	3,115	60	0	62
62	1	72	3,470	61	0	63
63	1	2	3,492	62	33	64
64	1	6	3,546	63	0	66
65	30	51	3,687	0	0	73
66	1	60	3,710	64	0	67
67	1	64	3,896	66	0	68
68	1	19	4,064	67	40	69
69	1	13	4,271	68	27	70
70	1	25	4,522	69	0	71
71	1	50	4,926	70	0	72
72	1	43	4,953	71	0	73
73	1	30	5,094	72	65	74
74	1	15	6,367	73	0	75
75	1	7	6,603	74	0	76

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
76	1	34	7,656	75	0	77
77	1	16	9,489	76	0	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	16:Case 16		34:Case 34		7:Case 7		15:Case 15		51:Case 51		30:Case 30		43:Case 43		50:Case 50	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X		X		X	X	X	X	X	X	X	X	X	X	X	X
4	X		X		X		X	X	X	X	X	X	X	X	X	X
5	X		X		X		X		X	X	X	X	X	X	X	X
6	X		X		X		X		X	X	X		X	X	X	X
7	X		X		X		X		X	X	X		X		X	X
8	X		X		X		X		X	X	X		X		X	
9	X		X		X		X		X	X	X		X		X	
10	X		X		X		X		X	X	X		X		X	
11	X		X		X		X		X	X	X		X		X	
12	X		X		X		X		X	X	X		X		X	
13	X		X		X		X		X	X	X		X		X	
14	X		X		X		X		X		X		X		X	
15	X		X		X		X		X		X		X		X	
16	X		X		X		X		X		X		X		X	
17	X		X		X		X		X		X		X		X	
18	X		X		X		X		X		X		X		X	
19	X		X		X		X		X		X		X		X	
20	X		X		X		X		X		X		X		X	
21	X		X		X		X		X		X		X		X	
22	X		X		X		X		X		X		X		X	
23	X		X		X		X		X		X		X		X	
24	X		X		X		X		X		X		X		X	
25	X		X		X		X		X		X		X		X	
26	X		X		X		X		X		X		X		X	
27	X		X		X		X		X		X		X		X	
28	X		X		X		X		X		X		X		X	
29	X		X		X		X		X		X		X		X	
30	X		X		X		X		X		X		X		X	
31	X		X		X		X		X		X		X		X	
32	X		X		X		X		X		X		X		X	
33	X		X		X		X		X		X		X		X	
34	X		X		X		X		X		X		X		X	
35	X		X		X		X		X		X		X		X	
36	X		X		X		X		X		X		X		X	
37	X		X		X		X		X		X		X		X	
38	X		X		X		X		X		X		X		X	
39	X		X		X		X		X		X		X		X	
40	X		X		X		X		X		X		X		X	
41	X		X		X		X		X		X		X		X	
42	X		X		X		X		X		X		X		X	
43	X		X		X		X		X		X		X		X	
44	X		X		X		X		X		X		X		X	
45	X		X		X		X		X		X		X		X	
46	X		X		X		X		X		X		X		X	
47	X		X		X		X		X		X		X		X	
48	X		X		X		X		X		X		X		X	
49	X		X		X		X		X		X		X		X	
50	X		X		X		X		X		X		X		X	
51	X		X		X		X		X		X		X		X	
52	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall																			
	16:Case 16		34:Case 34		7:Case 7		15:Case 15		51:Case 51		30:Case 30		43:Case 43		50:Case 50	
53	X		X		X		X		X		X		X		X	
54	X		X		X		X		X		X		X		X	
55	X		X		X		X		X		X		X		X	
56	X		X		X		X		X		X		X		X	
57	X		X		X		X		X		X		X		X	
58	X		X		X		X		X		X		X		X	
59	X		X		X		X		X		X		X		X	
60	X		X		X		X		X		X		X		X	
61	X		X		X		X		X		X		X		X	
62	X		X		X		X		X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	
70	X		X		X		X		X		X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	25:Case 25		56:Case 56		13:Case 13		44:Case 44		39:Case 39		32:Case 32		19:Case 19		64:Case 64	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X		X	X	X		X	X	X	X	X	X	X	X	X	X
11	X		X	X	X		X	X	X	X	X	X	X		X	X
12	X		X	X	X		X	X	X	X	X	X	X		X	
13	X		X	X	X		X	X	X	X	X	X	X		X	
14	X		X	X	X		X	X	X	X	X	X	X		X	
15	X		X	X	X		X	X	X	X	X	X	X		X	
16	X		X	X	X		X	X	X	X	X	X	X		X	
17	X		X	X	X		X	X	X	X	X	X	X		X	
18	X		X	X	X		X	X	X	X	X	X	X		X	
19	X		X	X	X		X	X	X	X	X	X	X		X	
20	X		X	X	X		X	X	X	X	X	X	X		X	
21	X		X	X	X		X	X	X	X	X	X	X		X	
22	X		X	X	X		X	X	X	X	X	X	X		X	
23	X		X	X	X		X	X	X	X	X	X	X		X	
24	X		X	X	X		X	X	X	X	X	X	X		X	
25	X		X	X	X		X	X	X	X	X	X	X		X	
26	X		X	X	X		X	X	X	X	X	X	X		X	
27	X		X	X	X		X	X	X	X	X	X	X		X	
28	X		X	X	X		X	X	X	X	X	X	X		X	
29	X		X	X	X		X	X	X	X	X	X	X		X	
30	X		X	X	X		X	X	X	X	X	X	X		X	
31	X		X	X	X		X	X	X	X	X	X	X		X	
32	X		X	X	X		X	X	X	X	X	X	X		X	
33	X		X	X	X		X	X	X	X	X	X	X		X	
34	X		X	X	X		X	X	X	X	X	X	X		X	
35	X		X	X	X		X	X	X	X	X	X	X		X	
36	X		X	X	X		X	X	X	X	X	X	X		X	
37	X		X	X	X		X	X	X	X	X	X	X		X	
38	X		X	X	X		X	X	X	X	X	X	X		X	
39	X		X	X	X		X	X	X		X	X	X		X	
40	X		X	X	X		X	X	X		X	X	X		X	
41	X		X	X	X		X	X	X		X	X	X		X	
42	X		X	X	X		X	X	X		X		X		X	
43	X		X	X	X		X	X	X		X		X		X	
44	X		X	X	X		X	X	X		X		X		X	
45	X		X	X	X		X	X	X		X		X		X	
46	X		X	X	X		X	X	X		X		X		X	
47	X		X	X	X		X	X	X		X		X		X	
48	X		X	X	X		X	X	X		X		X		X	
49	X		X	X	X		X	X	X		X		X		X	
50	X		X	X	X		X	X	X		X		X		X	
51	X		X	X	X		X	X	X		X		X		X	
52	X		X		X		X	X	X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	25:Case 25		56:Case 56		13:Case 13		44:Case 44		39:Case 39		32:Case 32		19:Case 19		64:Case 64	
53	X		X		X		X	X	X		X		X		X	
54	X		X		X		X	X	X		X		X		X	
55	X		X		X		X	X	X		X		X		X	
56	X		X		X		X	X	X		X		X		X	
57	X		X		X		X	X	X		X		X		X	
58	X		X		X		X	X	X		X		X		X	
59	X		X		X		X	X	X		X		X		X	
60	X		X		X		X	X	X		X		X		X	
61	X		X		X		X	X	X		X		X		X	
62	X		X		X		X	X	X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	
70	X		X		X		X		X		X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	60:Case 60		6:Case 6		5:Case 5		74:Case 74		68:Case 68		2:Case 2		72:Case 72		65:Case 65	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X		X		X	X	X	X	X	X	X	X	X	X	X	X
16	X		X		X	X	X	X	X	X	X		X	X	X	X
17	X		X		X	X	X	X	X	X	X		X		X	X
18	X		X		X	X	X	X	X	X	X		X		X	
19	X		X		X	X	X	X	X	X	X		X		X	
20	X		X		X	X	X	X	X	X	X		X		X	
21	X		X		X	X	X	X	X	X	X		X		X	
22	X		X		X	X	X	X	X	X	X		X		X	
23	X		X		X	X	X	X	X	X	X		X		X	
24	X		X		X	X	X	X	X	X	X		X		X	
25	X		X		X	X	X	X	X	X	X		X		X	
26	X		X		X	X	X	X	X	X	X		X		X	
27	X		X		X	X	X	X	X	X	X		X		X	
28	X		X		X	X	X	X	X	X	X		X		X	
29	X		X		X	X	X	X	X	X	X		X		X	
30	X		X		X	X	X	X	X	X	X		X		X	
31	X		X		X	X	X	X	X	X	X		X		X	
32	X		X		X	X	X	X	X	X	X		X		X	
33	X		X		X	X	X	X	X	X	X		X		X	
34	X		X		X	X	X	X	X	X	X		X		X	
35	X		X		X	X	X	X	X	X	X		X		X	
36	X		X		X	X	X	X	X	X	X		X		X	
37	X		X		X	X	X	X	X	X	X		X		X	
38	X		X		X	X	X	X	X	X	X		X		X	
39	X		X		X	X	X	X	X	X	X		X		X	
40	X		X		X	X	X	X	X	X	X		X		X	
41	X		X		X	X	X	X	X	X	X		X		X	
42	X		X		X	X	X	X	X	X	X		X		X	
43	X		X		X	X	X	X	X	X	X		X		X	
44	X		X		X	X	X	X	X	X	X		X		X	
45	X		X		X	X	X	X	X	X	X		X		X	
46	X		X		X		X	X	X	X	X		X		X	
47	X		X		X		X	X	X	X	X		X		X	
48	X		X		X		X	X	X	X	X		X		X	
49	X		X		X		X	X	X	X	X		X		X	
50	X		X		X		X	X	X	X	X		X		X	
51	X		X		X		X	X	X	X	X		X		X	
52	X		X		X		X	X	X	X	X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	60:Case 60		6:Case 6		5:Case 5		74:Case 74		68:Case 68		2:Case 2		72:Case 72		65:Case 65	
53	X		X		X		X	X	X	X	X		X		X	
54	X		X		X		X	X	X	X	X		X		X	
55	X		X		X		X	X	X	X	X		X		X	
56	X		X		X		X	X	X	X	X		X		X	
57	X		X		X		X		X	X	X		X		X	
58	X		X		X		X		X	X	X		X		X	
59	X		X		X		X		X	X	X		X		X	
60	X		X		X		X		X	X	X		X		X	
61	X		X		X		X		X	X	X		X		X	
62	X		X		X		X		X	X	X		X		X	
63	X		X		X		X		X	X	X		X		X	
64	X		X		X		X		X	X	X		X		X	
65	X		X		X		X		X	X	X		X		X	
66	X		X		X		X		X	X	X		X		X	
67	X		X		X		X		X	X	X		X		X	
68	X		X		X		X		X	X	X		X		X	
69	X		X		X		X		X	X	X		X		X	
70	X		X		X		X		X	X	X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	23:Case 23		9:Case 9		67:Case 67		53:Case 53		21:Case 21		63:Case 63		55:Case 55		38:Case 38	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X		X		X	X	X	X	X	X	X	X	X	X
21	X	X	X		X		X		X	X	X	X	X	X	X	X
22	X	X	X		X		X		X		X	X	X	X	X	X
23	X	X	X		X		X		X		X		X	X	X	X
24	X	X	X		X		X		X		X		X	X	X	
25	X	X	X		X		X		X		X		X	X	X	
26	X	X	X		X		X		X		X		X	X	X	
27	X	X	X		X		X		X		X		X	X	X	
28	X	X	X		X		X		X		X		X	X	X	
29	X	X	X		X		X		X		X		X	X	X	
30	X	X	X		X		X		X		X		X	X	X	
31	X	X	X		X		X		X		X		X	X	X	
32	X	X	X		X		X		X		X		X		X	
33	X	X	X		X		X		X		X		X		X	
34	X	X	X		X		X		X		X		X		X	
35	X	X	X		X		X		X		X		X		X	
36	X	X	X		X		X		X		X		X		X	
37	X	X	X		X		X		X		X		X		X	
38	X	X	X		X		X		X		X		X		X	
39	X	X	X		X		X		X		X		X		X	
40	X	X	X		X		X		X		X		X		X	
41	X	X	X		X		X		X		X		X		X	
42	X	X	X		X		X		X		X		X		X	
43	X	X	X		X		X		X		X		X		X	
44	X	X	X		X		X		X		X		X		X	
45	X	X	X		X		X		X		X		X		X	
46	X	X	X		X		X		X		X		X		X	
47	X	X	X		X		X		X		X		X		X	
48	X	X	X		X		X		X		X		X		X	
49	X	X	X		X		X		X		X		X		X	
50	X	X	X		X		X		X		X		X		X	
51	X	X	X		X		X		X		X		X		X	
52	X	X	X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	23:Case 23		9:Case 9		67:Case 67		53:Case 53		21:Case 21		63:Case 63		55:Case 55		38:Case 38	
53	X	X	X		X		X		X		X		X		X	
54	X	X	X		X		X		X		X		X		X	
55	X	X	X		X		X		X		X		X		X	
56	X	X	X		X		X		X		X		X		X	
57	X	X	X		X		X		X		X		X		X	
58	X	X	X		X		X		X		X		X		X	
59	X	X	X		X		X		X		X		X		X	
60	X	X	X		X		X		X		X		X		X	
61	X	X	X		X		X		X		X		X		X	
62	X	X	X		X		X		X		X		X		X	
63	X	X	X		X		X		X		X		X		X	
64	X	X	X		X		X		X		X		X		X	
65	X	X	X		X		X		X		X		X		X	
66	X	X	X		X		X		X		X		X		X	
67	X	X	X		X		X		X		X		X		X	
68	X	X	X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	
70	X		X		X		X		X		X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	40:Case 40		61:Case 61		41:Case 41		71:Case 71		20:Case 20		54:Case 54		36:Case 36		49:Case 49	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X		X	X	X		X	X	X	X	X	X	X	X	X	X
27	X		X	X	X		X	X	X		X	X	X	X	X	X
28	X		X	X	X		X	X	X		X		X	X	X	X
29	X		X	X	X		X	X	X		X		X	X	X	X
30	X		X	X	X		X	X	X		X		X		X	X
31	X		X	X	X		X	X	X		X		X		X	
32	X		X	X	X		X	X	X		X		X		X	
33	X		X	X	X		X	X	X		X		X		X	
34	X		X	X	X		X	X	X		X		X		X	
35	X		X	X	X		X	X	X		X		X		X	
36	X		X	X	X		X	X	X		X		X		X	
37	X		X		X		X	X	X		X		X		X	
38	X		X		X		X	X	X		X		X		X	
39	X		X		X		X	X	X		X		X		X	
40	X		X		X		X	X	X		X		X		X	
41	X		X		X		X	X	X		X		X		X	
42	X		X		X		X	X	X		X		X		X	
43	X		X		X		X	X	X		X		X		X	
44	X		X		X		X	X	X		X		X		X	
45	X		X		X		X	X	X		X		X		X	
46	X		X		X		X	X	X		X		X		X	
47	X		X		X		X	X	X		X		X		X	
48	X		X		X		X	X	X		X		X		X	
49	X		X		X		X	X	X		X		X		X	
50	X		X		X		X	X	X		X		X		X	
51	X		X		X		X	X	X		X		X		X	
52	X		X		X		X	X	X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	40:Case 40		61:Case 61		41:Case 41		71:Case 71		20:Case 20		54:Case 54		36:Case 36		49:Case 49	
53	X		X		X		X	X	X		X		X		X	
54	X		X		X		X	X	X		X		X		X	
55	X		X		X		X	X	X		X		X		X	
56	X		X		X		X	X	X		X		X		X	
57	X		X		X		X	X	X		X		X		X	
58	X		X		X		X	X	X		X		X		X	
59	X		X		X		X	X	X		X		X		X	
60	X		X		X		X	X	X		X		X		X	
61	X		X		X		X	X	X		X		X		X	
62	X		X		X		X	X	X		X		X		X	
63	X		X		X		X	X	X		X		X		X	
64	X		X		X		X	X	X		X		X		X	
65	X		X		X		X	X	X		X		X		X	
66	X		X		X		X	X	X		X		X		X	
67	X		X		X		X	X	X		X		X		X	
68	X		X		X		X	X	X		X		X		X	
69	X		X		X		X	X	X		X		X		X	
70	X		X		X		X	X	X		X		X		X	
71	X		X		X		X	X	X		X		X		X	
72	X		X		X		X	X	X		X		X		X	
73	X		X		X		X	X	X		X		X		X	
74	X		X		X		X	X	X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	35:Case 35		17:Case 17		24:Case 24		10:Case 10		8:Case 8		48:Case 48		52:Case 52		42:Case 42	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X		X	X	X	X	X		X	X	X	X	X	X
35	X	X	X		X	X	X	X	X		X	X	X	X	X	X
36	X	X	X		X	X	X	X	X		X	X	X	X	X	X
37	X	X	X		X	X	X	X	X		X	X	X	X	X	X
38	X	X	X		X	X	X	X	X		X	X	X	X	X	X
39	X	X	X		X	X	X	X	X		X	X	X	X	X	X
40	X	X	X		X	X	X	X	X		X	X	X	X	X	X
41	X	X	X		X	X	X	X	X		X	X	X	X	X	X
42	X	X	X		X	X	X	X	X		X	X	X	X	X	X
43	X		X		X	X	X	X	X		X	X	X	X	X	X
44	X		X		X	X	X	X	X		X	X	X	X	X	X
45	X		X		X	X	X	X	X		X	X	X	X	X	X
46	X		X		X	X	X	X	X		X	X	X	X	X	X
47	X		X		X	X	X	X	X		X	X	X	X	X	X
48	X		X		X	X	X		X		X	X	X	X	X	X
49	X		X		X	X	X		X		X	X	X	X	X	X
50	X		X		X		X		X		X	X	X	X	X	X
51	X		X		X		X		X		X	X	X	X	X	X
52	X		X		X		X		X		X	X	X	X	X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	35:Case 35		17:Case 17		24:Case 24		10:Case 10		8:Case 8		48:Case 48		52:Case 52		42:Case 42	
53	X		X		X		X		X		X	X	X	X	X	X
54	X		X		X		X		X		X	X	X	X	X	X
55	X		X		X		X		X		X	X	X	X	X	X
56	X		X		X		X		X		X	X	X	X	X	X
57	X		X		X		X		X		X	X	X	X	X	X
58	X		X		X		X		X		X	X	X	X	X	X
59	X		X		X		X		X		X	X	X	X	X	
60	X		X		X		X		X		X	X	X	X	X	
61	X		X		X		X		X		X		X	X	X	
62	X		X		X		X		X		X		X	X	X	
63	X		X		X		X		X		X		X	X	X	
64	X		X		X		X		X		X		X	X	X	
65	X		X		X		X		X		X		X	X	X	
66	X		X		X		X		X		X		X	X	X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	
70	X		X		X		X		X		X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	29:Case 29		28:Case 28		18:Case 18		77:Case 77		58:Case 58		46:Case 46		45:Case 45		33:Case 33	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X		X		X	X	X	X	X	X	X	X	X	X
37	X	X	X		X		X	X	X	X	X	X	X	X	X	X
38	X	X	X		X		X	X	X	X	X	X	X	X	X	X
39	X	X	X		X		X	X	X	X	X	X	X	X	X	X
40	X	X	X		X		X	X	X	X	X	X	X	X	X	X
41	X	X	X		X		X	X	X	X	X	X	X	X	X	X
42	X	X	X		X		X	X	X	X	X	X	X	X	X	X
43	X	X	X		X		X	X	X	X	X	X	X	X	X	X
44	X	X	X		X		X	X	X	X	X	X	X	X	X	X
45	X	X	X		X		X		X	X	X	X	X	X	X	X
46	X	X	X		X		X		X	X	X	X	X	X	X	X
47	X	X	X		X		X		X	X	X	X	X	X	X	X
48	X	X	X		X		X		X	X	X	X	X	X	X	X
49	X	X	X		X		X		X	X	X	X	X	X	X	X
50	X	X	X		X		X		X	X	X	X	X	X	X	X
51	X	X	X		X		X		X	X	X	X	X	X	X	X
52	X	X	X		X		X		X	X	X	X	X	X	X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	29:Case 29		28:Case 28		18:Case 18		77:Case 77		58:Case 58		46:Case 46		45:Case 45		33:Case 33	
53	X	X	X		X		X		X	X	X	X	X	X	X	X
54	X	X	X		X		X		X	X	X	X	X	X	X	X
55	X		X		X		X		X	X	X	X	X	X	X	X
56	X		X		X		X		X	X	X		X	X	X	X
57	X		X		X		X		X	X	X		X	X	X	X
58	X		X		X		X		X	X	X		X	X	X	X
59	X		X		X		X		X	X	X		X	X	X	X
60	X		X		X		X		X	X	X		X		X	X
61	X		X		X		X		X	X	X		X		X	X
62	X		X		X		X		X		X		X		X	X
63	X		X		X		X		X		X		X		X	X
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	
70	X		X		X		X		X		X		X		X	
71	X		X		X		X		X		X		X		X	
72	X		X		X		X		X		X		X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	59:Case 59		26:Case 26		31:Case 31		22:Case 22		11:Case 11		66:Case 66		27:Case 27		4:Case 4	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
39	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
41	X	X	X		X	X	X		X	X	X	X	X	X	X	
42	X	X	X		X	X	X		X	X	X	X	X	X	X	
43	X	X	X		X	X	X		X	X	X	X	X	X	X	
44	X	X	X		X	X	X		X	X	X	X	X	X	X	
45	X	X	X		X	X	X		X	X	X	X	X	X	X	
46	X	X	X		X	X	X		X	X	X	X	X	X	X	
47	X	X	X		X	X	X		X	X	X	X	X	X	X	
48	X	X	X		X	X	X		X	X	X	X	X	X	X	
49	X	X	X		X	X	X		X	X	X	X	X	X	X	
50	X	X	X		X	X	X		X	X	X	X	X	X	X	
51	X	X	X		X	X	X		X	X	X	X	X	X	X	
52	X	X	X		X	X	X		X	X	X	X	X	X	X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	59:Case 59		26:Case 26		31:Case 31		22:Case 22		11:Case 11		66:Case 66		27:Case 27		4:Case 4	
53	X	X	X		X	X	X		X	X	X	X	X	X	X	
54	X	X	X		X	X	X		X		X	X	X	X	X	
55	X	X	X		X	X	X		X		X	X	X	X	X	
56	X	X	X		X	X	X		X		X	X	X	X	X	
57	X	X	X		X	X	X		X		X	X	X	X	X	
58	X	X	X		X	X	X		X		X	X	X	X	X	
59	X	X	X		X	X	X		X		X	X	X	X	X	
60	X	X	X		X	X	X		X		X	X	X	X	X	
61	X	X	X		X	X	X		X		X	X	X	X	X	
62	X	X	X		X	X	X		X		X	X	X	X	X	
63	X	X	X		X	X	X		X		X	X	X	X	X	
64	X	X	X		X	X	X		X		X	X	X	X	X	
65	X	X	X		X	X	X		X		X	X	X		X	
66	X	X	X		X	X	X		X		X	X	X		X	
67	X	X	X		X	X	X		X		X	X	X		X	
68	X	X	X		X	X	X		X		X	X	X		X	
69	X	X	X		X	X	X		X		X	X	X		X	
70	X		X		X	X	X		X		X	X	X		X	
71	X		X		X	X	X		X		X	X	X		X	
72	X		X		X		X		X		X	X	X		X	
73	X		X		X		X		X		X		X		X	
74	X		X		X		X		X		X		X		X	
75	X		X		X		X		X		X		X		X	
76	X		X		X		X		X		X		X		X	
77	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	12:Case 12		70:Case 70		47:Case 47		75:Case 75		69:Case 69		62:Case 62		14:Case 14		76:Case 76	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
47	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
48	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
49	X		X	X	X	X	X	X	X	X	X	X	X		X	X
50	X		X	X	X	X	X	X	X	X	X	X	X		X	X
51	X		X	X	X		X	X	X	X	X	X	X		X	X
52	X		X	X	X		X	X	X	X	X	X	X		X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	12:Case 12		70:Case 70		47:Case 47		75:Case 75		69:Case 69		62:Case 62		14:Case 14		76:Case 76	
53	X		X	X	X		X	X	X	X	X		X		X	X
54	X		X	X	X		X	X	X	X	X		X		X	X
55	X		X	X	X		X	X	X	X	X		X		X	X
56	X		X	X	X		X	X	X	X	X		X		X	X
57	X		X	X	X		X	X	X	X	X		X		X	X
58	X		X	X	X		X	X	X	X	X		X		X	X
59	X		X	X	X		X	X	X	X	X		X		X	X
60	X		X	X	X		X	X	X	X	X		X		X	X
61	X		X	X	X		X	X	X	X	X		X		X	X
62	X		X	X	X		X	X	X	X	X		X		X	X
63	X		X	X	X		X	X	X	X	X		X		X	X
64	X		X	X	X		X	X	X	X	X		X		X	X
65	X		X	X	X		X	X	X	X	X		X		X	X
66	X		X	X	X		X	X	X	X	X		X		X	X
67	X		X	X	X		X	X	X	X	X		X		X	X
68	X		X		X		X	X	X	X	X		X		X	X
69	X		X		X		X	X	X	X	X		X		X	X
70	X		X		X		X	X	X	X	X		X		X	X
71	X		X		X		X	X	X	X	X		X		X	X
72	X		X		X		X	X	X	X	X		X		X	X
73	X		X		X		X	X	X	X	X		X		X	X
74	X		X		X		X	X	X		X		X		X	X
75	X		X		X		X	X	X		X		X		X	X
76	X		X		X		X	X	X		X		X		X	X
77	X		X		X		X		X		X		X		X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall										
	73:Case 73		57:Case 57		37:Case 37		3:Case 3		78:Case 78		1:Case 1
1	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X		X	X	X
30	X	X	X	X	X	X	X		X	X	X
31	X	X	X	X	X	X	X		X	X	X
32	X	X	X	X	X	X	X		X	X	X
33	X	X	X	X	X	X	X		X	X	X
34	X	X	X	X	X	X	X		X	X	X
35	X	X	X	X	X	X	X		X	X	X
36	X	X	X	X	X	X	X		X	X	X
37	X	X	X	X	X	X	X		X	X	X
38	X	X	X	X	X	X	X		X	X	X
39	X	X	X	X	X	X	X		X	X	X
40	X	X	X	X	X	X	X		X	X	X
41	X	X	X	X	X	X	X		X	X	X
42	X	X	X	X	X	X	X		X	X	X
43	X	X	X	X	X	X	X		X	X	X
44	X	X	X	X	X	X	X		X		X
45	X	X	X	X	X	X	X		X		X
46	X	X	X	X	X	X	X		X		X
47	X	X	X	X	X	X	X		X		X
48	X	X	X	X	X	X	X		X		X
49	X	X	X	X	X	X	X		X		X
50	X	X	X	X	X	X	X		X		X
51	X	X	X	X	X	X	X		X		X
52	X	X	X	X	X	X	X		X		X

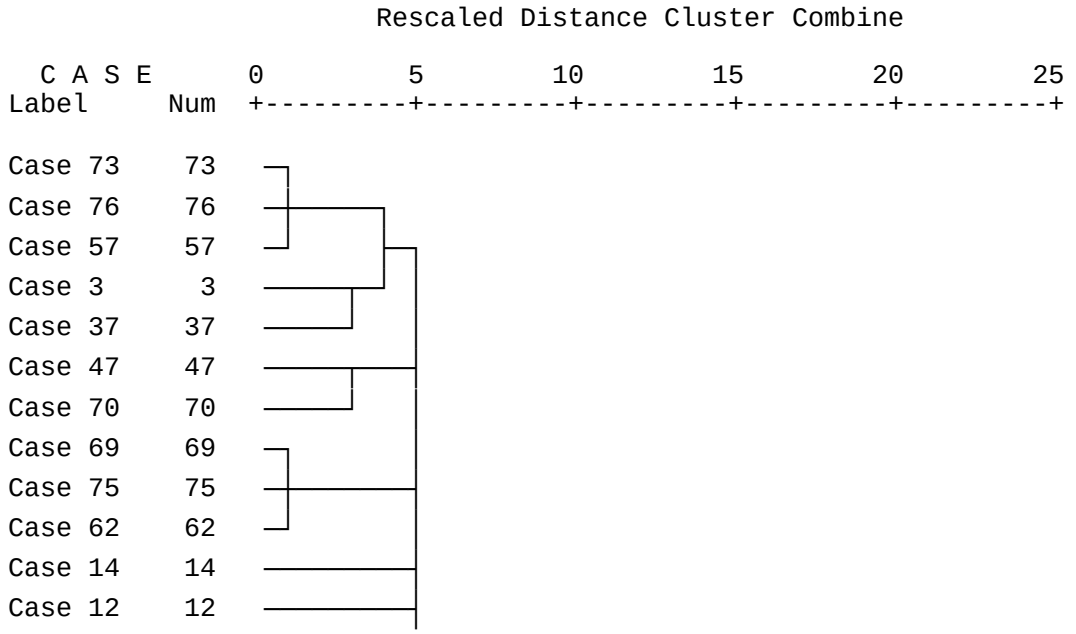
Vertikales Eiszapfendiagramm

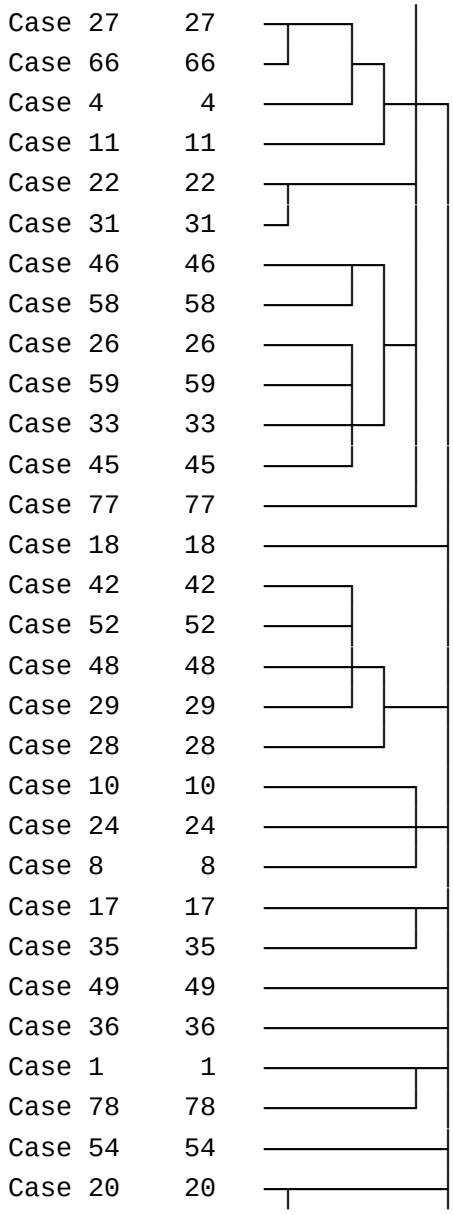
Anzahl der Cluster	Fall										
	73:Case 73		57:Case 57		37:Case 37		3:Case 3		78:Case 78		1:Case 1
53	X	X	X	X	X	X	X		X		X
54	X	X	X	X	X	X	X		X		X
55	X	X	X	X	X	X	X		X		X
56	X	X	X	X	X	X	X		X		X
57	X	X	X	X	X	X	X		X		X
58	X	X	X		X	X	X		X		X
59	X	X	X		X	X	X		X		X
60	X	X	X		X	X	X		X		X
61	X	X	X		X	X	X		X		X
62	X	X	X		X	X	X		X		X
63	X	X	X		X	X	X		X		X
64	X	X	X		X	X	X		X		X
65	X	X	X		X	X	X		X		X
66	X	X	X		X		X		X		X
67	X	X	X		X		X		X		X
68	X	X	X		X		X		X		X
69	X	X	X		X		X		X		X
70	X	X	X		X		X		X		X
71	X	X	X		X		X		X		X
72	X	X	X		X		X		X		X
73	X	X	X		X		X		X		X
74	X	X	X		X		X		X		X
75	X	X	X		X		X		X		X
76	X		X		X		X		X		X
77	X		X		X		X		X		X

Dendrogramm

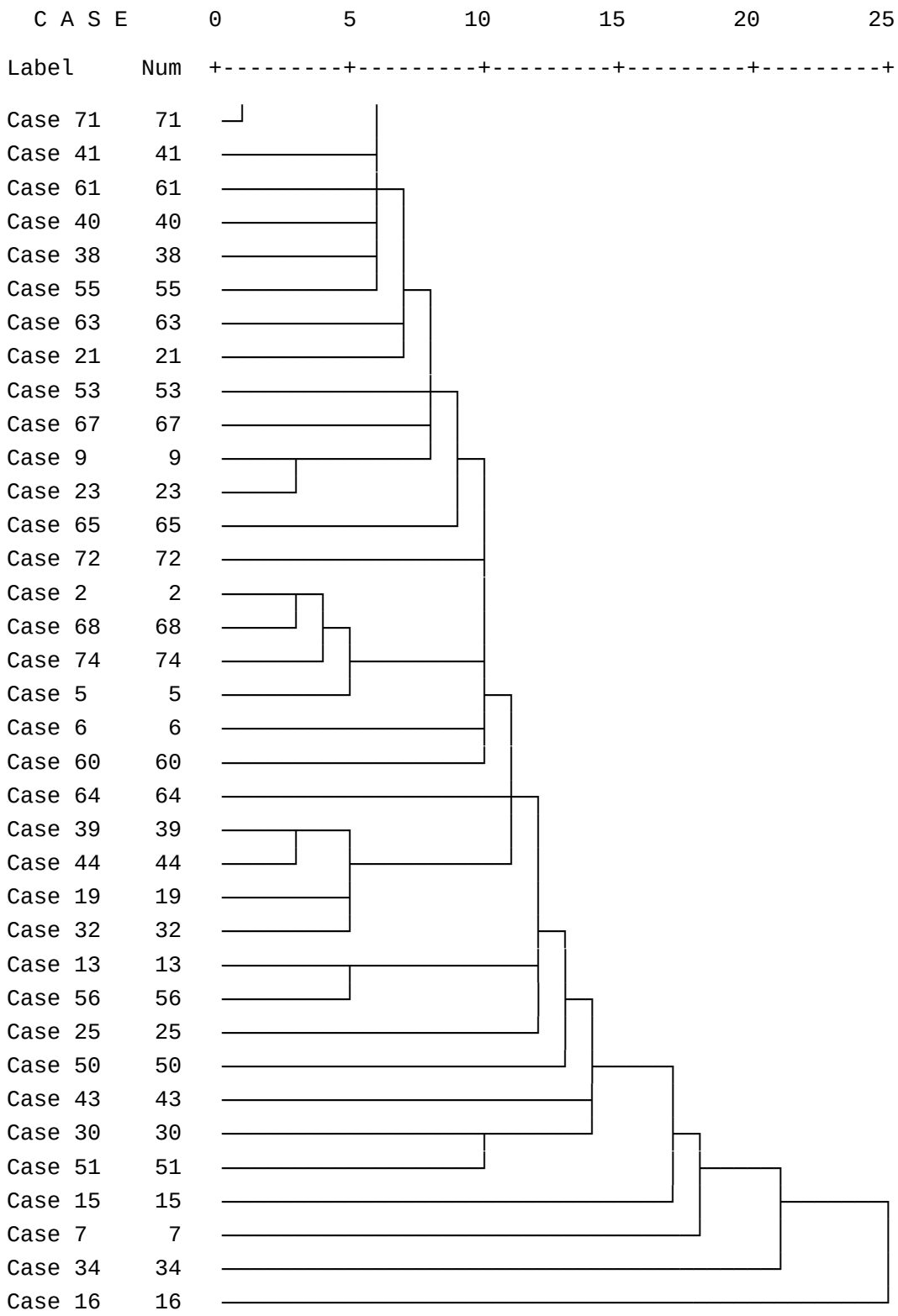
* * * * * * H I E R A R C H I C A L C L U S T E R A N A L Y S I S * * * * * *

Dendrogram using Single Linkage




Case 27 27
Case 66 66
Case 4 4
Case 11 11
Case 22 22
Case 31 31
Case 46 46
Case 58 58
Case 26 26
Case 59 59
Case 33 33
Case 45 45
Case 77 77
Case 18 18
Case 42 42
Case 52 52
Case 48 48
Case 29 29
Case 28 28
Case 10 10
Case 24 24
Case 8 8
Case 17 17
Case 35 35
Case 49 49
Case 36 36
Case 1 1
Case 78 78
Case 54 54
Case 20 20

* * * * * * H I E R A R C H I C A L C L U S T E R A N A L Y S I S * * * * * *



Cluster

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß						
Fall	1:Case 1	2:Case 2	3:Case 3	4:Case 4	5:Case 5	6:Case 6	7:Case 7
1:Case 1	,000	9,205	13,502	10,035	9,053	12,860	9,328
2:Case 2	9,205	,000	16,844	6,068	2,123	33,498	8,949
3:Case 3	13,502	16,844	,000	3,592	12,547	32,893	22,963
4:Case 4	10,035	6,068	3,592	,000	3,945	31,474	14,234
5:Case 5	9,053	2,123	12,547	3,945	,000	35,419	15,217
6:Case 6	12,860	33,498	32,893	31,474	35,419	,000	15,189
7:Case 7	9,328	8,949	22,963	14,234	15,217	15,189	,000
8:Case 8	16,601	24,584	17,362	19,252	24,331	27,726	16,219
9:Case 9	9,140	13,108	18,678	14,172	17,202	12,953	2,111
10:Case 10	11,244	9,349	6,068	2,475	9,298	27,732	10,492
11:Case 11	8,912	15,510	10,807	11,437	17,430	22,085	9,193
12:Case 12	14,084	22,956	13,494	18,346	20,630	33,038	24,493
13:Case 13	8,963	17,835	6,713	9,517	15,510	24,208	15,663
14:Case 14	14,261	22,779	11,412	13,302	18,381	20,170	18,023
15:Case 15	4,981	19,221	12,691	14,234	21,141	10,842	10,272
16:Case 16	9,140	13,108	24,435	19,929	17,202	18,709	7,868
17:Case 17	22,546	27,274	5,031	9,883	20,803	37,010	28,465
18:Case 18	14,762	20,672	12,596	12,437	18,346	27,129	15,621
19:Case 19	7,659	19,139	5,944	8,748	14,741	15,617	16,432
20:Case 20	19,710	29,765	24,616	26,505	31,584	28,762	17,255
21:Case 21	5,031	6,927	14,521	7,966	8,949	12,965	2,123
22:Case 22	21,210	41,577	15,924	23,517	37,179	30,386	40,088
23:Case 23	3,500	10,632	5,882	4,463	8,408	13,505	9,974
24:Case 24	6,927	5,031	4,628	1,036	4,981	26,293	9,053
25:Case 25	7,321	6,811	7,985	3,604	4,587	26,687	10,833
26:Case 26	15,834	17,599	9,475	7,268	11,128	34,395	22,887
27:Case 27	7,659	19,139	5,944	8,748	14,741	15,617	16,432
28:Case 28	4,981	13,296	24,372	19,991	15,217	16,598	10,104
29:Case 29	2,475	9,608	8,954	5,487	7,384	14,530	10,998
30:Case 30	8,053	12,223	9,301	6,969	9,999	16,011	9,517
31:Case 31	4,628	4,451	12,851	6,297	4,401	17,513	6,671
32:Case 32	10,393	15,808	1,036	4,628	13,584	27,711	17,781
33:Case 33	5,133	12,265	6,297	6,927	10,041	15,969	12,437
34:Case 34	8,408	7,695	23,119	16,564	11,790	29,386	9,184
35:Case 35	11,977	14,762	7,384	5,840	14,711	17,056	9,176
36:Case 36	4,463	11,263	9,140	7,847	6,865	28,756	20,211
37:Case 37	14,747	12,165	8,388	4,007	7,868	33,308	17,453
38:Case 38	11,480	10,768	22,095	17,588	14,862	30,410	10,208
39:Case 39	4,587	7,372	6,969	3,376	7,321	14,592	6,713
40:Case 40	3,957	8,127	13,398	6,969	5,902	16,011	9,517
41:Case 41	10,035	14,763	3,592	4,347	8,292	31,474	22,929
42:Case 42	15,834	8,904	9,475	2,920	6,781	34,395	14,193
43:Case 43	10,940	24,493	10,492	13,296	22,167	13,947	14,763
44:Case 44	11,639	11,128	9,424	5,043	8,904	28,126	12,272
45:Case 45	7,876	21,761	14,987	15,617	21,609	4,401	10,229
46:Case 46	21,687	28,133	11,815	13,705	21,662	26,791	24,644
47:Case 47	7,701	16,219	11,827	11,668	11,821	18,537	16,390
48:Case 48	9,999	16,799	9,361	12,165	12,401	33,074	24,529
49:Case 49	8,912	11,364	2,517	3,147	9,140	26,230	13,338
50:Case 50	5,043	13,561	14,484	10,229	9,163	17,098	14,951
51:Case 51	2,463	11,668	8,990	7,572	11,517	10,397	6,865
52:Case 52	13,681	29,841	15,428	20,280	25,443	13,108	23,284
53:Case 53	4,908	16,743	10,768	12,437	14,417	27,129	21,546
54:Case 54	15,120	21,920	4,628	9,480	17,522	30,390	21,845
55:Case 55	15,834	23,524	3,550	7,268	17,053	34,395	28,812

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß						
Fall	1:Case 1	2:Case 2	3:Case 3	4:Case 4	5:Case 5	6:Case 6	7:Case 7
56:Case 56	16,601	39,869	20,798	28,612	39,616	9,005	22,143
57:Case 57	12,497	25,554	4,858	11,412	23,329	20,454	22,847
58:Case 58	6,927	5,031	4,628	1,036	4,981	26,293	9,053
59:Case 59	5,932	11,842	13,620	11,413	9,517	26,105	14,597
60:Case 60	8,169	1,036	19,953	9,176	5,232	30,389	5,840
61:Case 61	15,120	21,920	4,628	9,480	17,522	30,390	21,845
62:Case 62	6,927	13,726	4,628	5,384	9,328	26,293	17,748
63:Case 63	22,546	27,274	5,031	9,883	20,803	37,010	28,465
64:Case 64	11,827	24,551	7,701	12,332	20,153	33,242	30,621
65:Case 65	8,912	11,364	2,517	3,147	9,140	26,230	13,338
66:Case 66	6,688	2,517	15,510	7,695	6,713	28,908	7,321
67:Case 67	15,120	21,920	4,628	9,480	17,522	30,390	21,845
68:Case 68	8,912	11,364	2,517	3,147	9,140	26,230	13,338
69:Case 69	6,823	5,260	13,302	5,487	7,384	18,877	6,650
70:Case 70	2,111	15,663	11,517	12,272	13,338	12,923	13,738

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
1:Case 1	16,601	9,140	11,244	8,912	14,084	8,963
2:Case 2	24,584	13,108	9,349	15,510	22,956	17,835
3:Case 3	17,362	18,678	6,068	10,807	13,494	6,713
4:Case 4	19,252	14,172	2,475	11,437	18,346	9,517
5:Case 5	24,331	17,202	9,298	17,430	20,630	15,510
6:Case 6	27,726	12,953	27,732	22,085	33,038	24,208
7:Case 7	16,219	2,111	10,492	9,193	24,493	15,663
8:Case 8	,000	7,712	15,510	3,592	8,274	3,542
9:Case 9	7,712	,000	10,430	4,908	15,986	9,205
10:Case 10	15,510	10,430	,000	7,695	22,433	7,847
11:Case 11	3,592	4,908	7,695	,000	8,904	2,123
12:Case 12	8,274	15,986	22,433	8,904	,000	6,781
13:Case 13	3,542	9,205	7,847	2,123	6,781	,000
14:Case 14	6,485	9,517	13,705	10,077	10,614	5,882
15:Case 15	13,448	8,036	10,492	4,845	15,798	6,969
16:Case 16	13,469	5,757	21,943	10,665	10,229	14,962
17:Case 17	12,247	19,958	9,480	12,877	17,098	6,608
18:Case 18	3,500	9,163	7,889	5,043	15,458	2,920
19:Case 19	8,990	9,974	9,151	7,572	10,157	3,376
20:Case 20	1,036	8,748	20,691	4,628	11,383	6,650
21:Case 21	11,821	2,060	6,297	6,969	18,022	9,193
22:Case 22	40,840	37,727	21,042	26,438	38,877	22,243
23:Case 23	13,150	7,737	4,866	7,509	14,317	5,487
24:Case 24	14,070	8,990	1,439	6,256	15,237	6,408
25:Case 25	9,329	8,596	4,007	6,650	13,458	4,628
26:Case 26	14,862	18,477	6,865	14,358	22,676	8,090
27:Case 27	8,990	9,974	9,151	7,572	10,157	3,376
28:Case 28	13,281	7,868	22,006	10,602	10,041	12,725
29:Case 29	18,271	10,810	5,890	10,582	19,438	8,560
30:Case 30	8,596	5,232	7,372	7,966	12,725	5,944
31:Case 31	16,368	6,608	9,578	11,517	14,741	11,668
32:Case 32	12,181	13,497	5,031	5,626	10,385	3,604
33:Case 33	11,517	8,152	10,208	7,924	6,927	5,902
34:Case 34	14,201	9,121	18,579	9,349	10,962	13,646
35:Case 35	14,777	7,065	3,364	9,011	21,701	9,163
36:Case 36	16,283	17,850	11,128	10,768	11,693	6,572
37:Case 37	15,949	15,217	3,604	13,271	23,763	9,176
38:Case 38	11,128	8,097	19,603	8,325	7,889	12,622
39:Case 39	16,410	6,650	3,779	8,596	17,577	8,748
40:Case 40	16,790	9,329	7,372	12,063	20,919	10,041
41:Case 41	14,904	18,519	6,823	11,437	13,999	5,169
42:Case 42	19,210	14,130	2,517	14,358	27,023	12,437
43:Case 43	7,321	8,304	8,748	5,902	16,317	3,779
44:Case 44	10,768	10,035	2,568	8,090	20,654	6,068
45:Case 45	13,989	5,944	13,947	10,397	17,228	10,447
46:Case 46	13,106	16,137	13,302	16,698	20,919	10,430
47:Case 47	8,949	9,932	14,950	10,492	7,321	6,297
48:Case 48	12,407	18,071	18,325	10,989	2,060	6,793
49:Case 49	7,737	9,053	3,550	4,145	8,904	2,123
50:Case 50	15,703	12,589	10,632	13,150	19,832	8,954
51:Case 51	10,041	4,628	5,902	4,401	13,281	4,451
52:Case 52	16,426	14,777	23,561	17,056	11,836	12,860
53:Case 53	17,618	19,184	13,646	9,140	12,138	7,017
54:Case 54	5,626	13,338	9,883	6,256	6,793	2,060
55:Case 55	20,787	24,402	6,865	14,358	22,676	8,090

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
56:Case 56	15,285	13,636	24,870	12,953	17,635	12,902
57:Case 57	21,926	18,562	11,815	12,410	17,169	10,388
58:Case 58	14,070	8,990	1,439	6,256	15,237	6,408
59:Case 59	6,572	10,187	12,622	6,068	7,017	3,945
60:Case 60	21,475	9,999	10,385	12,401	21,920	16,799
61:Case 61	5,626	13,338	9,883	6,256	6,793	2,060
62:Case 62	9,723	13,338	5,787	6,256	10,890	2,060
63:Case 63	12,247	19,958	9,480	12,877	17,098	6,608
64:Case 64	26,693	28,260	12,735	15,253	21,935	11,058
65:Case 65	7,737	9,053	3,550	4,145	8,904	2,123
66:Case 66	22,956	11,480	8,904	10,920	20,438	15,318
67:Case 67	5,626	13,338	9,883	6,256	6,793	2,060
68:Case 68	7,737	9,053	3,550	4,145	8,904	2,123
69:Case 69	26,966	10,810	5,890	14,929	28,133	17,255
70:Case 70	10,393	9,328	13,481	6,927	7,876	4,804

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
1:Case 1	14,261	4,981	9,140	22,546	14,762	7,659
2:Case 2	22,779	19,221	13,108	27,274	20,672	19,139
3:Case 3	11,412	12,691	24,435	5,031	12,596	5,944
4:Case 4	13,302	14,234	19,929	9,883	12,437	8,748
5:Case 5	18,381	21,141	17,202	20,803	18,346	14,741
6:Case 6	20,170	10,842	18,709	37,010	27,129	15,617
7:Case 7	18,023	10,272	7,868	28,465	15,621	16,432
8:Case 8	6,485	13,448	13,469	12,247	3,500	8,990
9:Case 9	9,517	8,036	5,757	19,958	9,163	9,974
10:Case 10	13,705	10,492	21,943	9,480	7,889	9,151
11:Case 11	10,077	4,845	10,665	12,877	5,043	7,572
12:Case 12	10,614	15,798	10,229	17,098	15,458	10,157
13:Case 13	5,882	6,969	14,962	6,608	2,920	3,376
14:Case 14	,000	15,253	15,273	6,297	5,840	2,505
15:Case 15	15,253	,000	13,792	19,770	12,851	7,737
16:Case 16	15,273	13,792	,000	31,472	20,677	15,730
17:Case 17	6,297	19,770	31,472	,000	6,650	5,840
18:Case 18	5,840	12,851	20,677	6,650	,000	6,297
19:Case 19	2,505	7,737	15,730	5,840	6,297	,000
20:Case 20	11,666	14,484	14,505	19,500	6,608	14,172
21:Case 21	9,480	8,048	7,817	17,850	9,151	7,889
22:Case 22	34,355	13,620	49,240	25,924	31,171	18,866
23:Case 23	6,665	5,626	13,494	9,999	8,408	2,111
24:Case 24	12,265	9,053	14,747	10,920	9,328	7,712
25:Case 25	7,524	12,410	14,353	9,140	4,587	5,932
26:Case 26	8,912	20,117	29,991	5,578	5,169	7,321
27:Case 27	2,505	7,737	15,730	5,840	6,297	,000
28:Case 28	15,085	11,681	2,111	31,284	18,440	13,494
29:Case 29	11,786	6,650	16,567	15,120	11,480	5,184
30:Case 30	2,111	11,094	10,989	8,408	5,902	2,568
31:Case 31	9,883	12,596	6,608	19,058	14,505	8,292
32:Case 32	10,376	7,509	19,253	6,068	9,487	4,908
33:Case 33	5,031	8,090	8,152	11,244	11,701	2,526
34:Case 34	20,686	15,108	3,364	32,205	19,361	19,095
35:Case 35	8,292	9,176	18,579	8,748	9,205	5,787
36:Case 36	14,478	11,517	17,850	16,011	12,371	7,876
37:Case 37	9,999	19,030	26,730	6,665	6,256	8,408
38:Case 38	17,614	16,133	2,340	29,132	18,337	18,071
39:Case 39	9,925	6,713	12,407	13,260	11,668	5,372
40:Case 40	10,304	11,094	15,085	16,601	9,999	6,665
41:Case 41	8,954	14,234	24,276	5,536	8,090	4,401
42:Case 42	13,260	20,117	25,644	9,925	9,517	11,668
43:Case 43	4,981	6,068	19,818	7,509	3,821	2,475
44:Case 44	8,963	13,849	21,549	7,701	3,147	7,372
45:Case 45	6,969	5,882	11,701	17,056	13,368	4,463
46:Case 46	2,475	21,874	27,651	3,821	7,509	4,981
47:Case 47	2,463	13,620	9,932	11,639	9,133	2,920
48:Case 48	10,602	15,834	12,314	15,013	15,470	8,097
49:Case 49	5,932	8,990	14,810	4,587	5,043	3,427
50:Case 50	9,218	12,181	18,346	15,514	8,912	5,578
51:Case 51	7,701	2,517	10,385	13,108	7,372	3,147
52:Case 52	5,260	14,589	14,777	16,154	18,659	4,804
53:Case 53	19,958	6,927	19,184	20,601	15,778	10,393
54:Case 54	3,821	13,150	19,095	2,475	4,981	3,364
55:Case 55	14,837	14,193	35,916	5,578	11,094	7,321

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
56:Case 56	12,410	7,524	19,393	21,607	18,785	8,990
57:Case 57	15,441	6,650	24,319	12,851	19,233	7,011
58:Case 58	12,265	9,053	14,747	10,920	9,328	7,712
59:Case 59	8,912	11,827	10,187	15,480	6,781	7,321
60:Case 60	23,815	16,112	9,999	30,382	19,635	20,175
61:Case 61	3,821	13,150	19,095	2,475	4,981	3,364
62:Case 62	7,918	9,053	19,095	6,572	4,981	3,364
63:Case 63	6,297	19,770	31,472	,000	6,650	5,840
64:Case 64	24,888	10,077	34,016	17,618	19,902	12,361
65:Case 65	5,932	8,990	14,810	4,587	5,043	3,427
66:Case 66	25,296	11,668	11,480	28,901	21,116	18,694
67:Case 67	3,821	13,150	19,095	2,475	4,981	3,364
68:Case 68	5,932	8,990	14,810	4,587	5,043	3,427
69:Case 69	20,480	10,998	16,567	23,815	20,175	13,878
70:Case 70	8,053	5,043	9,328	16,339	10,602	3,500

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
1:Case 1	19,710	5,031	21,210	3,500	6,927	7,321
2:Case 2	29,765	6,927	41,577	10,632	5,031	6,811
3:Case 3	24,616	14,521	15,924	5,882	4,628	7,985
4:Case 4	26,505	7,966	23,517	4,463	1,036	3,604
5:Case 5	31,584	8,949	37,179	8,408	4,981	4,587
6:Case 6	28,762	12,965	30,386	13,505	26,293	26,687
7:Case 7	17,255	2,123	40,088	9,974	9,053	10,833
8:Case 8	1,036	11,821	40,840	13,150	14,070	9,329
9:Case 9	8,748	2,060	37,727	7,737	8,990	8,596
10:Case 10	20,691	6,297	21,042	4,866	1,439	4,007
11:Case 11	4,628	6,969	26,438	7,509	6,256	6,650
12:Case 12	11,383	18,022	38,877	14,317	15,237	13,458
13:Case 13	6,650	9,193	22,243	5,487	6,408	4,628
14:Case 14	11,666	9,480	34,355	6,665	12,265	7,524
15:Case 15	14,484	8,048	13,620	5,626	9,053	12,410
16:Case 16	14,505	7,817	49,240	13,494	14,747	14,353
17:Case 17	19,500	17,850	25,924	9,999	10,920	9,140
18:Case 18	6,608	9,151	31,171	8,408	9,328	4,587
19:Case 19	14,172	7,889	18,866	2,111	7,712	5,932
20:Case 20	,000	14,929	46,021	18,331	19,252	14,510
21:Case 21	14,929	,000	31,545	3,604	4,858	4,463
22:Case 22	46,021	31,545	,000	16,881	22,481	29,589
23:Case 23	18,331	3,604	16,881	,000	3,427	3,821
24:Case 24	19,252	4,858	22,481	3,427	,000	2,568
25:Case 25	14,510	4,463	29,589	3,821	2,568	,000
26:Case 26	22,116	12,272	28,099	7,384	8,304	3,562
27:Case 27	14,172	7,889	18,866	2,111	7,712	5,932
28:Case 28	14,317	7,880	42,907	11,383	14,810	12,242
29:Case 29	23,452	4,628	15,856	1,024	4,451	4,845
30:Case 30	13,777	3,147	30,321	2,505	5,932	3,364
31:Case 31	21,550	2,475	34,827	4,007	5,260	4,866
32:Case 32	17,362	11,412	14,887	4,845	3,592	6,949
33:Case 33	16,698	6,068	24,271	2,463	5,890	6,285
34:Case 34	15,237	9,133	48,508	14,810	11,383	10,989
35:Case 35	19,958	4,981	21,774	3,550	4,804	7,372
36:Case 36	21,464	11,668	21,427	5,890	6,811	5,031
37:Case 37	23,203	9,011	29,186	6,297	5,043	2,475
38:Case 38	12,165	10,157	51,580	15,834	12,407	12,013
39:Case 39	21,592	2,517	20,141	1,087	2,340	4,908
40:Case 40	21,971	3,147	26,224	2,505	5,932	3,364
41:Case 41	22,158	12,314	19,170	4,463	5,384	3,604
42:Case 42	26,463	7,924	32,446	7,384	3,957	3,562
43:Case 43	10,430	8,292	18,463	4,587	10,187	8,408
44:Case 44	15,949	5,902	28,149	5,260	4,007	1,439
45:Case 45	17,098	5,932	23,329	4,401	12,508	12,902
46:Case 46	20,359	14,028	33,952	9,140	14,741	9,999
47:Case 47	14,130	7,847	33,552	5,031	10,632	5,890
48:Case 48	17,588	15,986	32,720	10,208	11,128	9,349
49:Case 49	12,918	6,969	22,293	3,364	2,111	2,505
50:Case 50	20,884	6,408	25,137	3,592	9,193	4,451
51:Case 51	13,150	2,568	17,917	1,036	4,463	4,858
52:Case 52	21,607	14,741	30,645	8,963	19,244	17,464
53:Case 53	20,726	15,076	15,058	8,408	9,328	10,511
54:Case 54	10,807	13,302	26,327	7,524	8,444	6,665
55:Case 55	28,041	18,196	10,325	7,384	8,304	9,487

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
56:Case 56	16,321	17,745	23,066	13,150	23,431	24,614
57:Case 57	27,108	16,478	8,104	6,949	10,376	16,695
58:Case 58	19,252	4,858	22,481	3,427	,000	2,568
59:Case 59	9,681	8,127	33,856	7,384	8,304	3,562
60:Case 60	24,584	5,890	42,613	11,668	6,068	7,847
61:Case 61	10,807	13,302	26,327	7,524	8,444	6,665
62:Case 62	14,904	9,205	18,134	3,427	4,347	2,568
63:Case 63	19,500	17,850	25,924	9,999	10,920	9,140
64:Case 64	31,874	22,078	5,260	10,376	11,296	15,441
65:Case 65	12,918	6,969	22,293	3,364	2,111	2,505
66:Case 66	26,065	7,372	32,245	10,187	4,587	9,328
67:Case 67	10,807	13,302	26,327	7,524	8,444	6,665
68:Case 68	12,918	6,969	22,293	3,364	2,111	2,505
69:Case 69	32,147	4,628	24,551	5,372	4,451	9,193
70:Case 70	13,502	7,268	21,148	3,562	9,163	7,384

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
1:Case 1	15,834	7,659	4,981	2,475	8,053	4,628
2:Case 2	17,599	19,139	13,296	9,608	12,223	4,451
3:Case 3	9,475	5,944	24,372	8,954	9,301	12,851
4:Case 4	7,268	8,748	19,991	5,487	6,969	6,297
5:Case 5	11,128	14,741	15,217	7,384	9,999	4,401
6:Case 6	34,395	15,617	16,598	14,530	16,011	17,513
7:Case 7	22,887	16,432	10,104	10,998	9,517	6,671
8:Case 8	14,862	8,990	13,281	18,271	8,596	16,368
9:Case 9	18,477	9,974	7,868	10,810	5,232	6,608
10:Case 10	6,865	9,151	22,006	5,890	7,372	9,578
11:Case 11	14,358	7,572	10,602	10,582	7,966	11,517
12:Case 12	22,676	10,157	10,041	19,438	12,725	14,741
13:Case 13	8,090	3,376	12,725	8,560	5,944	11,668
14:Case 14	8,912	2,505	15,085	11,786	2,111	9,883
15:Case 15	20,117	7,737	11,681	6,650	11,094	12,596
16:Case 16	29,991	15,730	2,111	16,567	10,989	6,608
17:Case 17	5,578	5,840	31,284	15,120	8,408	19,058
18:Case 18	5,169	6,297	18,440	11,480	5,902	14,505
19:Case 19	7,321	,000	13,494	5,184	2,568	8,292
20:Case 20	22,116	14,172	14,317	23,452	13,777	21,550
21:Case 21	12,272	7,889	7,880	4,628	3,147	2,475
22:Case 22	28,099	18,866	42,907	15,856	30,321	34,827
23:Case 23	7,384	2,111	11,383	1,024	2,505	4,007
24:Case 24	8,304	7,712	14,810	4,451	5,932	5,260
25:Case 25	3,562	5,932	12,242	4,845	3,364	4,866
26:Case 26	,000	7,321	25,706	8,408	6,927	13,481
27:Case 27	7,321	,000	13,494	5,184	2,568	8,292
28:Case 28	25,706	13,494	,000	12,407	10,926	6,671
29:Case 29	8,408	5,184	12,407	,000	5,578	5,031
30:Case 30	6,927	2,568	10,926	5,578	,000	3,550
31:Case 31	13,481	8,292	6,671	5,031	3,550	,000
32:Case 32	10,511	4,908	19,191	7,918	8,265	11,815
33:Case 33	12,725	2,526	8,090	5,536	2,920	3,592
34:Case 34	26,627	19,095	3,427	15,834	14,353	7,924
35:Case 35	10,229	5,787	20,690	6,623	4,007	8,262
36:Case 36	9,298	7,876	11,517	4,866	10,444	9,193
37:Case 37	1,087	8,408	24,619	7,321	5,840	10,220
38:Case 38	27,651	18,071	4,451	18,907	13,329	8,949
39:Case 39	10,644	5,372	12,470	2,111	3,592	2,920
40:Case 40	6,927	6,665	10,926	1,481	4,097	3,550
41:Case 41	2,920	4,401	19,991	5,487	6,969	10,644
42:Case 42	4,347	11,668	25,706	8,408	6,927	9,133
43:Case 43	8,990	2,475	17,581	7,659	5,043	13,646
44:Case 44	2,123	7,372	19,438	6,285	4,804	9,184
45:Case 45	18,537	4,463	11,639	7,473	4,858	8,408
46:Case 46	6,437	4,981	27,463	14,261	4,587	15,237
47:Case 47	10,157	2,920	7,695	8,104	2,526	5,372
48:Case 48	16,494	8,097	10,077	13,281	10,665	10,632
49:Case 49	6,068	3,427	14,747	6,437	3,821	7,372
50:Case 50	5,840	5,578	12,013	2,568	5,184	6,811
51:Case 51	10,492	3,147	8,274	2,060	3,542	5,043
52:Case 52	21,731	4,804	14,589	14,084	7,372	12,265
53:Case 53	16,851	10,393	12,851	7,384	15,924	14,673
54:Case 54	8,053	3,364	18,907	12,645	5,932	13,705
55:Case 55	5,925	7,321	31,631	8,408	12,851	19,405

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
56:Case 56	30,147	8,990	19,205	18,271	14,521	22,293
57:Case 57	20,257	7,011	24,256	10,021	13,330	16,881
58:Case 58	8,304	7,712	14,810	4,451	5,932	5,260
59:Case 59	9,902	7,321	5,902	8,408	6,927	7,724
60:Case 60	20,708	20,175	10,187	10,644	13,260	5,487
61:Case 61	8,053	3,364	18,907	12,645	5,932	13,705
62:Case 62	3,957	3,364	14,810	4,451	5,932	9,608
63:Case 63	5,578	5,840	31,284	15,120	8,408	19,058
64:Case 64	16,830	12,361	27,683	9,352	20,854	22,481
65:Case 65	6,068	3,427	14,747	6,437	3,821	7,372
66:Case 66	22,189	18,694	11,668	9,163	14,741	6,969
67:Case 67	8,053	3,364	18,907	12,645	5,932	13,705
68:Case 68	6,068	3,427	14,747	6,437	3,821	7,372
69:Case 69	17,103	13,878	16,755	4,347	9,925	5,031
70:Case 70	13,723	3,500	5,043	4,587	6,068	6,865

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
1:Case 1	10,393	5,133	8,408	11,977	4,463	14,747
2:Case 2	15,808	12,265	7,695	14,762	11,263	12,165
3:Case 3	1,036	6,297	23,119	7,384	9,140	8,388
4:Case 4	4,628	6,927	16,564	5,840	7,847	4,007
5:Case 5	13,584	10,041	11,790	14,711	6,865	7,868
6:Case 6	27,711	15,969	29,386	17,056	28,756	33,308
7:Case 7	17,781	12,437	9,184	9,176	20,211	17,453
8:Case 8	12,181	11,517	14,201	14,777	16,283	15,949
9:Case 9	13,497	8,152	9,121	7,065	17,850	15,217
10:Case 10	5,031	10,208	18,579	3,364	11,128	3,604
11:Case 11	5,626	7,924	9,349	9,011	10,768	13,271
12:Case 12	10,385	6,927	10,962	21,701	11,693	23,763
13:Case 13	3,604	5,902	13,646	9,163	6,572	9,176
14:Case 14	10,376	5,031	20,686	8,292	14,478	9,999
15:Case 15	7,509	8,090	15,108	9,176	11,517	19,030
16:Case 16	19,253	8,152	3,364	18,579	17,850	26,730
17:Case 17	6,068	11,244	32,205	8,748	16,011	6,665
18:Case 18	9,487	11,701	19,361	9,205	12,371	6,256
19:Case 19	4,908	2,526	19,095	5,787	7,876	8,408
20:Case 20	17,362	16,698	15,237	19,958	21,464	23,203
21:Case 21	11,412	6,068	9,133	4,981	11,668	9,011
22:Case 22	14,887	24,271	48,508	21,774	21,427	29,186
23:Case 23	4,845	2,463	14,810	3,550	5,890	6,297
24:Case 24	3,592	5,890	11,383	4,804	6,811	5,043
25:Case 25	6,949	6,285	10,989	7,372	5,031	2,475
26:Case 26	10,511	12,725	26,627	10,229	9,298	1,087
27:Case 27	4,908	2,526	19,095	5,787	7,876	8,408
28:Case 28	19,191	8,090	3,427	20,690	11,517	24,619
29:Case 29	7,918	5,536	15,834	6,623	4,866	7,321
30:Case 30	8,265	2,920	14,353	4,007	10,444	5,840
31:Case 31	11,815	3,592	7,924	8,262	9,193	10,220
32:Case 32	,000	5,260	17,937	6,347	8,104	9,424
33:Case 33	5,260	,000	11,517	6,844	7,524	11,639
34:Case 34	17,937	11,517	,000	21,943	12,437	23,366
35:Case 35	6,347	6,844	21,943	,000	16,541	6,969
36:Case 36	8,104	7,524	12,437	16,541	,000	10,385
37:Case 37	9,424	11,639	23,366	6,969	10,385	,000
38:Case 38	16,913	10,492	1,024	20,919	15,510	24,390
39:Case 39	5,932	3,550	13,723	2,463	9,151	7,384
40:Case 40	12,361	7,017	14,353	8,104	6,347	5,840
41:Case 41	4,628	6,927	20,912	10,187	3,500	4,007
42:Case 42	10,511	12,725	22,279	5,882	13,646	1,087
43:Case 43	7,384	7,880	23,182	5,384	13,230	10,077
44:Case 44	8,388	10,602	18,185	5,932	9,349	1,036
45:Case 45	11,878	4,816	19,746	5,902	17,019	17,450
46:Case 46	12,851	10,385	33,063	7,889	19,832	7,524
47:Case 47	10,791	2,568	13,296	11,585	7,918	11,244
48:Case 48	8,325	4,866	10,998	19,640	5,536	17,581
49:Case 49	1,481	3,779	13,494	4,866	6,623	4,981
50:Case 50	13,448	8,104	17,614	11,364	5,260	6,927
51:Case 51	5,882	3,500	11,701	4,587	6,927	9,406
52:Case 52	14,392	4,451	24,870	13,469	18,578	22,818
53:Case 53	7,659	10,041	13,772	19,058	2,517	17,937
54:Case 54	3,592	5,890	19,827	9,151	10,657	9,140
55:Case 55	4,587	12,725	32,551	10,229	9,298	7,011

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
56:Case 56	15,617	11,517	29,486	14,777	25,643	31,234
57:Case 57	3,821	7,364	27,683	8,451	14,887	19,170
58:Case 58	3,592	5,890	11,383	4,804	6,811	5,043
59:Case 59	10,511	6,969	6,823	15,986	3,542	10,989
60:Case 60	16,844	13,302	4,587	15,798	12,299	15,273
61:Case 61	3,592	5,890	19,827	9,151	10,657	9,140
62:Case 62	3,592	5,890	15,730	9,151	2,463	5,043
63:Case 63	6,068	11,244	32,205	8,748	16,011	6,665
64:Case 64	6,665	14,887	28,604	18,148	7,364	17,917
65:Case 65	1,481	3,779	13,494	4,866	6,623	4,981
66:Case 66	12,401	11,821	6,068	14,317	10,818	16,755
67:Case 67	3,592	5,890	19,827	9,151	10,657	9,140
68:Case 68	1,481	3,779	13,494	4,866	6,623	4,981
69:Case 69	12,265	9,883	15,834	6,623	13,561	11,668
70:Case 70	8,408	3,147	10,644	12,165	4,401	14,810

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
1:Case 1	11,480	4,587	3,957	10,035	15,834	10,940
2:Case 2	10,768	7,372	8,127	14,763	8,904	24,493
3:Case 3	22,095	6,969	13,398	3,592	9,475	10,492
4:Case 4	17,588	3,376	6,969	4,347	2,920	13,296
5:Case 5	14,862	7,321	5,902	8,292	6,781	22,167
6:Case 6	30,410	14,592	16,011	31,474	34,395	13,947
7:Case 7	10,208	6,713	9,517	22,929	14,193	14,763
8:Case 8	11,128	16,410	16,790	14,904	19,210	7,321
9:Case 9	8,097	6,650	9,329	18,519	14,130	8,304
10:Case 10	19,603	3,779	7,372	6,823	2,517	8,748
11:Case 11	8,325	8,596	12,063	11,437	14,358	5,902
12:Case 12	7,889	17,577	20,919	13,999	27,023	16,317
13:Case 13	12,622	8,748	10,041	5,169	12,437	3,779
14:Case 14	17,614	9,925	10,304	8,954	13,260	4,981
15:Case 15	16,133	6,713	11,094	14,234	20,117	6,068
16:Case 16	2,340	12,407	15,085	24,276	25,644	19,818
17:Case 17	29,132	13,260	16,601	5,536	9,925	7,509
18:Case 18	18,337	11,668	9,999	8,090	9,517	3,821
19:Case 19	18,071	5,372	6,665	4,401	11,668	2,475
20:Case 20	12,165	21,592	21,971	22,158	26,463	10,430
21:Case 21	10,157	2,517	3,147	12,314	7,924	8,292
22:Case 22	51,580	20,141	26,224	19,170	32,446	18,463
23:Case 23	15,834	1,087	2,505	4,463	7,384	4,587
24:Case 24	12,407	2,340	5,932	5,384	3,957	10,187
25:Case 25	12,013	4,908	3,364	3,604	3,562	8,408
26:Case 26	27,651	10,644	6,927	2,920	4,347	8,990
27:Case 27	18,071	5,372	6,665	4,401	11,668	2,475
28:Case 28	4,451	12,470	10,926	19,991	25,706	17,581
29:Case 29	18,907	2,111	1,481	5,487	8,408	7,659
30:Case 30	13,329	3,592	4,097	6,969	6,927	5,043
31:Case 31	8,949	2,920	3,550	10,644	9,133	13,646
32:Case 32	16,913	5,932	12,361	4,628	10,511	7,384
33:Case 33	10,492	3,550	7,017	6,927	12,725	7,880
34:Case 34	1,024	13,723	14,353	20,912	22,279	23,182
35:Case 35	20,919	2,463	8,104	10,187	5,882	5,384
36:Case 36	15,510	9,151	6,347	3,500	13,646	13,230
37:Case 37	24,390	7,384	5,840	4,007	1,087	10,077
38:Case 38	,000	14,747	17,426	21,936	23,303	22,158
39:Case 39	14,747	,000	3,592	7,724	6,297	7,847
40:Case 40	17,426	3,592	,000	6,969	6,927	9,140
41:Case 41	21,936	7,724	6,969	,000	7,268	8,949
42:Case 42	23,303	6,297	6,927	7,268	,000	13,338
43:Case 43	22,158	7,847	9,140	8,949	13,338	,000
44:Case 44	19,209	6,347	4,804	5,043	2,123	6,969
45:Case 45	18,722	5,487	8,954	15,617	18,537	4,866
46:Case 46	29,991	12,401	12,780	9,357	10,784	6,650
47:Case 47	12,272	8,292	6,623	7,321	14,505	8,274
48:Case 48	9,974	13,469	14,762	7,817	20,842	16,329
49:Case 49	12,470	4,451	7,918	3,147	6,068	5,902
50:Case 50	20,686	6,853	1,087	5,882	10,187	8,053
51:Case 51	12,725	2,123	3,542	7,572	10,492	3,550
52:Case 52	21,797	12,223	15,565	15,933	26,079	10,157
53:Case 53	16,844	11,668	11,827	8,090	21,198	13,675
54:Case 54	16,755	10,784	14,126	5,133	12,401	5,840
55:Case 55	33,575	10,644	12,851	2,920	10,272	8,990

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
56:Case 56	26,413	16,410	22,714	24,265	34,495	7,321
57:Case 57	26,659	8,036	17,427	11,412	20,257	9,487
58:Case 58	12,407	2,340	5,932	5,384	3,957	10,187
59:Case 59	7,847	10,644	6,927	7,065	14,249	10,602
60:Case 60	7,659	8,408	9,163	17,871	12,013	23,457
61:Case 61	16,755	10,784	14,126	5,133	12,401	5,840
62:Case 62	16,755	6,688	5,932	1,036	8,304	5,840
63:Case 63	29,132	13,260	16,601	5,536	9,925	7,509
64:Case 64	31,676	13,636	16,757	7,985	21,177	14,837
65:Case 65	12,470	4,451	7,918	3,147	6,068	5,902
66:Case 66	9,140	6,927	10,644	16,390	13,494	21,975
67:Case 67	16,755	10,784	14,126	5,133	12,401	5,840
68:Case 68	12,470	4,451	7,918	3,147	6,068	5,902
69:Case 69	18,907	2,111	5,829	14,182	8,408	16,354
70:Case 70	11,668	6,823	6,068	7,924	18,071	6,781

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
1:Case 1	11,639	7,876	21,687	7,701	9,999	8,912
2:Case 2	11,128	21,761	28,133	16,219	16,799	11,364
3:Case 3	9,424	14,987	11,815	11,827	9,361	2,517
4:Case 4	5,043	15,617	13,705	11,668	12,165	3,147
5:Case 5	8,904	21,609	21,662	11,821	12,401	9,140
6:Case 6	28,126	4,401	26,791	18,537	33,074	26,230
7:Case 7	12,272	10,229	24,644	16,390	24,529	13,338
8:Case 8	10,768	13,989	13,106	8,949	12,407	7,737
9:Case 9	10,035	5,944	16,137	9,932	18,071	9,053
10:Case 10	2,568	13,947	13,302	14,950	18,325	3,550
11:Case 11	8,090	10,397	16,698	10,492	10,989	4,145
12:Case 12	20,654	17,228	20,919	7,321	2,060	8,904
13:Case 13	6,068	10,447	10,430	6,297	6,793	2,123
14:Case 14	8,963	6,969	2,475	2,463	10,602	5,932
15:Case 15	13,849	5,882	21,874	13,620	15,834	8,990
16:Case 16	21,549	11,701	27,651	9,932	12,314	14,810
17:Case 17	7,701	17,056	3,821	11,639	15,013	4,587
18:Case 18	3,147	13,368	7,509	9,133	15,470	5,043
19:Case 19	7,372	4,463	4,981	2,920	8,097	3,427
20:Case 20	15,949	17,098	20,359	14,130	17,588	12,918
21:Case 21	5,902	5,932	14,028	7,847	15,986	6,969
22:Case 22	28,149	23,329	33,952	33,552	32,720	22,293
23:Case 23	5,260	4,401	9,140	5,031	10,208	3,364
24:Case 24	4,007	12,508	14,741	10,632	11,128	2,111
25:Case 25	1,439	12,902	9,999	5,890	9,349	2,505
26:Case 26	2,123	18,537	6,437	10,157	16,494	6,068
27:Case 27	7,372	4,463	4,981	2,920	8,097	3,427
28:Case 28	19,438	11,639	27,463	7,695	10,077	14,747
29:Case 29	6,285	7,473	14,261	8,104	13,281	6,437
30:Case 30	4,804	4,858	4,587	2,526	10,665	3,821
31:Case 31	9,184	8,408	15,237	5,372	10,632	7,372
32:Case 32	8,388	11,878	12,851	10,791	8,325	1,481
33:Case 33	10,602	4,816	10,385	2,568	4,866	3,779
34:Case 34	18,185	19,746	33,063	13,296	10,998	13,494
35:Case 35	5,932	5,902	7,889	11,585	19,640	4,866
36:Case 36	9,349	17,019	19,832	7,918	5,536	6,623
37:Case 37	1,036	17,450	7,524	11,244	17,581	4,981
38:Case 38	19,209	18,722	29,991	12,272	9,974	12,470
39:Case 39	6,347	5,487	12,401	8,292	13,469	4,451
40:Case 40	4,804	8,954	12,780	6,623	14,762	7,918
41:Case 41	5,043	15,617	9,357	7,321	7,817	3,147
42:Case 42	2,123	18,537	10,784	14,505	20,842	6,068
43:Case 43	6,969	4,866	6,650	8,274	16,329	5,902
44:Case 44	,000	14,341	8,560	10,208	16,545	3,945
45:Case 45	14,341	,000	11,517	7,384	17,240	10,397
46:Case 46	8,560	11,517	,000	7,817	18,835	8,408
47:Case 47	10,208	7,384	7,817	,000	5,260	6,347
48:Case 48	16,545	17,240	18,835	5,260	,000	6,844
49:Case 49	3,945	10,397	8,408	6,347	6,844	,000
50:Case 50	5,890	10,041	11,693	5,536	13,675	9,005
51:Case 51	6,297	3,364	12,249	6,068	11,244	4,401
52:Case 52	21,782	4,587	10,614	4,845	11,824	12,911
53:Case 53	14,829	17,464	27,384	13,398	8,053	9,140
54:Case 54	8,104	12,508	6,297	6,285	6,781	2,111
55:Case 55	8,048	18,537	12,361	16,082	16,494	6,068

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
56:Case 56	26,053	4,628	19,030	14,873	21,768	17,098
57:Case 57	18,134	9,301	17,917	15,856	15,108	8,265
58:Case 58	4,007	12,508	14,741	10,632	11,128	2,111
59:Case 59	7,880	14,392	16,339	4,401	4,981	6,068
60:Case 60	12,165	20,725	31,241	17,255	17,835	12,401
61:Case 61	8,104	12,508	6,297	6,285	6,781	2,111
62:Case 62	4,007	12,508	10,393	6,285	6,781	2,111
63:Case 63	7,701	17,056	3,821	11,639	15,013	4,587
64:Case 64	16,881	21,505	27,363	21,206	15,778	11,108
65:Case 65	3,945	10,397	8,408	6,347	6,844	,000
66:Case 66	13,646	19,244	32,722	18,736	16,354	10,920
67:Case 67	8,104	12,508	6,297	6,285	6,781	2,111
68:Case 68	3,945	10,397	8,408	6,347	6,844	,000
69:Case 69	10,632	11,821	22,956	16,799	21,975	10,784
70:Case 70	11,701	5,890	15,480	3,542	5,840	6,927

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	50:Case 50	51:Case 51	52:Case 52	53:Case 53	54:Case 54	55:Case 55
1:Case 1	5,043	2,463	13,681	4,908	15,120	15,834
2:Case 2	13,561	11,668	29,841	16,743	21,920	23,524
3:Case 3	14,484	8,990	15,428	10,768	4,628	3,550
4:Case 4	10,229	7,572	20,280	12,437	9,480	7,268
5:Case 5	9,163	11,517	25,443	14,417	17,522	17,053
6:Case 6	17,098	10,397	13,108	27,129	30,390	34,395
7:Case 7	14,951	6,865	23,284	21,546	21,845	28,812
8:Case 8	15,703	10,041	16,426	17,618	5,626	20,787
9:Case 9	12,589	4,628	14,777	19,184	13,338	24,402
10:Case 10	10,632	5,902	23,561	13,646	9,883	6,865
11:Case 11	13,150	4,401	17,056	9,140	6,256	14,358
12:Case 12	19,832	13,281	11,836	12,138	6,793	22,676
13:Case 13	8,954	4,451	12,860	7,017	2,060	8,090
14:Case 14	9,218	7,701	5,260	19,958	3,821	14,837
15:Case 15	12,181	2,517	14,589	6,927	13,150	14,193
16:Case 16	18,346	10,385	14,777	19,184	19,095	35,916
17:Case 17	15,514	13,108	16,154	20,601	2,475	5,578
18:Case 18	8,912	7,372	18,659	15,778	4,981	11,094
19:Case 19	5,578	3,147	4,804	10,393	3,364	7,321
20:Case 20	20,884	13,150	21,607	20,726	10,807	28,041
21:Case 21	6,408	2,568	14,741	15,076	13,302	18,196
22:Case 22	25,137	17,917	30,645	15,058	26,327	10,325
23:Case 23	3,592	1,036	8,963	8,408	7,524	7,384
24:Case 24	9,193	4,463	19,244	9,328	8,444	8,304
25:Case 25	4,451	4,858	17,464	10,511	6,665	9,487
26:Case 26	5,840	10,492	21,731	16,851	8,053	5,925
27:Case 27	5,578	3,147	4,804	10,393	3,364	7,321
28:Case 28	12,013	8,274	14,589	12,851	18,907	31,631
29:Case 29	2,568	2,060	14,084	7,384	12,645	8,408
30:Case 30	5,184	3,542	7,372	15,924	5,932	12,851
31:Case 31	6,811	5,043	12,265	14,673	13,705	19,405
32:Case 32	13,448	5,882	14,392	7,659	3,592	4,587
33:Case 33	8,104	3,500	4,451	10,041	5,890	12,725
34:Case 34	17,614	11,701	24,870	13,772	19,827	32,551
35:Case 35	11,364	4,587	13,469	19,058	9,151	10,229
36:Case 36	5,260	6,927	18,578	2,517	10,657	9,298
37:Case 37	6,927	9,406	22,818	17,937	9,140	7,011
38:Case 38	20,686	12,725	21,797	16,844	16,755	33,575
39:Case 39	6,853	2,123	12,223	11,668	10,784	10,644
40:Case 40	1,087	3,542	15,565	11,827	14,126	12,851
41:Case 41	5,882	7,572	15,933	8,090	5,133	2,920
42:Case 42	10,187	10,492	26,079	21,198	12,401	10,272
43:Case 43	8,053	3,550	10,157	13,675	5,840	8,990
44:Case 44	5,890	6,297	21,782	14,829	8,104	8,048
45:Case 45	10,041	3,364	4,587	17,464	12,508	18,537
46:Case 46	11,693	12,249	10,614	27,384	6,297	12,361
47:Case 47	5,536	6,068	4,845	13,398	6,285	16,082
48:Case 48	13,675	11,244	11,824	8,053	6,781	16,494
49:Case 49	9,005	4,401	12,911	9,140	2,111	6,068
50:Case 50	,000	4,628	14,478	10,740	13,039	11,764
51:Case 51	4,628	,000	9,999	7,372	8,560	10,492
52:Case 52	14,478	9,999	,000	21,095	10,800	21,731
53:Case 53	10,740	7,372	21,095	,000	13,174	10,926
54:Case 54	13,039	8,560	10,800	13,174	,000	8,053
55:Case 55	11,764	10,492	21,731	10,926	8,053	,000

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	50:Case 50	51:Case 51	52:Case 52	53:Case 53	54:Case 54	55:Case 55
56:Case 56	21,627	10,041	7,065	21,053	14,987	24,223
57:Case 57	18,514	7,985	11,815	11,480	10,376	8,408
58:Case 58	9,193	4,463	19,244	9,328	8,444	8,304
59:Case 59	5,840	6,347	15,975	6,949	8,053	15,826
60:Case 60	14,597	10,632	30,877	15,706	22,956	26,632
61:Case 61	13,039	8,560	10,800	13,174	,000	8,053
62:Case 62	4,845	4,463	14,896	4,981	4,097	3,957
63:Case 63	15,514	13,108	16,154	20,601	2,475	5,578
64:Case 64	15,670	11,412	25,942	3,957	15,142	4,981
65:Case 65	9,005	4,401	12,911	9,140	2,111	6,068
66:Case 66	16,078	9,151	29,396	11,263	21,475	22,189
67:Case 67	13,039	8,560	10,800	13,174	,000	8,053
68:Case 68	9,005	4,401	12,911	9,140	2,111	6,068
69:Case 69	11,263	6,408	22,779	16,078	21,339	17,103
70:Case 70	4,981	2,526	7,473	4,845	8,912	13,723

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60	61:Case 61
1:Case 1	16,601	12,497	6,927	5,932	8,169	15,120
2:Case 2	39,869	25,554	5,031	11,842	1,036	21,920
3:Case 3	20,798	4,858	4,628	13,620	19,953	4,628
4:Case 4	28,612	11,412	1,036	11,413	9,176	9,480
5:Case 5	39,616	23,329	4,981	9,517	5,232	17,522
6:Case 6	9,005	20,454	26,293	26,105	30,389	30,390
7:Case 7	22,143	22,847	9,053	14,597	5,840	21,845
8:Case 8	15,285	21,926	14,070	6,572	21,475	5,626
9:Case 9	13,636	18,562	8,990	10,187	9,999	13,338
10:Case 10	24,870	11,815	1,439	12,622	10,385	9,883
11:Case 11	12,953	12,410	6,256	6,068	12,401	6,256
12:Case 12	17,635	17,169	15,237	7,017	21,920	6,793
13:Case 13	12,902	10,388	6,408	3,945	16,799	2,060
14:Case 14	12,410	15,441	12,265	8,912	23,815	3,821
15:Case 15	7,524	6,650	9,053	11,827	16,112	13,150
16:Case 16	19,393	24,319	14,747	10,187	9,999	19,095
17:Case 17	21,607	12,851	10,920	15,480	30,382	2,475
18:Case 18	18,785	19,233	9,328	6,781	19,635	4,981
19:Case 19	8,990	7,011	7,712	7,321	20,175	3,364
20:Case 20	16,321	27,108	19,252	9,681	24,584	10,807
21:Case 21	17,745	16,478	4,858	8,127	5,890	13,302
22:Case 22	23,066	8,104	22,481	33,856	42,613	26,327
23:Case 23	13,150	6,949	3,427	7,384	11,668	7,524
24:Case 24	23,431	10,376	,000	8,304	6,068	8,444
25:Case 25	24,614	16,695	2,568	3,562	7,847	6,665
26:Case 26	30,147	20,257	8,304	9,902	20,708	8,053
27:Case 27	8,990	7,011	7,712	7,321	20,175	3,364
28:Case 28	19,205	24,256	14,810	5,902	10,187	18,907
29:Case 29	18,271	10,021	4,451	8,408	10,644	12,645
30:Case 30	14,521	13,330	5,932	6,927	13,260	5,932
31:Case 31	22,293	16,881	5,260	7,724	5,487	13,705
32:Case 32	15,617	3,821	3,592	10,511	16,844	3,592
33:Case 33	11,517	7,364	5,890	6,969	13,302	5,890
34:Case 34	29,486	27,683	11,383	6,823	4,587	19,827
35:Case 35	14,777	8,451	4,804	15,986	15,798	9,151
36:Case 36	25,643	14,887	6,811	3,542	12,299	10,657
37:Case 37	31,234	19,170	5,043	10,989	15,273	9,140
38:Case 38	26,413	26,659	12,407	7,847	7,659	16,755
39:Case 39	16,410	8,036	2,340	10,644	8,408	10,784
40:Case 40	22,714	17,427	5,932	6,927	9,163	14,126
41:Case 41	24,265	11,412	5,384	7,065	17,871	5,133
42:Case 42	34,495	20,257	3,957	14,249	12,013	12,401
43:Case 43	7,321	9,487	10,187	10,602	23,457	5,840
44:Case 44	26,053	18,134	4,007	7,880	12,165	8,104
45:Case 45	4,628	9,301	12,508	14,392	20,725	12,508
46:Case 46	19,030	17,917	14,741	16,339	31,241	6,297
47:Case 47	14,873	15,856	10,632	4,401	17,255	6,285
48:Case 48	21,768	15,108	11,128	4,981	17,835	6,781
49:Case 49	17,098	8,265	2,111	6,068	12,401	2,111
50:Case 50	21,627	18,514	9,193	5,840	14,597	13,039
51:Case 51	10,041	7,985	4,463	6,347	10,632	8,560
52:Case 52	7,065	11,815	19,244	15,975	30,877	10,800
53:Case 53	21,053	11,480	9,328	6,949	15,706	13,174
54:Case 54	14,987	10,376	8,444	8,053	22,956	,000
55:Case 55	24,223	8,408	8,304	15,826	26,632	8,053

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60	61:Case 61
56:Case 56	,000	10,077	23,431	21,857	36,760	14,987
57:Case 57	10,077	,000	10,376	20,257	26,590	10,376
58:Case 58	23,431	10,376	,000	8,304	6,068	8,444
59:Case 59	21,857	20,257	8,304	,000	10,806	8,053
60:Case 60	36,760	26,590	6,068	10,806	,000	22,956
61:Case 61	14,987	10,376	8,444	8,053	22,956	,000
62:Case 62	19,083	10,376	4,347	3,957	14,763	4,097
63:Case 63	21,607	12,851	10,920	15,480	30,382	2,475
64:Case 64	24,204	7,524	11,296	16,830	25,587	15,142
65:Case 65	17,098	8,265	2,111	6,068	12,401	2,111
66:Case 66	32,316	19,184	4,587	12,287	1,481	21,475
67:Case 67	14,987	10,376	8,444	8,053	22,956	,000
68:Case 68	17,098	8,265	2,111	6,068	12,401	2,111
69:Case 69	26,966	14,369	4,451	17,103	6,297	21,339
70:Case 70	10,393	10,511	9,163	3,821	14,627	8,912

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	62:Case 62	63:Case 63	64:Case 64	65:Case 65	66:Case 66	67:Case 67
1:Case 1	6,927	22,546	11,827	8,912	6,688	15,120
2:Case 2	13,726	27,274	24,551	11,364	2,517	21,920
3:Case 3	4,628	5,031	7,701	2,517	15,510	4,628
4:Case 4	5,384	9,883	12,332	3,147	7,695	9,480
5:Case 5	9,328	20,803	20,153	9,140	6,713	17,522
6:Case 6	26,293	37,010	33,242	26,230	28,908	30,390
7:Case 7	17,748	28,465	30,621	13,338	7,321	21,845
8:Case 8	9,723	12,247	26,693	7,737	22,956	5,626
9:Case 9	13,338	19,958	28,260	9,053	11,480	13,338
10:Case 10	5,787	9,480	12,735	3,550	8,904	9,883
11:Case 11	6,256	12,877	15,253	4,145	10,920	6,256
12:Case 12	10,890	17,098	21,935	8,904	20,438	6,793
13:Case 13	2,060	6,608	11,058	2,123	15,318	2,060
14:Case 14	7,918	6,297	24,888	5,932	25,296	3,821
15:Case 15	9,053	19,770	10,077	8,990	11,668	13,150
16:Case 16	19,095	31,472	34,016	14,810	11,480	19,095
17:Case 17	6,572	,000	17,618	4,587	28,901	2,475
18:Case 18	4,981	6,650	19,902	5,043	21,116	4,981
19:Case 19	3,364	5,840	12,361	3,427	18,694	3,364
20:Case 20	14,904	19,500	31,874	12,918	26,065	10,807
21:Case 21	9,205	17,850	22,078	6,969	7,372	13,302
22:Case 22	18,134	25,924	5,260	22,293	32,245	26,327
23:Case 23	3,427	9,999	10,376	3,364	10,187	7,524
24:Case 24	4,347	10,920	11,296	2,111	4,587	8,444
25:Case 25	2,568	9,140	15,441	2,505	9,328	6,665
26:Case 26	3,957	5,578	16,830	6,068	22,189	8,053
27:Case 27	3,364	5,840	12,361	3,427	18,694	3,364
28:Case 28	14,810	31,284	27,683	14,747	11,668	18,907
29:Case 29	4,451	15,120	9,352	6,437	9,163	12,645
30:Case 30	5,932	8,408	20,854	3,821	14,741	5,932
31:Case 31	9,608	19,058	22,481	7,372	6,969	13,705
32:Case 32	3,592	6,068	6,665	1,481	12,401	3,592
33:Case 33	5,890	11,244	14,887	3,779	11,821	5,890
34:Case 34	15,730	32,205	28,604	13,494	6,068	19,827
35:Case 35	9,151	8,748	18,148	4,866	14,317	9,151
36:Case 36	2,463	16,011	7,364	6,623	10,818	10,657
37:Case 37	5,043	6,665	17,917	4,981	16,755	9,140
38:Case 38	16,755	29,132	31,676	12,470	9,140	16,755
39:Case 39	6,688	13,260	13,636	4,451	6,927	10,784
40:Case 40	5,932	16,601	16,757	7,918	10,644	14,126
41:Case 41	1,036	5,536	7,985	3,147	16,390	5,133
42:Case 42	8,304	9,925	21,177	6,068	13,494	12,401
43:Case 43	5,840	7,509	14,837	5,902	21,975	5,840
44:Case 44	4,007	7,701	16,881	3,945	13,646	8,104
45:Case 45	12,508	17,056	21,505	10,397	19,244	12,508
46:Case 46	10,393	3,821	27,363	8,408	32,722	6,297
47:Case 47	6,285	11,639	21,206	6,347	18,736	6,285
48:Case 48	6,781	15,013	15,778	6,844	16,354	6,781
49:Case 49	2,111	4,587	11,108	,000	10,920	2,111
50:Case 50	4,845	15,514	15,670	9,005	16,078	13,039
51:Case 51	4,463	13,108	11,412	4,401	9,151	8,560
52:Case 52	14,896	16,154	25,942	12,911	29,396	10,800
53:Case 53	4,981	20,601	3,957	9,140	11,263	13,174
54:Case 54	4,097	2,475	15,142	2,111	21,475	,000
55:Case 55	3,957	5,578	4,981	6,068	22,189	8,053

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß					
Fall	62:Case 62	63:Case 63	64:Case 64	65:Case 65	66:Case 66	67:Case 67
56:Case 56	19,083	21,607	24,204	17,098	32,316	14,987
57:Case 57	10,376	12,851	7,524	8,265	19,184	10,376
58:Case 58	4,347	10,920	11,296	2,111	4,587	8,444
59:Case 59	3,957	15,480	16,830	6,068	12,287	8,053
60:Case 60	14,763	30,382	25,587	12,401	1,481	22,956
61:Case 61	4,097	2,475	15,142	2,111	21,475	,000
62:Case 62	,000	6,572	6,949	2,111	13,281	4,097
63:Case 63	6,572	,000	17,618	4,587	28,901	2,475
64:Case 64	6,949	17,618	,000	11,108	18,182	15,142
65:Case 65	2,111	4,587	11,108	,000	10,920	2,111
66:Case 66	13,281	28,901	18,182	10,920	,000	21,475
67:Case 67	4,097	2,475	15,142	2,111	21,475	,000
68:Case 68	2,111	4,587	11,108	,000	10,920	2,111
69:Case 69	13,146	23,815	18,046	10,784	4,816	21,339
70:Case 70	4,816	16,339	11,764	6,927	13,146	8,912

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß		
Fall	68:Case 68	69:Case 69	70:Case 70
1:Case 1	8,912	6,823	2,111
2:Case 2	11,364	5,260	15,663
3:Case 3	2,517	13,302	11,517
4:Case 4	3,147	5,487	12,272
5:Case 5	9,140	7,384	13,338
6:Case 6	26,230	18,877	12,923
7:Case 7	13,338	6,650	13,738
8:Case 8	7,737	26,966	10,393
9:Case 9	9,053	10,810	9,328
10:Case 10	3,550	5,890	13,481
11:Case 11	4,145	14,929	6,927
12:Case 12	8,904	28,133	7,876
13:Case 13	2,123	17,255	4,804
14:Case 14	5,932	20,480	8,053
15:Case 15	8,990	10,998	5,043
16:Case 16	14,810	16,567	9,328
17:Case 17	4,587	23,815	16,339
18:Case 18	5,043	20,175	10,602
19:Case 19	3,427	13,878	3,500
20:Case 20	12,918	32,147	13,502
21:Case 21	6,969	4,628	7,268
22:Case 22	22,293	24,551	21,148
23:Case 23	3,364	5,372	3,562
24:Case 24	2,111	4,451	9,163
25:Case 25	2,505	9,193	7,384
26:Case 26	6,068	17,103	13,723
27:Case 27	3,427	13,878	3,500
28:Case 28	14,747	16,755	5,043
29:Case 29	6,437	4,347	4,587
30:Case 30	3,821	9,925	6,068
31:Case 31	7,372	5,031	6,865
32:Case 32	1,481	12,265	8,408
33:Case 33	3,779	9,883	3,147
34:Case 34	13,494	15,834	10,644
35:Case 35	4,866	6,623	12,165
36:Case 36	6,623	13,561	4,401
37:Case 37	4,981	11,668	14,810
38:Case 38	12,470	18,907	11,668
39:Case 39	4,451	2,111	6,823
40:Case 40	7,918	5,829	6,068
41:Case 41	3,147	14,182	7,924
42:Case 42	6,068	8,408	18,071
43:Case 43	5,902	16,354	6,781
44:Case 44	3,945	10,632	11,701
45:Case 45	10,397	11,821	5,890
46:Case 46	8,408	22,956	15,480
47:Case 47	6,347	16,799	3,542
48:Case 48	6,844	21,975	5,840
49:Case 49	,000	10,784	6,927
50:Case 50	9,005	11,263	4,981
51:Case 51	4,401	6,408	2,526
52:Case 52	12,911	22,779	7,473
53:Case 53	9,140	16,078	4,845
54:Case 54	2,111	21,339	8,912
55:Case 55	6,068	17,103	13,723

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß		
	68:Case 68	69:Case 69	70:Case 70
56:Case 56	17,098	26,966	10,393
57:Case 57	8,265	14,369	10,511
58:Case 58	2,111	4,451	9,163
59:Case 59	6,068	17,103	3,821
60:Case 60	12,401	6,297	14,627
61:Case 61	2,111	21,339	8,912
62:Case 62	2,111	13,146	4,816
63:Case 63	4,587	23,815	16,339
64:Case 64	11,108	18,046	11,764
65:Case 65	,000	10,784	6,927
66:Case 66	10,920	4,816	13,146
67:Case 67	2,111	21,339	8,912
68:Case 68	,000	10,784	6,927
69:Case 69	10,784	,000	13,281
70:Case 70	6,927	13,281	,000

Dies ist eine Unähnlichkeitsmatrix

Ward-Linkage

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
1	65	68	,000	0	0	3
2	61	67	,000	0	0	5
3	49	65	,000	0	1	35
4	17	63	,000	0	0	44
5	54	61	,000	0	2	44
6	24	58	,000	0	0	16
7	19	27	,000	0	0	33
8	34	38	,512	0	0	40
9	23	29	1,024	0	0	17
10	41	62	1,542	0	0	36
11	37	44	2,060	0	0	18
12	3	32	2,579	0	0	35
13	8	20	3,097	0	0	51
14	2	60	3,615	0	0	27
15	40	50	4,158	0	0	54
16	4	24	4,849	0	6	28
17	23	51	5,711	9	0	19
18	37	42	6,608	11	0	31
19	23	39	7,595	17	0	45
20	9	21	8,625	0	0	26
21	12	48	9,655	0	0	59
22	14	30	10,711	0	0	34
23	16	28	11,766	0	0	40
24	1	70	12,822	0	0	43
25	11	13	13,883	0	0	39
26	7	9	14,951	0	20	60
27	2	66	16,111	14	0	52
28	4	10	17,277	16	0	57
29	36	53	18,536	0	0	48
30	33	47	19,820	0	0	42

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
31	25	37	21,335	0	18	32
32	25	26	22,973	31	0	57
33	19	43	24,623	7	0	49
34	14	46	26,626	22	0	49
35	3	49	28,714	12	3	53
36	41	55	30,833	10	0	53
37	6	45	33,034	0	0	50
38	5	31	35,234	0	0	52
39	11	18	37,535	25	0	51
40	16	34	40,147	23	8	61
41	22	64	42,777	0	0	56
42	33	52	45,448	30	0	55
43	1	59	48,347	24	0	48
44	17	54	51,318	4	5	58
45	23	35	54,290	19	0	46
46	23	69	57,545	45	0	54
47	15	57	60,870	0	0	56
48	1	36	64,354	43	29	59
49	14	19	68,131	34	33	55
50	6	56	71,942	37	0	62
51	8	11	75,990	13	39	64
52	2	5	80,194	27	38	61
53	3	41	84,887	35	36	58
54	23	40	90,498	46	15	60
55	14	33	96,278	49	42	62
56	15	22	103,131	47	41	65
57	4	25	110,087	28	32	63
58	3	17	118,329	53	44	65
59	1	12	127,568	48	21	64
60	7	23	138,107	26	54	63
61	2	16	154,958	52	40	68
62	6	14	172,095	50	55	67
63	4	7	190,683	57	60	68
64	1	8	211,489	59	51	66
65	3	15	238,398	58	56	66
66	1	3	269,045	64	65	67
67	1	6	305,729	66	62	69
68	2	4	343,339	61	63	69
69	1	2	414,000	67	68	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	50:Case 50		40:Case 40		69:Case 69		35:Case 35		39:Case 39		51:Case 51		29:Case 29		23:Case 23	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
18	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
19	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
20	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
21	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
22	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
23	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
24	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
25	X	X	X		X		X	X	X	X	X	X	X	X	X	
26	X	X	X		X		X		X	X	X	X	X	X	X	
27	X	X	X		X		X		X	X	X	X	X	X	X	
28	X	X	X		X		X		X	X	X	X	X	X	X	
29	X	X	X		X		X		X	X	X	X	X	X	X	
30	X	X	X		X		X		X	X	X	X	X	X	X	
31	X	X	X		X		X		X	X	X	X	X	X	X	
32	X	X	X		X		X		X	X	X	X	X	X	X	
33	X	X	X		X		X		X	X	X	X	X	X	X	
34	X	X	X		X		X		X	X	X	X	X	X	X	
35	X	X	X		X		X		X	X	X	X	X	X	X	
36	X	X	X		X		X		X	X	X	X	X	X	X	
37	X	X	X		X		X		X	X	X	X	X	X	X	
38	X	X	X		X		X		X	X	X	X	X	X	X	
39	X	X	X		X		X		X	X	X	X	X	X	X	
40	X	X	X		X		X		X	X	X	X	X	X	X	
41	X	X	X		X		X		X	X	X	X	X	X	X	
42	X	X	X		X		X		X	X	X	X	X	X	X	
43	X	X	X		X		X		X	X	X	X	X	X	X	
44	X	X	X		X		X		X	X	X	X	X	X	X	
45	X	X	X		X		X		X	X	X	X	X	X	X	
46	X	X	X		X		X		X	X	X	X	X	X	X	
47	X	X	X		X		X		X	X	X	X	X	X	X	
48	X	X	X		X		X		X	X	X	X	X	X	X	
49	X	X	X		X		X		X	X	X	X	X	X	X	
50	X	X	X		X		X		X	X	X	X	X	X	X	
51	X	X	X		X		X		X	X	X	X	X	X	X	
52	X	X	X		X		X		X		X	X	X	X	X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	50:Case 50		40:Case 40		69:Case 69		35:Case 35		39:Case 39		51:Case 51		29:Case 29		23:Case 23	
53	X	X	X		X		X		X		X	X	X	X	X	
54	X	X	X		X		X		X		X		X	X	X	
55	X	X	X		X		X		X		X		X	X	X	
56	X		X		X		X		X		X		X	X	X	
57	X		X		X		X		X		X		X	X	X	
58	X		X		X		X		X		X		X	X	X	
59	X		X		X		X		X		X		X	X	X	
60	X		X		X		X		X		X		X	X	X	
61	X		X		X		X		X		X		X	X	X	
62	X		X		X		X		X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	21:Case 21		9:Case 9		7:Case 7		26:Case 26		42:Case 42		44:Case 44		37:Case 37		25:Case 25	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
15	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
17	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
19	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
21	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
22	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
23	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
24	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
25	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
26	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
27	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
28	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
29	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
30	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
31	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
32	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
33	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
34	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
35	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
36	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
37	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
38	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
39	X	X	X	X	X		X		X	X	X	X	X	X	X	
40	X	X	X	X	X		X		X	X	X	X	X		X	
41	X	X	X	X	X		X		X	X	X	X	X		X	
42	X	X	X	X	X		X		X	X	X	X	X		X	
43	X	X	X	X	X		X		X	X	X	X	X		X	
44	X	X	X	X	X		X		X	X	X	X	X		X	
45	X	X	X		X		X		X	X	X	X	X		X	
46	X	X	X		X		X		X	X	X	X	X		X	
47	X	X	X		X		X		X	X	X	X	X		X	
48	X	X	X		X		X		X	X	X	X	X		X	
49	X	X	X		X		X		X	X	X	X	X		X	
50	X	X	X		X		X		X	X	X	X	X		X	
51	X		X		X		X		X	X	X	X	X		X	
52	X		X		X		X		X	X	X	X	X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	21:Case 21		9:Case 9		7:Case 7		26:Case 26		42:Case 42		44:Case 44		37:Case 37		25:Case 25	
53	X		X		X		X		X		X	X	X		X	
54	X		X		X		X		X		X	X	X		X	
55	X		X		X		X		X		X	X	X		X	
56	X		X		X		X		X		X	X	X		X	
57	X		X		X		X		X		X	X	X		X	
58	X		X		X		X		X		X	X	X		X	
59	X		X		X		X		X		X	X	X		X	
60	X		X		X		X		X		X		X		X	
61	X		X		X		X		X		X		X		X	
62	X		X		X		X		X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	10:Case 10		58:Case 58		24:Case 24		4:Case 4		38:Case 38		34:Case 34		28:Case 28		16:Case 16	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
11	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
13	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
15	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
17	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
19	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
21	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
22	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
23	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
24	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
25	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
26	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
27	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
28	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
29	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
30	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
31	X	X	X	X	X	X	X		X	X	X		X	X	X	
32	X	X	X	X	X	X	X		X	X	X		X	X	X	
33	X	X	X	X	X	X	X		X	X	X		X	X	X	
34	X	X	X	X	X	X	X		X	X	X		X	X	X	
35	X	X	X	X	X	X	X		X	X	X		X	X	X	
36	X	X	X	X	X	X	X		X	X	X		X	X	X	
37	X	X	X	X	X	X	X		X	X	X		X	X	X	
38	X	X	X	X	X	X	X		X	X	X		X	X	X	
39	X	X	X	X	X	X	X		X	X	X		X	X	X	
40	X	X	X	X	X	X	X		X	X	X		X	X	X	
41	X	X	X	X	X	X	X		X	X	X		X	X	X	
42	X	X	X	X	X	X	X		X	X	X		X	X	X	
43	X		X	X	X	X	X		X	X	X		X	X	X	
44	X		X	X	X	X	X		X	X	X		X	X	X	
45	X		X	X	X	X	X		X	X	X		X	X	X	
46	X		X	X	X	X	X		X	X	X		X	X	X	
47	X		X	X	X	X	X		X	X	X		X	X	X	
48	X		X	X	X	X	X		X	X	X		X		X	
49	X		X	X	X	X	X		X	X	X		X		X	
50	X		X	X	X	X	X		X	X	X		X		X	
51	X		X	X	X	X	X		X	X	X		X		X	
52	X		X	X	X	X	X		X	X	X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	10:Case 10		58:Case 58		24:Case 24		4:Case 4		38:Case 38		34:Case 34		28:Case 28		16:Case 16	
53	X		X	X	X	X	X		X	X	X		X		X	
54	X		X	X	X	X	X		X	X	X		X		X	
55	X		X	X	X		X		X	X	X		X		X	
56	X		X	X	X		X		X	X	X		X		X	
57	X		X	X	X		X		X	X	X		X		X	
58	X		X	X	X		X		X	X	X		X		X	
59	X		X	X	X		X		X	X	X		X		X	
60	X		X	X	X		X		X	X	X		X		X	
61	X		X	X	X		X		X	X	X		X		X	
62	X		X	X	X		X		X	X	X		X		X	
63	X		X	X	X		X		X		X		X		X	
64	X		X	X	X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	31:Case 31		5:Case 5		66:Case 66		60:Case 60		2:Case 2		52:Case 52		47:Case 47		33:Case 33	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
17	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
19	X	X	X		X	X	X	X	X		X	X	X	X	X	
20	X	X	X		X	X	X	X	X		X	X	X	X	X	
21	X	X	X		X	X	X	X	X		X	X	X	X	X	
22	X	X	X		X	X	X	X	X		X	X	X	X	X	
23	X	X	X		X	X	X	X	X		X	X	X	X	X	
24	X	X	X		X	X	X	X	X		X	X	X	X	X	
25	X	X	X		X	X	X	X	X		X	X	X	X	X	
26	X	X	X		X	X	X	X	X		X	X	X	X	X	
27	X	X	X		X	X	X	X	X		X	X	X	X	X	
28	X	X	X		X	X	X	X	X		X	X	X	X	X	
29	X	X	X		X	X	X	X	X		X		X	X	X	
30	X	X	X		X	X	X	X	X		X		X	X	X	
31	X	X	X		X	X	X	X	X		X		X	X	X	
32	X	X	X		X	X	X	X	X		X		X	X	X	
33	X		X		X	X	X	X	X		X		X	X	X	
34	X		X		X	X	X	X	X		X		X	X	X	
35	X		X		X	X	X	X	X		X		X	X	X	
36	X		X		X	X	X	X	X		X		X	X	X	
37	X		X		X	X	X	X	X		X		X	X	X	
38	X		X		X	X	X	X	X		X		X	X	X	
39	X		X		X	X	X	X	X		X		X	X	X	
40	X		X		X	X	X	X	X		X		X	X	X	
41	X		X		X	X	X	X	X		X		X		X	
42	X		X		X	X	X	X	X		X		X		X	
43	X		X		X	X	X	X	X		X		X		X	
44	X		X		X		X	X	X		X		X		X	
45	X		X		X		X	X	X		X		X		X	
46	X		X		X		X	X	X		X		X		X	
47	X		X		X		X	X	X		X		X		X	
48	X		X		X		X	X	X		X		X		X	
49	X		X		X		X	X	X		X		X		X	
50	X		X		X		X	X	X		X		X		X	
51	X		X		X		X	X	X		X		X		X	
52	X		X		X		X	X	X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	31:Case 31		5:Case 5		66:Case 66		60:Case 60		2:Case 2		52:Case 52		47:Case 47		33:Case 33	
53	X		X		X		X	X	X		X		X		X	
54	X		X		X		X	X	X		X		X		X	
55	X		X		X		X	X	X		X		X		X	
56	X		X		X		X	X	X		X		X		X	
57	X		X		X		X		X		X		X		X	
58	X		X		X		X		X		X		X		X	
59	X		X		X		X		X		X		X		X	
60	X		X		X		X		X		X		X		X	
61	X		X		X		X		X		X		X		X	
62	X		X		X		X		X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	43:Case 43		27:Case 27		19:Case 19		46:Case 46		30:Case 30		14:Case 14		56:Case 56		45:Case 45	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X		X		X	X
22	X	X	X	X	X		X	X	X	X	X		X		X	X
23	X	X	X	X	X		X	X	X	X	X		X		X	X
24	X	X	X	X	X		X	X	X	X	X		X		X	X
25	X	X	X	X	X		X	X	X	X	X		X		X	X
26	X	X	X	X	X		X	X	X	X	X		X		X	X
27	X	X	X	X	X		X	X	X	X	X		X		X	X
28	X	X	X	X	X		X	X	X	X	X		X		X	X
29	X	X	X	X	X		X	X	X	X	X		X		X	X
30	X	X	X	X	X		X	X	X	X	X		X		X	X
31	X	X	X	X	X		X	X	X	X	X		X		X	X
32	X	X	X	X	X		X	X	X	X	X		X		X	X
33	X	X	X	X	X		X	X	X	X	X		X		X	X
34	X	X	X	X	X		X	X	X	X	X		X		X	
35	X	X	X	X	X		X	X	X	X	X		X		X	
36	X	X	X	X	X		X	X	X	X	X		X		X	
37	X	X	X	X	X		X		X	X	X		X		X	
38	X		X	X	X		X		X	X	X		X		X	
39	X		X	X	X		X		X	X	X		X		X	
40	X		X	X	X		X		X	X	X		X		X	
41	X		X	X	X		X		X	X	X		X		X	
42	X		X	X	X		X		X	X	X		X		X	
43	X		X	X	X		X		X	X	X		X		X	
44	X		X	X	X		X		X	X	X		X		X	
45	X		X	X	X		X		X	X	X		X		X	
46	X		X	X	X		X		X	X	X		X		X	
47	X		X	X	X		X		X	X	X		X		X	
48	X		X	X	X		X		X	X	X		X		X	
49	X		X	X	X		X		X		X		X		X	
50	X		X	X	X		X		X		X		X		X	
51	X		X	X	X		X		X		X		X		X	
52	X		X	X	X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	43:Case 43		27:Case 27		19:Case 19		46:Case 46		30:Case 30		14:Case 14		56:Case 56		45:Case 45	
53	X		X	X	X		X		X		X		X		X	
54	X		X	X	X		X		X		X		X		X	
55	X		X	X	X		X		X		X		X		X	
56	X		X	X	X		X		X		X		X		X	
57	X		X	X	X		X		X		X		X		X	
58	X		X	X	X		X		X		X		X		X	
59	X		X	X	X		X		X		X		X		X	
60	X		X	X	X		X		X		X		X		X	
61	X		X	X	X		X		X		X		X		X	
62	X		X	X	X		X		X		X		X		X	
63	X		X	X	X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	6:Case 6		64:Case 64		22:Case 22		57:Case 57		15:Case 15		67:Case 67		61:Case 61		54:Case 54	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X		X	X	X	X	X	X	X		X	X	X	X	X	X
7	X		X	X	X	X	X	X	X		X	X	X	X	X	X
8	X		X	X	X	X	X	X	X		X	X	X	X	X	X
9	X		X	X	X	X	X	X	X		X	X	X	X	X	X
10	X		X	X	X	X	X	X	X		X	X	X	X	X	X
11	X		X	X	X	X	X	X	X		X	X	X	X	X	X
12	X		X	X	X	X	X	X	X		X	X	X	X	X	X
13	X		X	X	X	X	X	X	X		X	X	X	X	X	X
14	X		X	X	X	X	X	X	X		X	X	X	X	X	X
15	X		X	X	X		X	X	X		X	X	X	X	X	X
16	X		X	X	X		X	X	X		X	X	X	X	X	X
17	X		X	X	X		X	X	X		X	X	X	X	X	X
18	X		X	X	X		X	X	X		X	X	X	X	X	X
19	X		X	X	X		X	X	X		X	X	X	X	X	X
20	X		X	X	X		X	X	X		X	X	X	X	X	X
21	X		X	X	X		X	X	X		X	X	X	X	X	X
22	X		X	X	X		X	X	X		X	X	X	X	X	X
23	X		X	X	X		X	X	X		X	X	X	X	X	X
24	X		X	X	X		X		X		X	X	X	X	X	X
25	X		X	X	X		X		X		X	X	X	X	X	X
26	X		X	X	X		X		X		X	X	X	X	X	X
27	X		X	X	X		X		X		X	X	X	X	X	
28	X		X	X	X		X		X		X	X	X	X	X	
29	X		X	X	X		X		X		X	X	X	X	X	
30	X		X		X		X		X		X	X	X	X	X	
31	X		X		X		X		X		X	X	X	X	X	
32	X		X		X		X		X		X	X	X	X	X	
33	X		X		X		X		X		X	X	X	X	X	
34	X		X		X		X		X		X	X	X	X	X	
35	X		X		X		X		X		X	X	X	X	X	
36	X		X		X		X		X		X	X	X	X	X	
37	X		X		X		X		X		X	X	X	X	X	
38	X		X		X		X		X		X	X	X	X	X	
39	X		X		X		X		X		X	X	X	X	X	
40	X		X		X		X		X		X	X	X	X	X	
41	X		X		X		X		X		X	X	X	X	X	
42	X		X		X		X		X		X	X	X	X	X	
43	X		X		X		X		X		X	X	X	X	X	
44	X		X		X		X		X		X	X	X	X	X	
45	X		X		X		X		X		X	X	X	X	X	
46	X		X		X		X		X		X	X	X	X	X	
47	X		X		X		X		X		X	X	X	X	X	
48	X		X		X		X		X		X	X	X	X	X	
49	X		X		X		X		X		X	X	X	X	X	
50	X		X		X		X		X		X	X	X	X	X	
51	X		X		X		X		X		X	X	X	X	X	
52	X		X		X		X		X		X	X	X	X	X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	6:Case 6		64:Case 64		22:Case 22		57:Case 57		15:Case 15		67:Case 67		61:Case 61		54:Case 54	
53	X		X		X		X		X		X	X	X	X	X	
54	X		X		X		X		X		X	X	X	X	X	
55	X		X		X		X		X		X	X	X	X	X	
56	X		X		X		X		X		X	X	X	X	X	
57	X		X		X		X		X		X	X	X	X	X	
58	X		X		X		X		X		X	X	X	X	X	
59	X		X		X		X		X		X	X	X	X	X	
60	X		X		X		X		X		X	X	X	X	X	
61	X		X		X		X		X		X	X	X	X	X	
62	X		X		X		X		X		X	X	X	X	X	
63	X		X		X		X		X		X	X	X	X	X	
64	X		X		X		X		X		X	X	X	X	X	
65	X		X		X		X		X		X	X	X	X	X	
66	X		X		X		X		X		X	X	X		X	
67	X		X		X		X		X		X	X	X		X	
68	X		X		X		X		X		X	X	X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	63:Case 63		17:Case 17		55:Case 55		62:Case 62		41:Case 41		68:Case 68		65:Case 65		49:Case 49	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X		X	X	X	X	X		X	X	X	X	X	X
19	X	X	X		X	X	X	X	X		X	X	X	X	X	X
20	X	X	X		X	X	X	X	X		X	X	X	X	X	X
21	X	X	X		X	X	X	X	X		X	X	X	X	X	X
22	X	X	X		X	X	X	X	X		X	X	X	X	X	X
23	X	X	X		X	X	X	X	X		X	X	X	X	X	X
24	X	X	X		X	X	X	X	X		X	X	X	X	X	X
25	X	X	X		X	X	X	X	X		X	X	X	X	X	X
26	X	X	X		X	X	X	X	X		X	X	X	X	X	X
27	X	X	X		X	X	X	X	X		X	X	X	X	X	X
28	X	X	X		X	X	X	X	X		X	X	X	X	X	X
29	X	X	X		X	X	X	X	X		X	X	X	X	X	X
30	X	X	X		X	X	X	X	X		X	X	X	X	X	X
31	X	X	X		X	X	X	X	X		X	X	X	X	X	X
32	X	X	X		X	X	X	X	X		X	X	X	X	X	X
33	X	X	X		X	X	X	X	X		X	X	X	X	X	X
34	X	X	X		X	X	X	X	X		X	X	X	X	X	X
35	X	X	X		X		X	X	X		X	X	X	X	X	X
36	X	X	X		X		X	X	X		X	X	X	X	X	
37	X	X	X		X		X	X	X		X	X	X	X	X	
38	X	X	X		X		X	X	X		X	X	X	X	X	
39	X	X	X		X		X	X	X		X	X	X	X	X	
40	X	X	X		X		X	X	X		X	X	X	X	X	
41	X	X	X		X		X	X	X		X	X	X	X	X	
42	X	X	X		X		X	X	X		X	X	X	X	X	
43	X	X	X		X		X	X	X		X	X	X	X	X	
44	X	X	X		X		X	X	X		X	X	X	X	X	
45	X	X	X		X		X	X	X		X	X	X	X	X	
46	X	X	X		X		X	X	X		X	X	X	X	X	
47	X	X	X		X		X	X	X		X	X	X	X	X	
48	X	X	X		X		X	X	X		X	X	X	X	X	
49	X	X	X		X		X	X	X		X	X	X	X	X	
50	X	X	X		X		X	X	X		X	X	X	X	X	
51	X	X	X		X		X	X	X		X	X	X	X	X	
52	X	X	X		X		X	X	X		X	X	X	X	X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	63:Case 63		17:Case 17		55:Case 55		62:Case 62		41:Case 41		68:Case 68		65:Case 65		49:Case 49	
53	X	X	X		X		X	X	X		X	X	X	X	X	
54	X	X	X		X		X	X	X		X	X	X	X	X	
55	X	X	X		X		X	X	X		X	X	X	X	X	
56	X	X	X		X		X	X	X		X	X	X	X	X	
57	X	X	X		X		X	X	X		X	X	X	X	X	
58	X	X	X		X		X	X	X		X	X	X	X	X	
59	X	X	X		X		X	X	X		X	X	X	X	X	
60	X	X	X		X		X	X	X		X	X	X	X	X	
61	X	X	X		X		X		X		X	X	X	X	X	
62	X	X	X		X		X		X		X	X	X	X	X	
63	X	X	X		X		X		X		X	X	X	X	X	
64	X	X	X		X		X		X		X	X	X	X	X	
65	X	X	X		X		X		X		X	X	X	X	X	
66	X	X	X		X		X		X		X	X	X	X	X	
67	X		X		X		X		X		X	X	X	X	X	
68	X		X		X		X		X		X	X	X		X	
69	X		X		X		X		X		X	X	X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	32:Case 32		3:Case 3		18:Case 18		13:Case 13		11:Case 11		20:Case 20		8:Case 8		48:Case 48	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X		X	X	X	X	X	X	X	X	X		X	X
8	X	X	X		X	X	X	X	X	X	X	X	X		X	X
9	X	X	X		X	X	X	X	X	X	X	X	X		X	X
10	X	X	X		X	X	X	X	X	X	X	X	X		X	X
11	X	X	X		X	X	X	X	X	X	X	X	X		X	X
12	X	X	X		X	X	X	X	X	X	X	X	X		X	X
13	X	X	X		X	X	X	X	X	X	X	X	X		X	X
14	X	X	X		X	X	X	X	X	X	X	X	X		X	X
15	X	X	X		X	X	X	X	X	X	X	X	X		X	X
16	X	X	X		X	X	X	X	X	X	X	X	X		X	X
17	X	X	X		X	X	X	X	X	X	X	X	X		X	X
18	X	X	X		X	X	X	X	X	X	X	X	X		X	X
19	X	X	X		X	X	X	X	X	X	X	X	X		X	X
20	X	X	X		X	X	X	X	X		X	X	X		X	X
21	X	X	X		X	X	X	X	X		X	X	X		X	X
22	X	X	X		X	X	X	X	X		X	X	X		X	X
23	X	X	X		X	X	X	X	X		X	X	X		X	X
24	X	X	X		X	X	X	X	X		X	X	X		X	X
25	X	X	X		X	X	X	X	X		X	X	X		X	X
26	X	X	X		X	X	X	X	X		X	X	X		X	X
27	X	X	X		X	X	X	X	X		X	X	X		X	X
28	X	X	X		X	X	X	X	X		X	X	X		X	X
29	X	X	X		X	X	X	X	X		X	X	X		X	X
30	X	X	X		X	X	X	X	X		X	X	X		X	X
31	X	X	X		X	X	X	X	X		X	X	X		X	X
32	X	X	X		X		X	X	X		X	X	X		X	X
33	X	X	X		X		X	X	X		X	X	X		X	X
34	X	X	X		X		X	X	X		X	X	X		X	X
35	X	X	X		X		X	X	X		X	X	X		X	X
36	X	X	X		X		X	X	X		X	X	X		X	X
37	X	X	X		X		X	X	X		X	X	X		X	X
38	X	X	X		X		X	X	X		X	X	X		X	X
39	X	X	X		X		X	X	X		X	X	X		X	X
40	X	X	X		X		X	X	X		X	X	X		X	X
41	X	X	X		X		X	X	X		X	X	X		X	X
42	X	X	X		X		X	X	X		X	X	X		X	X
43	X	X	X		X		X	X	X		X	X	X		X	X
44	X	X	X		X		X	X	X		X	X	X		X	X
45	X	X	X		X		X	X	X		X	X	X		X	X
46	X	X	X		X		X		X		X	X	X		X	X
47	X	X	X		X		X		X		X	X	X		X	X
48	X	X	X		X		X		X		X	X	X		X	X
49	X	X	X		X		X		X		X	X	X		X	X
50	X	X	X		X		X		X		X	X	X		X	
51	X	X	X		X		X		X		X	X	X		X	
52	X	X	X		X		X		X		X	X	X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	32:Case 32		3:Case 3		18:Case 18		13:Case 13		11:Case 11		20:Case 20		8:Case 8		48:Case 48	
53	X	X	X		X		X		X		X	X	X		X	
54	X	X	X		X		X		X		X	X	X		X	
55	X	X	X		X		X		X		X	X	X		X	
56	X	X	X		X		X		X		X	X	X		X	
57	X	X	X		X		X		X		X	X	X		X	
58	X	X	X		X		X		X		X		X		X	
59	X		X		X		X		X		X		X		X	
60	X		X		X		X		X		X		X		X	
61	X		X		X		X		X		X		X		X	
62	X		X		X		X		X		X		X		X	
63	X		X		X		X		X		X		X		X	
64	X		X		X		X		X		X		X		X	
65	X		X		X		X		X		X		X		X	
66	X		X		X		X		X		X		X		X	
67	X		X		X		X		X		X		X		X	
68	X		X		X		X		X		X		X		X	
69	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall										
	12:Case 12		53:Case 53		36:Case 36		59:Case 59		70:Case 70		1:Case 1
1	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X
12	X		X	X	X	X	X	X	X	X	X
13	X		X	X	X	X	X	X	X	X	X
14	X		X	X	X	X	X	X	X	X	X
15	X		X	X	X	X	X	X	X	X	X
16	X		X	X	X	X	X	X	X	X	X
17	X		X	X	X	X	X	X	X	X	X
18	X		X	X	X	X	X	X	X	X	X
19	X		X	X	X	X	X	X	X	X	X
20	X		X	X	X	X	X	X	X	X	X
21	X		X	X	X	X	X	X	X	X	X
22	X		X	X	X	X	X	X	X	X	X
23	X		X	X	X		X	X	X	X	X
24	X		X	X	X		X	X	X	X	X
25	X		X	X	X		X	X	X	X	X
26	X		X	X	X		X	X	X	X	X
27	X		X	X	X		X	X	X	X	X
28	X		X	X	X		X		X	X	X
29	X		X	X	X		X		X	X	X
30	X		X	X	X		X		X	X	X
31	X		X	X	X		X		X	X	X
32	X		X	X	X		X		X	X	X
33	X		X	X	X		X		X	X	X
34	X		X	X	X		X		X	X	X
35	X		X	X	X		X		X	X	X
36	X		X	X	X		X		X	X	X
37	X		X	X	X		X		X	X	X
38	X		X	X	X		X		X	X	X
39	X		X	X	X		X		X	X	X
40	X		X	X	X		X		X	X	X
41	X		X	X	X		X		X	X	X
42	X		X		X		X		X	X	X
43	X		X		X		X		X	X	X
44	X		X		X		X		X	X	X
45	X		X		X		X		X	X	X
46	X		X		X		X		X	X	X
47	X		X		X		X		X		X
48	X		X		X		X		X		X
49	X		X		X		X		X		X
50	X		X		X		X		X		X
51	X		X		X		X		X		X
52	X		X		X		X		X		X

Vertikales Eiszapfendiagramm

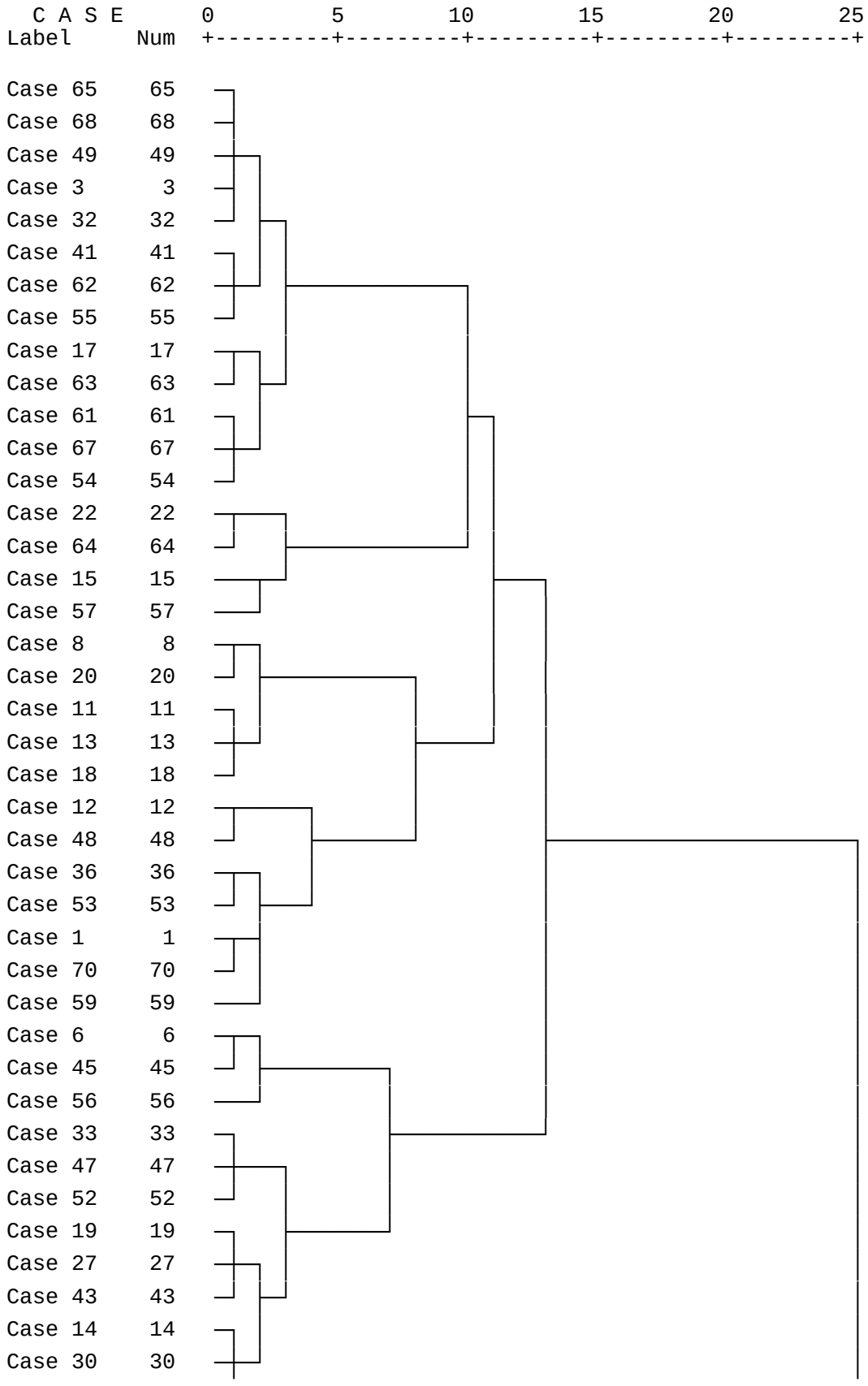
Anzahl der Cluster	Fall										
	12:Case 12		53:Case 53		36:Case 36		59:Case 59		70:Case 70		1:Case 1
53	X		X		X		X		X		X
54	X		X		X		X		X		X
55	X		X		X		X		X		X
56	X		X		X		X		X		X
57	X		X		X		X		X		X
58	X		X		X		X		X		X
59	X		X		X		X		X		X
60	X		X		X		X		X		X
61	X		X		X		X		X		X
62	X		X		X		X		X		X
63	X		X		X		X		X		X
64	X		X		X		X		X		X
65	X		X		X		X		X		X
66	X		X		X		X		X		X
67	X		X		X		X		X		X
68	X		X		X		X		X		X
69	X		X		X		X		X		X

Dendrogramm

* * * * * * H I E R A R C H I C A L C L U S T E R A N A L Y S I S * * * * * *

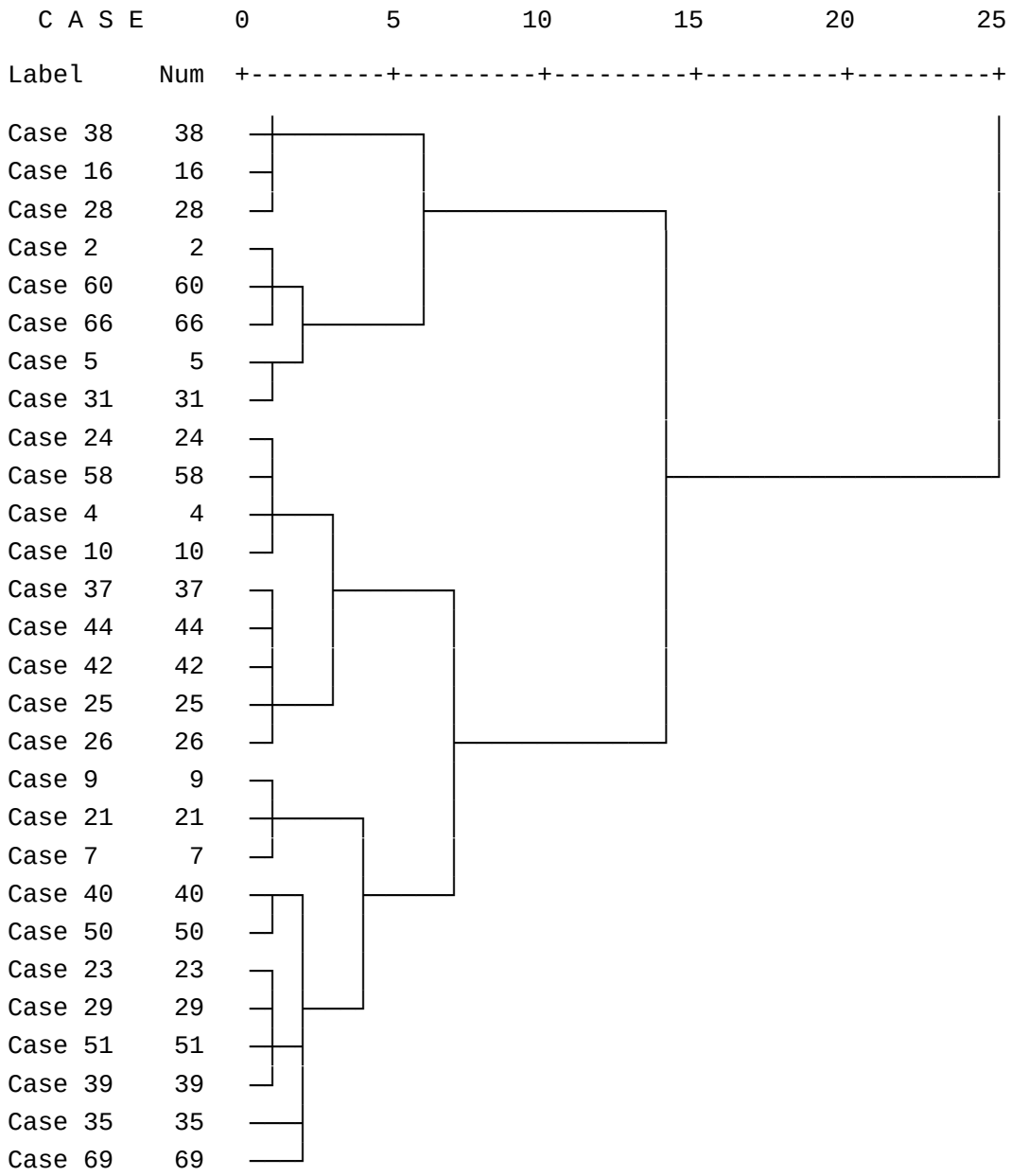
Dendrogram using Ward Method

Rescaled Distance Cluster Combine



```
Case 46    46  ┘
Case 34    34  ┐
```

```
* * * * * * H I E R A R C H I C A L  C L U S T E R  A N A L Y S I S * * * * * *
```



Quick Cluster

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Anfängliche Clusterzentren

	Cluster	
	1	2
L&L - Learning Preferences: Seminars	3	4
L&L - Learning Preferences: Web Ex	0	2
L&L - Learning Preferences: Elearning (Tutorials)	0	2
L&L - Learning Preferences: Documents	4	1
L&L - Learning Preferences: Learning by Doing	4	4
L&L - Learning Preferences: Books	4	1

Iterationsprotokoll[a]

	Änderung in Clusterzentren	
Iteration	1	2
1	1,830	1,917
2	,120	,185
3	,080	,129
4	,053	,079
5	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 5. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 5,196.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,140
2	2	2,091
3	1	1,614
4	1	2,101
5	2	2,287
6	2	2,780
7	2	2,074
8	1	2,523
9	2	1,968
10	1	2,008
11	2	2,021
12	1	2,661
13	1	1,169
14	1	1,643
15	2	2,039
16	2	2,302
17	1	1,848
18	1	1,742
19	1	,778
20	1	3,357
21	2	1,076
22	1	3,765
23	1	1,209
24	2	1,444

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
25	1	1,507
26	1	2,020
27	1	,778
28	2	1,968
29	2	1,540
30	1	1,248
31	2	1,287
32	1	1,229
33	1	1,375
34	2	2,021
35	1	1,822
36	2	2,108
37	1	2,020
38	2	2,363
39	2	1,342
40	2	1,586
41	1	1,554
42	1	2,466
43	1	1,491
44	1	1,728
45	1	1,911
46	1	2,124
47	1	1,686
48	1	2,244
49	1	,680
50	2	2,141
51	2	1,042
52	1	2,275
53	2	2,348
54	1	1,267
55	1	2,044
56	1	2,958
57	1	2,168
58	2	1,444
59	2	1,817
60	2	1,894
61	1	1,267
62	1	1,149
63	1	1,848
64	1	2,876
65	1	,680
66	2	1,855
67	1	1,267
68	1	,680
69	2	2,056
70	2	1,694

Clusterzentren der endgültigen Lösung

	Cluster	
	1	2
L&L - Learning Preferences: Seminars	3	3
L&L - Learning Preferences: Web Ex	1	2
L&L - Learning Preferences: Elearning (Tutorials)	1	2
L&L - Learning Preferences: Documents	3	2
L&L - Learning Preferences: Learning by Doing	4	3
L&L - Learning Preferences: Books	3	2

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2
1		2,001
2	2,001	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Learning Preferences: Seminars	2,752	1	,645	68	4,270	,043
L&L - Learning Preferences: Web Ex	18,021	1	,669	68	26,954	,000
L&L - Learning Preferences: Elearning (Tutorials)	23,336	1	,648	68	36,035	,000
L&L - Learning Preferences: Documents	10,371	1	,553	68	18,771	,000
L&L - Learning Preferences: Learning by Doing	,771	1	,422	68	1,827	,181
L&L - Learning Preferences: Books	12,002	1	,803	68	14,953	,000

Die F-Tests sollten nur für beschreibende Zwecke verwendet werden, da die Cluster so gewählt wurden, daß die Differenzen zwischen Fällen in unterschiedlichen Clustern maximiert werden. Dabei werden die beobachteten Signifikanzniveaus nicht korrigiert und können daher nicht als Tests für die Hypothese der Gleichheit der Clustermittelwerte interpretiert werden.

Anzahl der Fälle in jedem Cluster

Cluster	1	42,000
	2	28,000
Gültig		70,000
Fehlend		,000

Quick Cluster

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report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav
```

Anfängliche Clusterzentren

	Cluster		
	1	2	3
L&L - Learning Preferences: Seminars	3	4	3
L&L - Learning Preferences: Web Ex	1	3	0
L&L - Learning Preferences: Elearning (Tutorials)	2	3	0
L&L - Learning Preferences: Documents	3	2	4
L&L - Learning Preferences: Learning by Doing	1	4	4
L&L - Learning Preferences: Books	1	3	4

Iterationsprotokoll[a]

	Änderung in Clusterzentren		
Iteration	1	2	3
1	2,101	1,542	1,691
2	,211	,095	,041
3	,473	,184	,179
4	,234	,172	,062
5	,000	,053	,044
6	,000	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 6. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 4,472.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,746
2	2	1,758
3	3	1,467
4	2	1,384
5	2	1,656
6	1	2,507
7	2	2,450
8	1	2,027
9	1	1,642
10	2	1,416
11	1	1,208
12	1	2,247
13	3	1,272
14	3	1,659
15	1	1,712
16	1	1,907
17	3	1,679
18	3	1,902
19	3	,697
20	1	2,387
21	2	1,287
22	3	3,663
23	2	1,163

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
24	2	,862
25	2	1,085
26	3	2,021
27	3	,697
28	1	1,642
29	2	1,217
30	3	1,444
31	2	1,253
32	3	1,191
33	3	1,444
34	1	2,140
35	3	1,971
36	2	2,138
37	2	1,901
38	1	2,041
39	2	,935
40	2	1,199
41	3	1,444
42	2	1,770
43	3	1,577
44	2	1,562
45	1	1,677
46	3	2,054
47	3	1,737
48	3	2,210
49	3	,828
50	2	1,979
51	1	1,325
52	3	2,210
53	1	2,530
54	3	1,163
55	3	1,885
56	1	2,495
57	3	2,070
58	2	,862
59	1	1,677
60	2	1,979
61	3	1,163
62	3	1,163
63	3	1,679
64	3	2,796
65	3	,828
66	2	1,990
67	3	1,163
68	3	,828
69	2	1,589
70	1	1,368

Clusterzentren der endgültigen Lösung

	Cluster		
	1	2	3
L&L - Learning Preferences: Seminars	3	4	3
L&L - Learning Preferences: Web Ex	1	2	0
L&L - Learning Preferences: Elearning (Tutorials)	1	2	1
L&L - Learning Preferences: Documents	2	3	3
L&L - Learning Preferences: Learning by Doing	3	4	4
L&L - Learning Preferences: Books	1	3	3

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3
1		2,307	2,193
2	2,307		2,141
3	2,193	2,141	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Learning Preferences: Seminars	2,925	2	,608	67	4,811	,011
L&L - Learning Preferences: Web Ex	12,957	2	,561	67	23,105	,000
L&L - Learning Preferences: Elearning (Tutorials)	14,095	2	,585	67	24,102	,000
L&L - Learning Preferences: Documents	4,404	2	,584	67	7,540	,001
L&L - Learning Preferences: Learning by Doing	,704	2	,419	67	1,680	,194
L&L - Learning Preferences: Books	19,882	2	,400	67	49,663	,000

Die F-Tests sollten nur für beschreibende Zwecke verwendet werden, da die Cluster so gewählt wurden, daß die Differenzen zwischen Fällen in unterschiedlichen Clustern maximiert werden. Dabei werden die beobachteten Signifikanzniveaus nicht korrigiert und können daher nicht als Tests für die Hypothese der Gleichheit der Clustermittelwerte interpretiert werden.

Anzahl der Fälle in jedem Cluster

Cluster	1	17,000
	2	23,000
	3	30,000
Gültig		70,000
Fehlend		,000

Quick Cluster

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work

report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Anfängliche Clusterzentren

	Cluster			
	1	2	3	4
L&L - Learning Preferences: Seminars	0	4	4	3
L&L - Learning Preferences: Web Ex	0	3	0	1
L&L - Learning Preferences: Elearning (Tutorials)	3	3	0	2
L&L - Learning Preferences: Documents	4	2	4	3
L&L - Learning Preferences: Learning by Doing	3	4	3	1
L&L - Learning Preferences: Books	3	2	4	1

Iterationsprotokoll[a]

	Änderung in Clusterzentren			
Iteration	1	2	3	4
1	1,685	1,597	1,930	1,969
2	,000	,147	,138	,279
3	,000	,053	,051	,000
4	,000	,000	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 4. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 4,123.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,463
2	2	1,705
3	3	1,651
4	2	1,772
5	2	1,815
6	4	2,165
7	2	2,198
8	4	1,920
9	4	1,666
10	2	1,815
11	4	1,189
12	3	2,552
13	3	1,287
14	3	1,393
15	4	1,494
16	2	2,599
17	3	1,651
18	3	1,776
19	3	,810
20	4	2,287
21	2	1,103
22	1	1,685
23	2	1,325
24	2	1,103

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
25	2	1,234
26	3	1,967
27	3	,810
28	2	2,367
29	2	1,463
30	3	1,201
31	2	1,031
32	3	1,419
33	3	1,393
34	2	2,250
35	3	2,003
36	2	2,109
37	3	2,021
38	2	2,584
39	2	1,137
40	2	1,409
41	3	1,539
42	2	2,250
43	4	1,400
44	3	1,836
45	4	1,226
46	3	1,893
47	3	1,516
48	3	2,124
49	3	,764
50	2	2,109
51	4	1,226
52	3	2,174
53	1	1,908
54	3	1,041
55	1	1,625
56	4	1,920
57	1	1,744
58	2	1,103
59	2	1,996
60	2	1,728
61	3	1,041
62	3	1,287
63	3	1,651
64	1	,800
65	3	,764
66	2	1,772
67	3	1,041
68	3	,764
69	2	1,793
70	4	1,666

Clusterzentren der endgültigen Lösung

	Cluster			
	1	2	3	4
L&L - Learning Preferences: Seminars	1	4	3	3
L&L - Learning Preferences: Web Ex	0	2	0	1
L&L - Learning Preferences: Elearning (Tutorials)	2	2	1	1
L&L - Learning Preferences: Documents	3	2	3	3
L&L - Learning Preferences: Learning by Doing	4	4	4	3
L&L - Learning Preferences: Books	3	3	3	1

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4
1		2,960	2,554	2,997
2	2,960		2,175	2,281
3	2,554	2,175		2,041
4	2,997	2,281	2,041	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Learning Preferences: Seminars	7,939	3	,345	66	23,011	,000
L&L - Learning Preferences: Web Ex	9,449	3	,532	66	17,747	,000
L&L - Learning Preferences: Elearning (Tutorials)	11,432	3	,501	66	22,811	,000
L&L - Learning Preferences: Documents	1,906	3	,640	66	2,979	,038
L&L - Learning Preferences: Learning by Doing	1,496	3	,379	66	3,948	,012
L&L - Learning Preferences: Books	9,505	3	,577	66	16,477	,000

Die F-Tests sollten nur für beschreibende Zwecke verwendet werden, da die Cluster so gewählt wurden, daß die Differenzen zwischen Fällen in unterschiedlichen Clustern maximiert werden. Dabei werden die beobachteten Signifikanzniveaus nicht korrigiert und können daher nicht als Tests für die Hypothese der Gleichheit der Clustermittelwerte interpretiert werden.

Anzahl der Fälle in jedem Cluster

Cluster	1	5,000
	2	26,000
	3	28,000
	4	11,000
Gültig		70,000
Fehlend		,000

Quick Cluster

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Anfängliche Clusterzentren

	Cluster				
	1	2	3	4	5
L&L - Learning Preferences: Seminars	0	3	3	4	4
L&L - Learning Preferences: Web Ex	0	1	0	2	2
L&L - Learning Preferences: Elearning (Tutorials)	3	2	0	1	3
L&L - Learning Preferences: Documents	4	3	4	1	2
L&L - Learning Preferences: Learning by Doing	3	1	4	4	4
L&L - Learning Preferences: Books	3	1	4	1	4

Iterationsprotokoll[a]

	Änderung in Clusterzentren				
Iteration	1	2	3	4	5
1	1,620	1,672	1,562	1,387	1,502
2	,000	,249	,124	,218	,122
3	,406	,000	,129	,000	,089
4	,000	,000	,080	,000	,091
5	,000	,000	,000	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 5. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 3,742.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,684
2	5	1,832
3	3	1,685
4	5	1,240
5	5	1,649
6	2	1,641
7	4	2,362
8	4	1,939
9	4	1,457
10	5	1,311
11	4	1,361
12	4	2,284
13	3	1,249
14	3	1,342
15	2	1,187
16	4	1,457
17	3	1,612
18	3	1,778
19	3	,721
20	4	2,223
21	5	1,379
22	1	1,685

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
23	5	1,124
24	5	,793
25	5	1,041
26	3	2,020
27	3	,721
28	4	1,518
29	5	1,240
30	3	1,281
31	5	1,311
32	3	1,442
33	3	1,428
34	4	1,634
35	5	1,905
36	5	2,172
37	5	1,756
38	4	1,361
39	5	,900
40	5	1,240
41	3	1,575
42	5	1,621
43	3	1,637
44	5	1,474
45	2	1,059
46	3	1,865
47	3	1,510
48	3	2,117
49	3	,872
50	5	1,998
51	2	,915
52	3	2,098
53	1	1,908
54	3	,959
55	1	1,625
56	2	2,133
57	1	1,744
58	5	,793
59	4	1,793
60	5	2,109
61	3	,959
62	3	1,311
63	3	1,612
64	1	,800
65	3	,872
66	5	2,109
67	3	,959
68	3	,872
69	5	1,621
70	2	1,301

Clusterzentren der endgültigen Lösung

	Cluster				
	1	2	3	4	5
L&L - Learning Preferences: Seminars	1	3	3	4	4
L&L - Learning Preferences: Web Ex	0	1	0	1	2
L&L - Learning Preferences: Elearning (Tutorials)	2	2	1	1	2
L&L - Learning Preferences: Documents	3	3	3	2	3
L&L - Learning Preferences: Learning by Doing	4	2	4	4	4
L&L - Learning Preferences: Books	3	2	3	1	3

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4	5
1		2,584	2,539	3,823	2,772
2	2,584		2,258	2,006	2,376
3	2,539	2,258		2,556	2,161
4	3,823	2,006	2,556		2,598
5	2,772	2,376	2,161	2,598	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Learning Preferences: Seminars	6,965	4	,288	65	24,178	,000
L&L - Learning Preferences: Web Ex	7,054	4	,543	65	13,001	,000
L&L - Learning Preferences: Elearning (Tutorials)	8,686	4	,502	65	17,303	,000
L&L - Learning Preferences: Documents	2,450	4	,587	65	4,175	,005
L&L - Learning Preferences: Learning by Doing	2,177	4	,320	65	6,810	,000
L&L - Learning Preferences: Books	11,092	4	,342	65	32,450	,000

Die F-Tests sollten nur für beschreibende Zwecke verwendet werden, da die Cluster so gewählt wurden, daß die Differenzen zwischen Fällen in unterschiedlichen Clustern maximiert werden. Dabei werden die beobachteten Signifikanzniveaus nicht korrigiert und können daher nicht als Tests für die Hypothese der Gleichheit der Clustermittelwerte interpretiert werden.

Anzahl der Fälle in jedem Cluster

Cluster	1	5,000
	2	7,000
	3	25,000
	4	11,000
	5	22,000
Gültig		70,000
Fehlend		,000

Quick Cluster

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Anfängliche Clusterzentren

	Cluster					
	1	2	3	4	5	6
L&L - Learning Preferences: Seminars	0	4	4	3	4	3
L&L - Learning Preferences: Web Ex	0	2	0	3	0	1
L&L - Learning Preferences: Elearning (Tutorials)	3	2	0	3	0	2
L&L - Learning Preferences: Documents	4	1	3	3	4	3
L&L - Learning Preferences: Learning by Doing	3	4	4	3	3	1
L&L - Learning Preferences: Books	3	1	0	3	4	1

Iterationsprotokoll[a]

	Änderung in Clusterzentren					
Iteration	1	2	3	4	5	6
1	1,685	1,233	1,528	1,503	1,769	1,590
2	,000	,485	,000	,196	,221	,000
3	,000	,369	,274	,110	,078	,242
4	,000	,000	,000	,000	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 4. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 3,464.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,879
2	4	2,007
3	5	1,583
4	4	1,195
5	4	1,711
6	6	1,720
7	2	1,625
8	3	,990
9	2	1,692
10	4	1,276
11	3	1,187
12	3	2,030
13	3	,915
14	5	1,367
15	6	1,294
16	2	1,405
17	5	1,583
18	3	1,505
19	5	,773
20	3	1,684

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
21	4	1,459
22	1	1,685
23	4	1,014
24	4	,853
25	4	,963
26	5	2,035
27	5	,773
28	2	1,482
29	4	1,195
30	5	1,299
31	4	1,388
32	5	1,432
33	5	1,367
34	2	1,042
35	4	1,824
36	4	2,151
37	4	1,590
38	2	1,444
39	4	,910
40	4	1,195
41	5	1,525
42	4	1,526
43	6	1,450
44	4	1,352
45	6	,904
46	5	1,848
47	5	1,494
48	5	2,058
49	5	,883
50	4	1,905
51	6	1,050
52	5	2,058
53	1	1,908
54	5	,980
55	1	1,625
56	6	1,841
57	1	1,744
58	4	,853
59	3	1,641
60	2	1,625
61	5	,980
62	5	1,367
63	5	1,583
64	1	,800
65	5	,883
66	2	1,788
67	5	,980
68	5	,883
69	4	1,740
70	6	1,498

Clusterzentren der endgültigen Lösung

	Cluster					
	1	2	3	4	5	6
L&L - Learning Preferences: Seminars	1	4	4	4	3	3
L&L - Learning Preferences: Web Ex	0	2	0	2	0	1
L&L - Learning Preferences: Elearning (Tutorials)	2	2	1	2	1	1
L&L - Learning Preferences: Documents	3	2	3	3	3	3
L&L - Learning Preferences: Learning by Doing	4	3	4	4	4	2
L&L - Learning Preferences: Books	3	1	1	3	3	2

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4	5	6
1		3,909	3,367	2,703	2,559	2,613
2	3,909		2,601	2,315	3,209	2,532
3	3,367	2,601		2,814	1,962	2,000
4	2,703	2,315	2,814		2,033	2,487
5	2,559	3,209	1,962	2,033		2,218
6	2,613	2,532	2,000	2,487	2,218	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Learning Preferences: Seminars	5,499	5	,298	64	18,437	,000
L&L - Learning Preferences: Web Ex	7,531	5	,404	64	18,656	,000
L&L - Learning Preferences: Elearning (Tutorials)	6,993	5	,506	64	13,811	,000
L&L - Learning Preferences: Documents	2,451	5	,558	64	4,395	,002
L&L - Learning Preferences: Learning by Doing	2,016	5	,303	64	6,650	,000
L&L - Learning Preferences: Books	9,649	5	,287	64	33,666	,000

Die F-Tests sollten nur für beschreibende Zwecke verwendet werden, da die Cluster so gewählt wurden, daß die Differenzen zwischen Fällen in unterschiedlichen Clustern maximiert werden. Dabei werden die beobachteten Signifikanzniveaus nicht korrigiert und können daher nicht als Tests für die Hypothese der Gleichheit der Clustermittelwerte interpretiert werden.

Anzahl der Fälle in jedem Cluster

Cluster	1	5,000
	2	9,000
	3	7,000
	4	20,000
	5	22,000
	6	7,000
Gültig		70,000
Fehlend		,000

Diskriminanzanalyse

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Warnungen

Das gestapelte Histrogramm aller Gruppen wird nicht länger angezeigt.

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		70	100,0
Ausgeschlossen	Gruppencodes fehlend oder außerhalb des Bereichs	0	,0
	Mindestens eine fehlende Diskriminanz-Variable	0	,0
	Beide fehlenden oder außerhalb des Bereichs liegenden Gruppencodes und mindestens eine fehlende Diskriminanz-Variable	0	,0
	Gesamtzahl der ausgeschlossenen	0	,0
Gesamtzahl der Fälle		70	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Learning Preferences: Seminars	3,02	,897	42	42,000
	L&L - Learning Preferences: Web Ex	,50	,672	42	42,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,07	,867	42	42,000
	L&L - Learning Preferences: Documents	3,14	,751	42	42,000
	L&L - Learning Preferences: Learning by Doing	3,57	,630	42	42,000
	L&L - Learning Preferences: Books	2,95	,882	42	42,000
2	L&L - Learning Preferences: Seminars	3,43	,634	28	28,000
	L&L - Learning Preferences: Web Ex	1,54	,999	28	28,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,25	,701	28	28,000
	L&L - Learning Preferences: Documents	2,36	,731	28	28,000
	L&L - Learning Preferences: Learning by Doing	3,36	,678	28	28,000
	L&L - Learning Preferences: Books	2,11	,916	28	28,000
Gesamt	L&L - Learning Preferences: Seminars	3,19	,822	70	70,000
	L&L - Learning Preferences: Web Ex	,91	,959	70	70,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,54	,988	70	70,000
	L&L - Learning Preferences: Documents	2,83	,834	70	70,000
	L&L - Learning Preferences: Learning by Doing	3,49	,654	70	70,000
	L&L - Learning Preferences: Books	2,61	,982	70	70,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Learning Preferences: Seminars	,941	4,270	1	68	,043
L&L - Learning Preferences: Web Ex	,716	26,954	1	68	,000
L&L - Learning Preferences: Elearning (Tutorials)	,654	36,035	1	68	,000
L&L - Learning Preferences: Documents	,784	18,771	1	68	,000
L&L - Learning Preferences: Learning by Doing	,974	1,827	1	68	,181
L&L - Learning Preferences: Books	,820	14,953	1	68	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)	L&L - Learning Preferences: Documents
Kovarianz	L&L - Learning Preferences: Seminars	,645	,104	-,163	-,050
	L&L - Learning Preferences: Web Ex	,104	,669	,114	,054
	L&L - Learning Preferences: Elearning (Tutorials)	-,163	,114	,648	,133
	L&L - Learning Preferences: Documents	-,050	,054	,133	,553
	L&L - Learning Preferences: Learning by Doing	,061	,054	,085	-,029
	L&L - Learning Preferences: Books	-,033	,094	,329	,180
Korrelation	L&L - Learning Preferences: Seminars	1,000	,158	-,252	-,084
	L&L - Learning Preferences: Web Ex	,158	1,000	,173	,088
	L&L - Learning Preferences: Elearning (Tutorials)	-,252	,173	1,000	,223
	L&L - Learning Preferences: Documents	-,084	,088	,223	1,000
	L&L - Learning Preferences: Learning by Doing	,117	,101	,163	-,061
	L&L - Learning Preferences: Books	-,046	,128	,457	,270

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Kovarianz	L&L - Learning Preferences: Seminars	,061	-,033
	L&L - Learning Preferences: Web Ex	,054	,094
	L&L - Learning Preferences: Elearning (Tutorials)	,085	,329
	L&L - Learning Preferences: Documents	-,029	,180
	L&L - Learning Preferences: Learning by Doing	,422	,133
	L&L - Learning Preferences: Books	,133	,803
Korrelation	L&L - Learning Preferences: Seminars	,117	-,046
	L&L - Learning Preferences: Web Ex	,101	,128
	L&L - Learning Preferences: Elearning (Tutorials)	,163	,457
	L&L - Learning Preferences: Documents	-,061	,270
	L&L - Learning Preferences: Learning by Doing	1,000	,229
	L&L - Learning Preferences: Books	,229	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 68.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
1	L&L - Learning Preferences: Seminars	,804	,037	-,221
	L&L - Learning Preferences: Web Ex	,037	,451	,207
	L&L - Learning Preferences: Elearning (Tutorials)	-,221	,207	,751
	L&L - Learning Preferences: Documents	,021	,098	,185
	L&L - Learning Preferences: Learning by Doing	,084	,024	,105
	L&L - Learning Preferences: Books	-,048	,146	,272
2	L&L - Learning Preferences: Seminars	,402	,206	-,074
	L&L - Learning Preferences: Web Ex	,206	,999	-,028
	L&L - Learning Preferences: Elearning (Tutorials)	-,074	-,028	,491
	L&L - Learning Preferences: Documents	-,159	-,013	,056
	L&L - Learning Preferences: Learning by Doing	,026	,098	,056
	L&L - Learning Preferences: Books	-,011	,015	,417
Gesamt	L&L - Learning Preferences: Seminars	,675	,205	-,044
	L&L - Learning Preferences: Web Ex	,205	,920	,410
	L&L - Learning Preferences: Elearning (Tutorials)	-,044	,410	,976
	L&L - Learning Preferences: Documents	-,127	-,145	-,094
	L&L - Learning Preferences: Learning by Doing	,039	-,001	,022
	L&L - Learning Preferences: Books	-,116	-,120	,082

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
1	L&L - Learning Preferences: Seminars	,021	,084	-,048
	L&L - Learning Preferences: Web Ex	,098	,024	,146
	L&L - Learning Preferences: Elearning (Tutorials)	,185	,105	,272
	L&L - Learning Preferences: Documents	,564	,063	,178
	L&L - Learning Preferences: Learning by Doing	,063	,397	,125
	L&L - Learning Preferences: Books	,178	,125	,778
2	L&L - Learning Preferences: Seminars	-,159	,026	-,011
	L&L - Learning Preferences: Web Ex	-,013	,098	,015
	L&L - Learning Preferences: Elearning (Tutorials)	,056	,056	,417
	L&L - Learning Preferences: Documents	,534	-,169	,183
	L&L - Learning Preferences: Learning by Doing	-,169	,460	,146
	L&L - Learning Preferences: Books	,183	,146	,840
Gesamt	L&L - Learning Preferences: Seminars	-,127	,039	-,116
	L&L - Learning Preferences: Web Ex	-,145	-,001	-,120
	L&L - Learning Preferences: Elearning (Tutorials)	-,094	,022	,082
	L&L - Learning Preferences: Documents	,695	,012	,339
	L&L - Learning Preferences: Learning by Doing	,012	,427	,176
	L&L - Learning Preferences: Books	,339	,176	,965

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 69.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	-3,710
2	6	-4,487
Gemeinsam innerhalb der Gruppen	6	-3,532

Die Ränge und natürlichen Logarithmen der ausgegebenen Determinanten sind die der Gruppen-Kovarianz-Matrizen.

Textergebnisse

Box-M		33,082
F	Näherungswert	1,417
	df1	21
	df2	12318,41
	Signifikanz	,097

Testet die Null-Hypothese der Kovarianz-Matrizen gleicher Grundgesamtheit.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,218[a]	100,0	100,0	,830

a. Die ersten 1 kanonischen Diskriminanzfunktionen werden in dieser Analyse verwendet.

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1	,311	75,970	6	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion
	1
L&L - Learning Preferences: Seminars	,303
L&L - Learning Preferences: Web Ex	,353
L&L - Learning Preferences: Elearning (Tutorials)	,905
L&L - Learning Preferences: Documents	-,412
L&L - Learning Preferences: Learning by Doing	-,216
L&L - Learning Preferences: Books	-,599

Struktur-Matrix

	Funktion
	1
L&L - Learning Preferences: Elearning (Tutorials)	,489
L&L - Learning Preferences: Web Ex	,423
L&L - Learning Preferences: Documents	-,353
L&L - Learning Preferences: Books	-,315
L&L - Learning Preferences: Seminars	,168
L&L - Learning Preferences: Learning by Doing	-,110

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen
Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion
	1
L&L - Learning Preferences: Seminars	,378
L&L - Learning Preferences: Web Ex	,432
L&L - Learning Preferences: Elearning (Tutorials)	1,124
L&L - Learning Preferences: Documents	-,554
L&L - Learning Preferences: Learning by Doing	-,333
L&L - Learning Preferences: Books	-,668
(Konstant)	1,140

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion
Cluster-Nr. des Falls	1
1	-1,199
2	1,798

Nicht-standardisierte kanonische Diskriminanzfunktionen, die bezüglich des Gruppen-Mittelwertes bewertet werden

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		70
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		70

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,500	42	42,000
2	,500	28	28,000
Gesamt	1,000	70	70,000

Klassifizierungsfunktionskoeffizienten

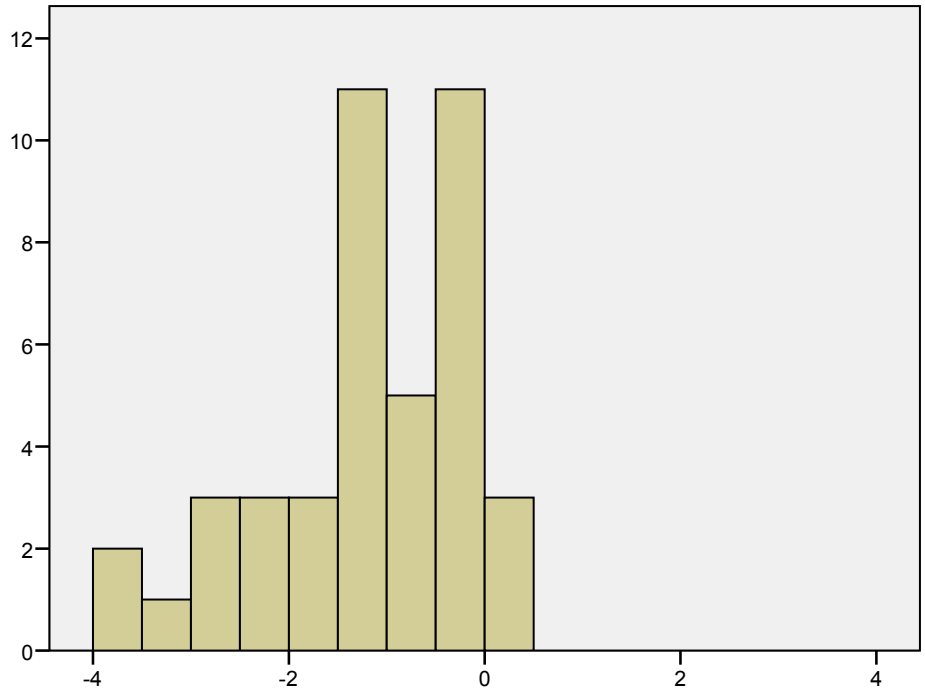
	Cluster-Nr. des Falls	
	1	2
L&L - Learning Preferences: Seminars	4,730	5,862
L&L - Learning Preferences: Web Ex	-1,321	-,027
L&L - Learning Preferences: Elearning (Tutorials)	,102	3,470
L&L - Learning Preferences: Documents	6,235	4,576
L&L - Learning Preferences: Learning by Doing	7,956	6,960
L&L - Learning Preferences: Books	1,267	-,736
(Konstant)	-33,445	-30,926

Lineare Diskriminanzfunktionen nach Fisher

Graphische Darstellung getrennter Gruppen

Kanonische Diskriminanzfunktion 1

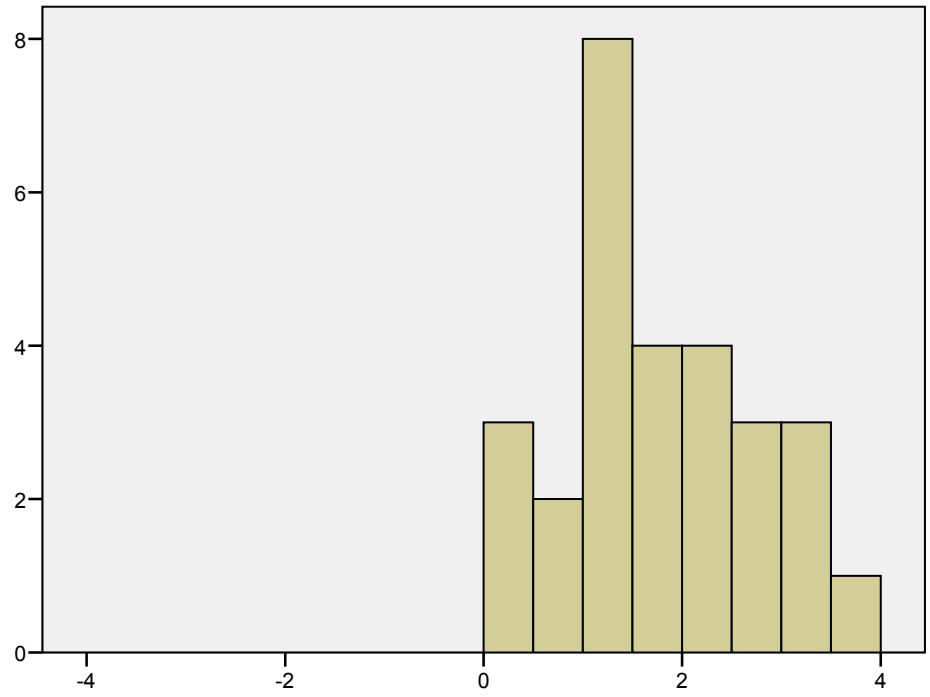
Cluster-Nr. des Falls = 1



Mittelwert =-1,2
Std.-Abw. =1,043
N =42

Kanonische Diskriminanzfunktion 1

Cluster-Nr. des Falls = 2



Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte Gruppenzugehörigkeit 1	2	Gesamt
Original	Anzahl	1	41	1	42
		2	1	27	28
	%	1	97,6	2,4	100,0
		2	3,6	96,4	100,0
Kreuzvalidiert[a]	Anzahl	1	39	3	42
		2	3	25	28
	%	1	92,9	7,1	100,0
		2	10,7	89,3	100,0

a. Die Kreuzvalidierung wird nur für Fälle in dieser Analyse vorgenommen. In der Kreuzvalidierung ist jeder Fall durch die Funktionen klassifiziert, die von allen anderen Fällen außer diesem Fall abgeleitet werden.

b. 97,1% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 91,4% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		70	100,0
Ausgeschlossen	Gruppencodes fehlend oder außerhalb des Bereichs	0	,0
	Mindestens eine fehlende Diskriminanz-Variable	0	,0
	Beide fehlenden oder außerhalb des Bereichs liegenden Gruppencodes und mindestens eine fehlende Diskriminanz-Variable	0	,0
	Gesamtzahl der ausgeschlossenen	0	,0
Gesamtzahl der Fälle		70	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Learning Preferences: Seminars	3,29	,772	17	17,000
	L&L - Learning Preferences: Web Ex	,82	,809	17	17,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,29	,920	17	17,000
	L&L - Learning Preferences: Documents	2,24	,903	17	17,000
	L&L - Learning Preferences: Learning by Doing	3,24	,903	17	17,000
	L&L - Learning Preferences: Books	1,29	,588	17	17,000
2	L&L - Learning Preferences: Seminars	3,52	,511	23	23,000
	L&L - Learning Preferences: Web Ex	1,74	,915	23	23,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,43	,507	23	23,000
	L&L - Learning Preferences: Documents	2,87	,694	23	23,000
	L&L - Learning Preferences: Learning by Doing	3,57	,507	23	23,000
	L&L - Learning Preferences: Books	2,91	,733	23	23,000
3	L&L - Learning Preferences: Seminars	2,87	,937	30	30,000
	L&L - Learning Preferences: Web Ex	,33	,547	30	30,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,00	,830	30	30,000
	L&L - Learning Preferences: Documents	3,13	,730	30	30,000
	L&L - Learning Preferences: Learning by Doing	3,57	,568	30	30,000
	L&L - Learning Preferences: Books	3,13	,571	30	30,000
Gesamt	L&L - Learning Preferences: Seminars	3,19	,822	70	70,000
	L&L - Learning Preferences: Web Ex	,91	,959	70	70,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,54	,988	70	70,000
	L&L - Learning Preferences: Documents	2,83	,834	70	70,000
	L&L - Learning Preferences: Learning by Doing	3,49	,654	70	70,000
	L&L - Learning Preferences: Books	2,61	,982	70	70,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Learning Preferences: Seminars	,874	4,811	2	67	,011
L&L - Learning Preferences: Web Ex	,592	23,105	2	67	,000
L&L - Learning Preferences: Elearning (Tutorials)	,582	24,102	2	67	,000
L&L - Learning Preferences: Documents	,816	7,540	2	67	,001
L&L - Learning Preferences: Learning by Doing	,952	1,680	2	67	,194
L&L - Learning Preferences: Books	,403	49,663	2	67	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)	L&L - Learning Preferences: Documents
Kovarianz	L&L - Learning Preferences: Seminars	,608	,035	-,219	-,076
	L&L - Learning Preferences: Web Ex	,035	,561	,022	-,096
	L&L - Learning Preferences: Elearning (Tutorials)	-,219	,022	,585	-,073
	L&L - Learning Preferences: Documents	-,076	-,096	-,073	,584
	L&L - Learning Preferences: Learning by Doing	,049	-,008	,003	-,037
	L&L - Learning Preferences: Books	-,043	-,104	,036	,075
Korrelation	L&L - Learning Preferences: Seminars	1,000	,060	-,368	-,127
	L&L - Learning Preferences: Web Ex	,060	1,000	,039	-,167
	L&L - Learning Preferences: Elearning (Tutorials)	-,368	,039	1,000	-,124
	L&L - Learning Preferences: Documents	-,127	-,167	-,124	1,000
	L&L - Learning Preferences: Learning by Doing	,098	-,018	,005	-,076
	L&L - Learning Preferences: Books	-,088	-,220	,074	,155

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Kovarianz	L&L - Learning Preferences: Seminars	,049	-,043
	L&L - Learning Preferences: Web Ex	-,008	-,104
	L&L - Learning Preferences: Elearning (Tutorials)	,003	,036
	L&L - Learning Preferences: Documents	-,037	,075
	L&L - Learning Preferences: Learning by Doing	,419	,070
	L&L - Learning Preferences: Books	,070	,400
Korrelation	L&L - Learning Preferences: Seminars	,098	-,088
	L&L - Learning Preferences: Web Ex	-,018	-,220
	L&L - Learning Preferences: Elearning (Tutorials)	,005	,074
	L&L - Learning Preferences: Documents	-,076	,155
	L&L - Learning Preferences: Learning by Doing	1,000	,171
	L&L - Learning Preferences: Books	,171	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 67.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
1	L&L - Learning Preferences: Seminars	,596	,243	-,154
	L&L - Learning Preferences: Web Ex	,243	,654	,118
	L&L - Learning Preferences: Elearning (Tutorials)	-,154	,118	,846
	L&L - Learning Preferences: Documents	-,261	-,206	-,136
	L&L - Learning Preferences: Learning by Doing	,239	-,081	-,074
	L&L - Learning Preferences: Books	-,154	-,132	,221
2	L&L - Learning Preferences: Seminars	,261	,006	-,010
	L&L - Learning Preferences: Web Ex	,006	,838	-,018
	L&L - Learning Preferences: Elearning (Tutorials)	-,010	-,018	,257
	L&L - Learning Preferences: Documents	,026	-,126	-,213
	L&L - Learning Preferences: Learning by Doing	,010	,063	-,030
	L&L - Learning Preferences: Books	,002	-,206	-,051
3	L&L - Learning Preferences: Seminars	,878	-,057	-,414
	L&L - Learning Preferences: Web Ex	-,057	,299	,000
	L&L - Learning Preferences: Elearning (Tutorials)	-,414	,000	,690
	L&L - Learning Preferences: Documents	-,051	-,011	,069
	L&L - Learning Preferences: Learning by Doing	-,025	-,023	,069
	L&L - Learning Preferences: Books	-,016	-,011	,000
Gesamt	L&L - Learning Preferences: Seminars	,675	,205	-,044
	L&L - Learning Preferences: Web Ex	,205	,920	,410
	L&L - Learning Preferences: Elearning (Tutorials)	-,044	,410	,976
	L&L - Learning Preferences: Documents	-,127	-,145	-,094
	L&L - Learning Preferences: Learning by Doing	,039	-,001	,022
	L&L - Learning Preferences: Books	-,116	-,120	,082

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
1	L&L - Learning Preferences: Seminars	-,261	,239	-,154
	L&L - Learning Preferences: Web Ex	-,206	-,081	-,132
	L&L - Learning Preferences: Elearning (Tutorials)	-,136	-,074	,221
	L&L - Learning Preferences: Documents	,816	-,309	-,074
	L&L - Learning Preferences: Learning by Doing	-,309	,816	-,011
	L&L - Learning Preferences: Books	-,074	-,011	,346
2	L&L - Learning Preferences: Seminars	,026	,010	,002
	L&L - Learning Preferences: Web Ex	-,126	,063	-,206
	L&L - Learning Preferences: Elearning (Tutorials)	-,213	-,030	-,051
	L&L - Learning Preferences: Documents	,482	,032	,170
	L&L - Learning Preferences: Learning by Doing	,032	,257	,142
	L&L - Learning Preferences: Books	,170	,142	,538
3	L&L - Learning Preferences: Seminars	-,051	-,025	-,016
	L&L - Learning Preferences: Web Ex	-,011	-,023	-,011
	L&L - Learning Preferences: Elearning (Tutorials)	,069	,069	,000
	L&L - Learning Preferences: Documents	,533	,060	,085
	L&L - Learning Preferences: Learning by Doing	,060	,323	,060
	L&L - Learning Preferences: Books	,085	,060	,326
Gesamt	L&L - Learning Preferences: Seminars	-,127	,039	-,116
	L&L - Learning Preferences: Web Ex	-,145	-,001	-,120
	L&L - Learning Preferences: Elearning (Tutorials)	-,094	,022	,082
	L&L - Learning Preferences: Documents	,695	,012	,339
	L&L - Learning Preferences: Learning by Doing	,012	,427	,176
	L&L - Learning Preferences: Books	,339	,176	,965

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 69.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	-3,879
2	6	-6,577
3	6	-5,069
Gemeinsam innerhalb der Gruppen	6	-4,291

Die Ränge und natürlichen Logarithmen der ausgegebenen Determinanten sind die der Gruppen-Kovarianz-Matrizen.

Textergebnisse

Box-M		66,283
F	Näherungswert	1,358
	df1	42
	df2	9023,171
	Signifikanz	,061

Testet die Null-Hypothese der Kovarianz-Matrizen gleicher Grundgesamtheit.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,013[a]	57,4	57,4	,817
2	1,493[a]	42,6	100,0	,774

a. Die ersten 2 kanonischen Diskriminanzfunktionen werden in dieser Analyse verwendet.

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 2	,133	130,054	12	,000
2	,401	58,922	5	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion	
	1	2
L&L - Learning Preferences: Seminars	,461	-,328
L&L - Learning Preferences: Web Ex	,592	-,155
L&L - Learning Preferences: Elearning (Tutorials)	,675	-,470
L&L - Learning Preferences: Documents	,276	,118
L&L - Learning Preferences: Learning by Doing	-,009	,048
L&L - Learning Preferences: Books	,537	,788

Struktur-Matrix

	Funktion	
	1	2
L&L - Learning Preferences: Elearning (Tutorials)	,534*	-,312
L&L - Learning Preferences: Web Ex	,481*	-,387
L&L - Learning Preferences: Books	,458	,843*
L&L - Learning Preferences: Documents	,119	,363*
L&L - Learning Preferences: Seminars	,165	-,244*
L&L - Learning Preferences: Learning by Doing	,100	,142*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen
Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion	
	1	2
L&L - Learning Preferences: Seminars	,592	-,420
L&L - Learning Preferences: Web Ex	,790	-,207
L&L - Learning Preferences: Elearning (Tutorials)	,883	-,615
L&L - Learning Preferences: Documents	,362	,155
L&L - Learning Preferences: Learning by Doing	-,014	,074
L&L - Learning Preferences: Books	,849	1,246
(Konstant)	-7,162	-1,475

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion	
Cluster-Nr. des Falls	1	2
1	-1,559	-1,629
2	1,906	-,476
3	-,577	1,288

Nicht-standardisierte kanonische Diskriminanzfunktionen, die bezüglich des Gruppen-Mittelwertes bewertet werden

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		70
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		70

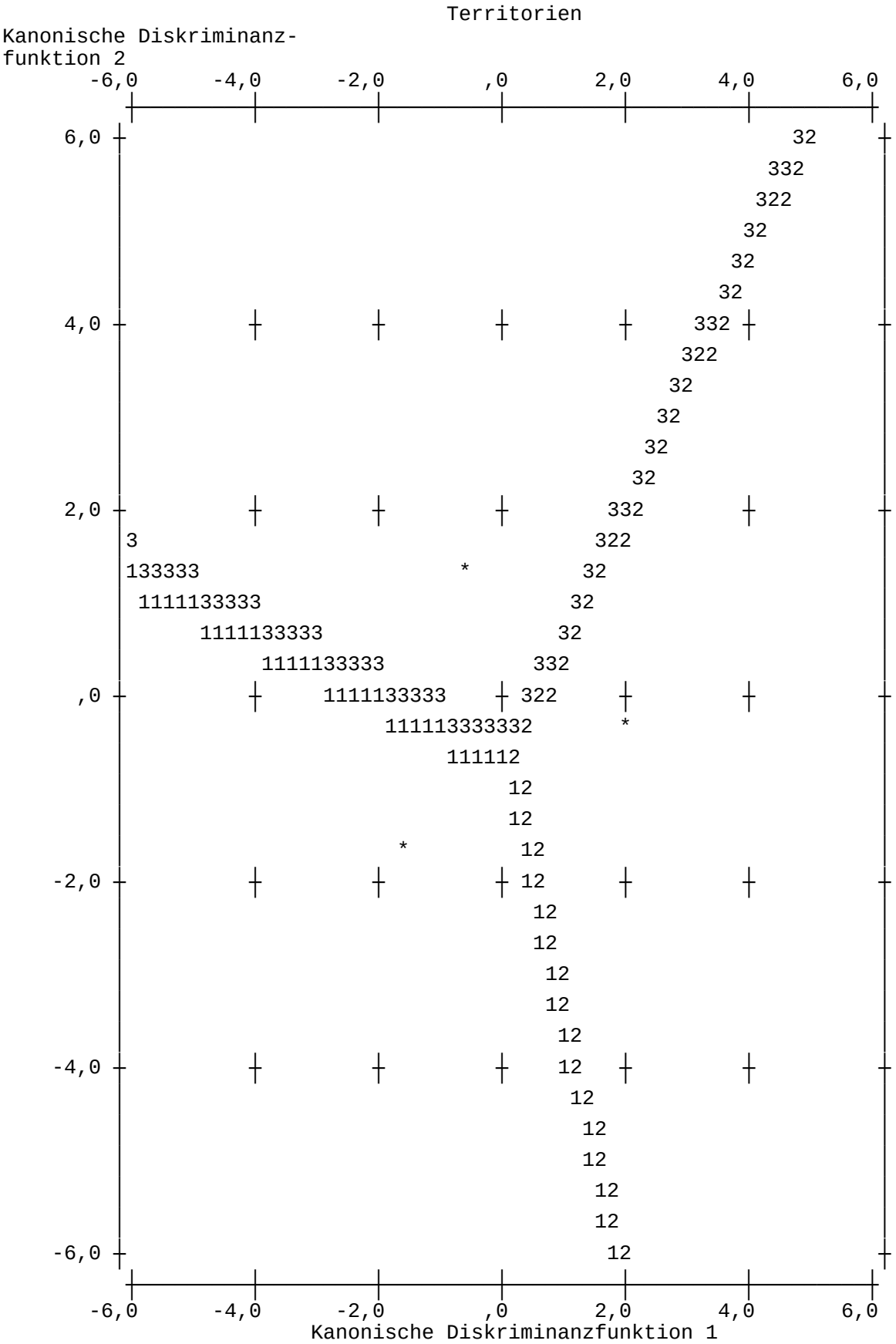
A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,333	17	17,000
2	,333	23	23,000
3	,333	30	30,000
Gesamt	1,000	70	70,000

Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls		
	1	2	3
L&L - Learning Preferences: Seminars	7,621	9,186	6,975
L&L - Learning Preferences: Web Ex	2,246	4,744	2,418
L&L - Learning Preferences: Elearning (Tutorials)	5,606	7,958	4,680
L&L - Learning Preferences: Documents	6,111	7,542	6,917
L&L - Learning Preferences: Learning by Doing	7,088	7,125	7,290
L&L - Learning Preferences: Books	1,753	6,130	6,218
(Konstant)	-37,633	-63,536	-47,420

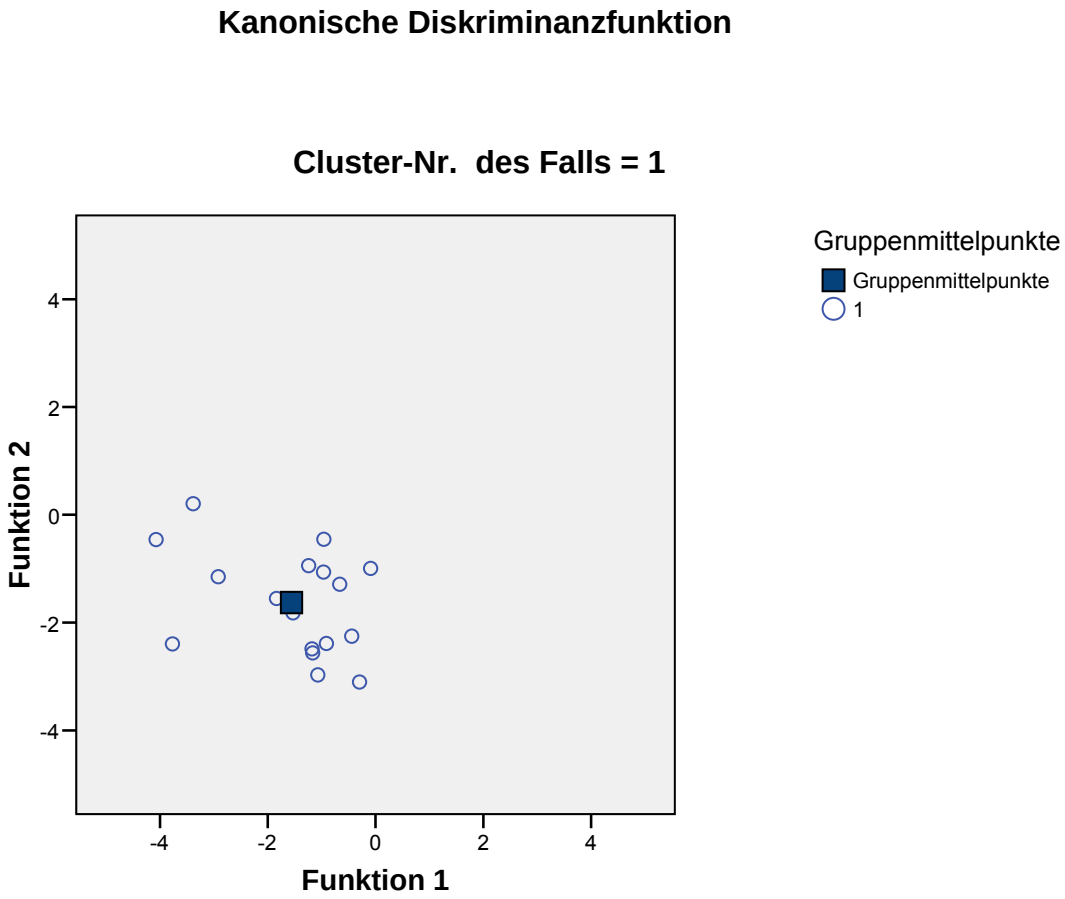
Lineare Diskriminanzfunktionen nach Fisher


Territorien
Kanonische Diskriminanz-
funktion 2
-6,0
-4,0
-2,0
,0
2,0
4,0
6,0
Kanonische Diskriminanzfunktion 1

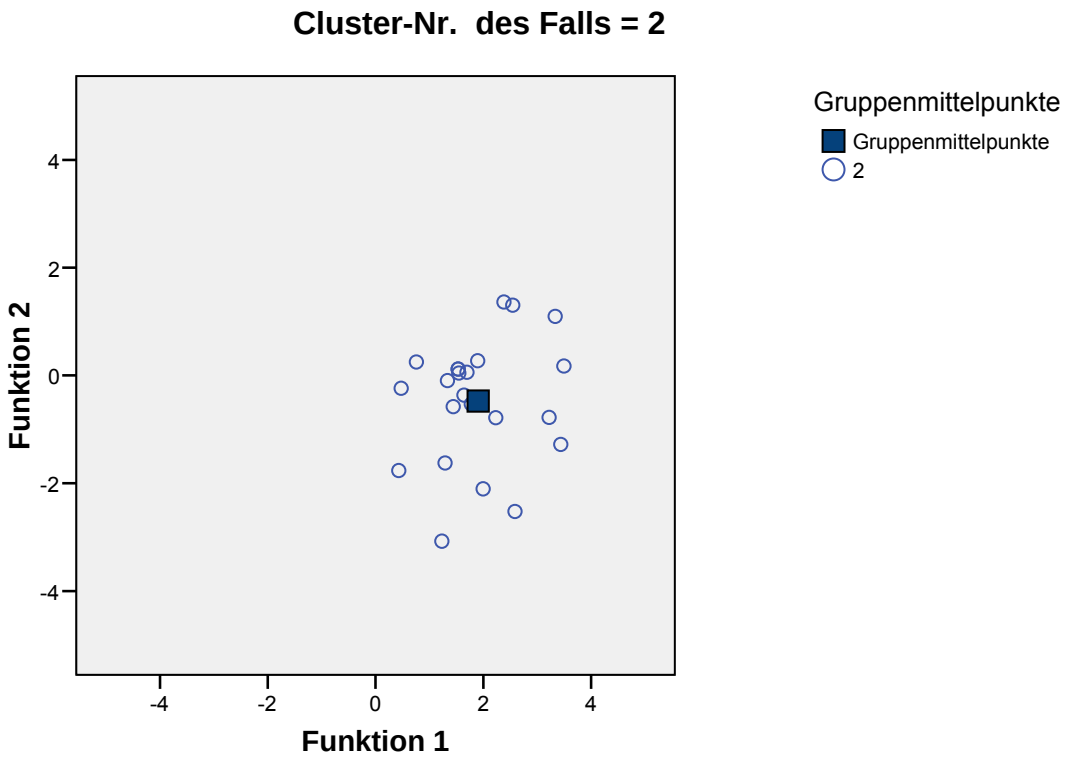
Symbole für Territorien

Symbol	Grp.	Label
1	1	
2	2	
3	3	
*		Markiert Gruppenzentroide

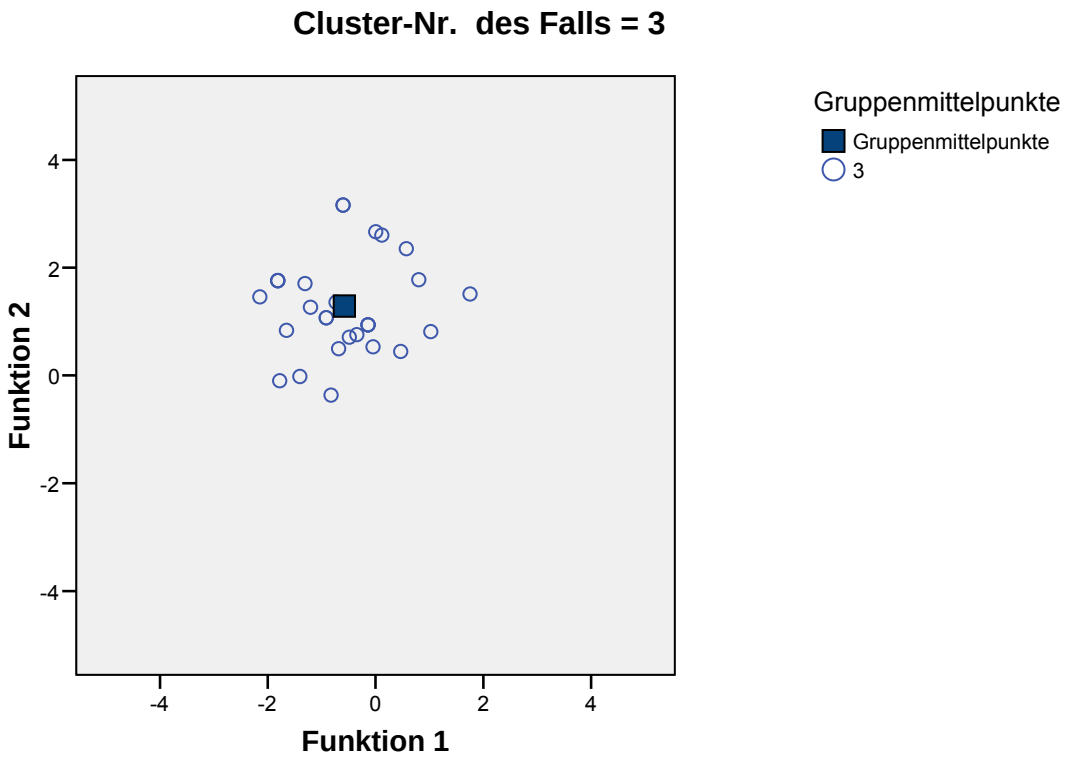
Graphische Darstellung getrennter Gruppen



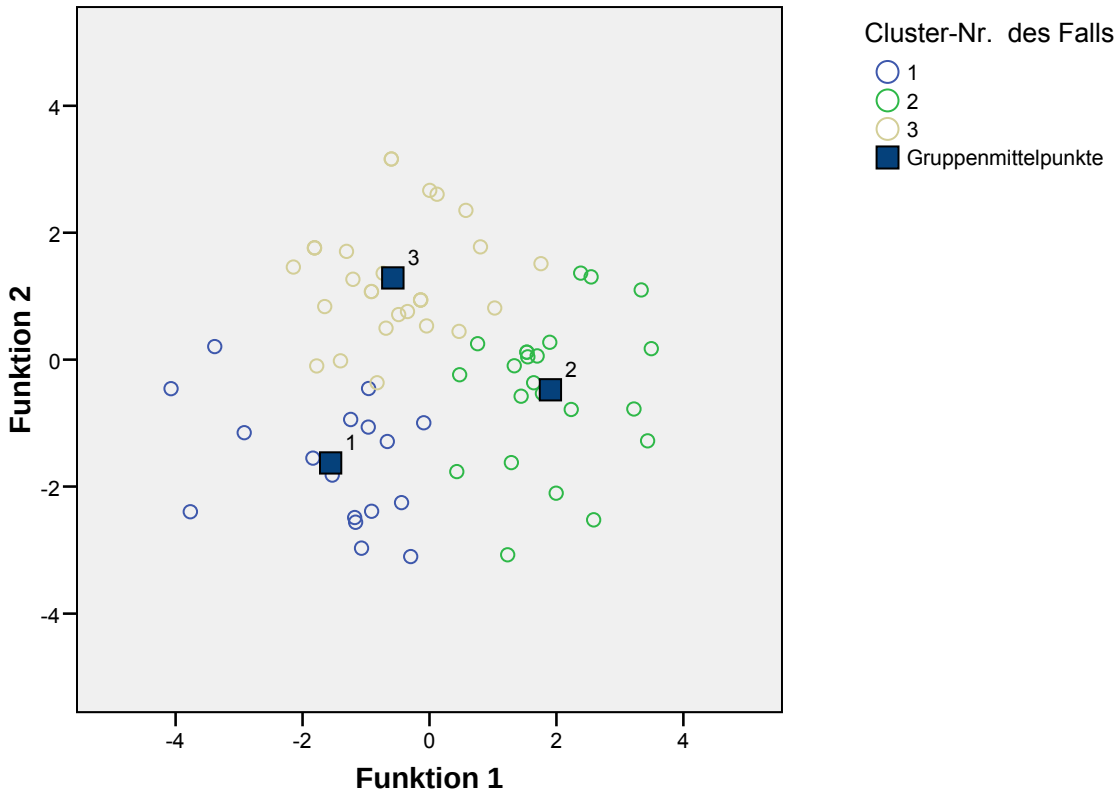
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

			Vorhergesagte Gruppenzugehörigkeit			
		Cluster-Nr. des Falls	1	2	3	Gesamt
Original	Anzahl	1	17	0	0	17
		2	0	23	0	23
		3	2	2	26	30
	%	1	100,0	,0	,0	100,0
		2	,0	100,0	,0	100,0
		3	6,7	6,7	86,7	100,0
Kreuzvalidiert[a]	Anzahl	1	15	0	2	17
		2	2	20	1	23
		3	3	2	25	30
	%	1	88,2	,0	11,8	100,0
		2	8,7	87,0	4,3	100,0
		3	10,0	6,7	83,3	100,0

a. Die Kreuzvalidierung wird nur für Fälle in dieser Analyse vorgenommen. In der Kreuzvalidierung ist jeder Fall durch die Funktionen klassifiziert, die von allen anderen Fällen außer diesem Fall abgeleitet werden.

b. 94,3% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 85,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		70	100,0
Ausgeschlossen	Gruppencodes fehlend oder außerhalb des Bereichs	0	,0
	Mindestens eine fehlende Diskriminanz-Variable	0	,0
	Beide fehlenden oder außerhalb des Bereichs liegenden Gruppencodes und mindestens eine fehlende Diskriminanz-Variable	0	,0
	Gesamtzahl der ausgeschlossenen	0	,0
Gesamtzahl der Fälle		70	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Learning Preferences: Seminars	1,20	,837	5	5,000
	L&L - Learning Preferences: Web Ex	,20	,447	5	5,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,40	,894	5	5,000
	L&L - Learning Preferences: Documents	3,20	,837	5	5,000
	L&L - Learning Preferences: Learning by Doing	3,60	,548	5	5,000
	L&L - Learning Preferences: Books	3,00	,707	5	5,000
2	L&L - Learning Preferences: Seminars	3,58	,504	26	26,000
	L&L - Learning Preferences: Web Ex	1,73	,919	26	26,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,31	,618	26	26,000
	L&L - Learning Preferences: Documents	2,46	,859	26	26,000
	L&L - Learning Preferences: Learning by Doing	3,54	,508	26	26,000
	L&L - Learning Preferences: Books	2,54	,948	26	26,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
3	L&L - Learning Preferences: Seminars	3,21	,568	28	28,000
	L&L - Learning Preferences: Web Ex	,39	,567	28	28,000
	L&L - Learning Preferences: Elearning (Tutorials)	,86	,705	28	28,000
	L&L - Learning Preferences: Documents	3,04	,838	28	28,000
	L&L - Learning Preferences: Learning by Doing	3,64	,559	28	28,000
	L&L - Learning Preferences: Books	3,14	,591	28	28,000
4	L&L - Learning Preferences: Seminars	3,09	,701	11	11,000
	L&L - Learning Preferences: Web Ex	,64	,674	11	11,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,09	,831	11	11,000
	L&L - Learning Preferences: Documents	3,00	,447	11	11,000
	L&L - Learning Preferences: Learning by Doing	2,91	,944	11	11,000
	L&L - Learning Preferences: Books	1,27	,647	11	11,000
Gesamt	L&L - Learning Preferences: Seminars	3,19	,822	70	70,000
	L&L - Learning Preferences: Web Ex	,91	,959	70	70,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,54	,988	70	70,000
	L&L - Learning Preferences: Documents	2,83	,834	70	70,000
	L&L - Learning Preferences: Learning by Doing	3,49	,654	70	70,000
	L&L - Learning Preferences: Books	2,61	,982	70	70,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Learning Preferences: Seminars	,489	23,011	3	66	,000
L&L - Learning Preferences: Web Ex	,554	17,747	3	66	,000
L&L - Learning Preferences: Elearning (Tutorials)	,491	22,811	3	66	,000
L&L - Learning Preferences: Documents	,881	2,979	3	66	,038
L&L - Learning Preferences: Learning by Doing	,848	3,948	3	66	,012
L&L - Learning Preferences: Books	,572	16,477	3	66	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)	L&L - Learning Preferences: Documents
Kovarianz	L&L - Learning Preferences: Seminars	,345	-,018	-,034	-,020
	L&L - Learning Preferences: Web Ex	-,018	,532	,056	,040
	L&L - Learning Preferences: Elearning (Tutorials)	-,034	,056	,501	,061
	L&L - Learning Preferences: Documents	-,020	,040	,061	,640
	L&L - Learning Preferences: Learning by Doing	,039	-,004	,002	,020
	L&L - Learning Preferences: Books	-,079	-,026	,136	,324
Korrelation	L&L - Learning Preferences: Seminars	1,000	-,041	-,082	-,043
	L&L - Learning Preferences: Web Ex	-,041	1,000	,108	,068
	L&L - Learning Preferences: Elearning (Tutorials)	-,082	,108	1,000	,108
	L&L - Learning Preferences: Documents	-,043	,068	,108	1,000
	L&L - Learning Preferences: Learning by Doing	,107	-,009	,005	,040
	L&L - Learning Preferences: Books	-,177	-,047	,253	,534

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Kovarianz	L&L - Learning Preferences: Seminars	,039	-,079
	L&L - Learning Preferences: Web Ex	-,004	-,026
	L&L - Learning Preferences: Elearning (Tutorials)	,002	,136
	L&L - Learning Preferences: Documents	,020	,324
	L&L - Learning Preferences: Learning by Doing	,379	,018
	L&L - Learning Preferences: Books	,018	,577
Korrelation	L&L - Learning Preferences: Seminars	,107	-,177
	L&L - Learning Preferences: Web Ex	-,009	-,047
	L&L - Learning Preferences: Elearning (Tutorials)	,005	,253
	L&L - Learning Preferences: Documents	,040	,534
	L&L - Learning Preferences: Learning by Doing	1,000	,038
	L&L - Learning Preferences: Books	,038	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 66.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
1	L&L - Learning Preferences: Seminars	,700	-,050	-,100
	L&L - Learning Preferences: Web Ex	-,050	,200	-,350
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	-,350	,800
	L&L - Learning Preferences: Documents	-,300	-,050	-,100
	L&L - Learning Preferences: Learning by Doing	,350	-,150	,200
	L&L - Learning Preferences: Books	,000	,000	-,250
2	L&L - Learning Preferences: Seminars	,254	,002	-,065
	L&L - Learning Preferences: Web Ex	,002	,845	-,034
	L&L - Learning Preferences: Elearning (Tutorials)	-,065	-,034	,382
	L&L - Learning Preferences: Documents	-,157	,009	,092
	L&L - Learning Preferences: Learning by Doing	-,003	,071	-,012
	L&L - Learning Preferences: Books	-,163	-,089	,228
3	L&L - Learning Preferences: Seminars	,323	-,050	,069
	L&L - Learning Preferences: Web Ex	-,050	,321	,132
	L&L - Learning Preferences: Elearning (Tutorials)	,069	,132	,497
	L&L - Learning Preferences: Documents	,140	,097	,116
	L&L - Learning Preferences: Learning by Doing	-,069	-,003	,095
	L&L - Learning Preferences: Books	,005	,016	,058
4	L&L - Learning Preferences: Seminars	,491	,036	-,209
	L&L - Learning Preferences: Web Ex	,036	,455	,236
	L&L - Learning Preferences: Elearning (Tutorials)	-,209	,236	,691
	L&L - Learning Preferences: Documents	,000	,000	-,100
	L&L - Learning Preferences: Learning by Doing	,309	-,136	-,291
	L&L - Learning Preferences: Books	-,127	,009	,273

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
Gesamt	L&L - Learning Preferences: Seminars	,675	,205	-,044
	L&L - Learning Preferences: Web Ex	,205	,920	,410
	L&L - Learning Preferences: Elearning (Tutorials)	-,044	,410	,976
	L&L - Learning Preferences: Documents	-,127	-,145	-,094
	L&L - Learning Preferences: Learning by Doing	,039	-,001	,022
	L&L - Learning Preferences: Books	-,116	-,120	,082

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
1	L&L - Learning Preferences: Seminars	-,300	,350	,000
	L&L - Learning Preferences: Web Ex	-,050	-,150	,000
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	,200	-,250
	L&L - Learning Preferences: Documents	,700	-,150	,500
	L&L - Learning Preferences: Learning by Doing	-,150	,300	,000
	L&L - Learning Preferences: Books	,500	,000	,500
2	L&L - Learning Preferences: Seminars	-,157	-,003	-,163
	L&L - Learning Preferences: Web Ex	,009	,071	-,089
	L&L - Learning Preferences: Elearning (Tutorials)	,092	-,012	,228
	L&L - Learning Preferences: Documents	,738	-,018	,542
	L&L - Learning Preferences: Learning by Doing	-,018	,258	,098
	L&L - Learning Preferences: Books	,542	,098	,898
3	L&L - Learning Preferences: Seminars	,140	-,069	,005
	L&L - Learning Preferences: Web Ex	,097	-,003	,016
	L&L - Learning Preferences: Elearning (Tutorials)	,116	,095	,058
	L&L - Learning Preferences: Documents	,702	,087	,217
	L&L - Learning Preferences: Learning by Doing	,087	,312	,016
	L&L - Learning Preferences: Books	,217	,016	,349
4	L&L - Learning Preferences: Seminars	,000	,309	-,127
	L&L - Learning Preferences: Web Ex	,000	-,136	,009
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	-,291	,273
	L&L - Learning Preferences: Documents	,200	,000	,000
	L&L - Learning Preferences: Learning by Doing	,000	,891	-,173
	L&L - Learning Preferences: Books	,000	-,173	,418

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Gesamt	L&L - Learning Preferences: Seminars	-,127	,039	-,116
	L&L - Learning Preferences: Web Ex	-,145	-,001	-,120
	L&L - Learning Preferences: Elearning (Tutorials)	-,094	,022	,082
	L&L - Learning Preferences: Documents	,695	,012	,339
	L&L - Learning Preferences: Learning by Doing	,012	,427	,176
	L&L - Learning Preferences: Books	,339	,176	,965

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 69.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	.[a]	.[b]
2	6	-5,405
3	6	-6,419
4	6	-5,759
Gemeinsam innerhalb der Gruppen	6	-4,842

Die Ränge und natürlichen Logarithmen der ausgegebenen Determinanten sind die der Gruppen-Kovarianz-Matrizen.

a. Rang < 5

b. Zu wenig Fälle für Nicht-Singularität

Textergebnisse[a]

Box-M		89,105
F	Näherungswert	1,733
	df1	42
	df2	3306,640
	Signifikanz	,002

Testet die Null-Hypothese der Kovarianz-Matrizen gleicher Grundgesamtheit.

a. Einige der Kovarianz-Matrizen sind singulär, so daß die übliche Vorgehensweise ungeeignet ist. Die nicht-singulären Gruppen werden gegenüber der eigenen gemeinsamen Kovarianzmatrix innerhalb der Gruppen getestet. Der Logarithmus der Determinanten ist -4,467.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,054[a]	46,6	46,6	,820
2	1,438[a]	32,6	79,2	,768
3	,915[a]	20,8	100,0	,691

a. Die ersten 3 kanonischen Diskriminanzfunktionen werden in dieser Analyse verwendet.

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 3	,070	170,077	18	,000
2 bis 3	,214	98,615	10	,000
3	,522	41,567	4	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion		
	1	2	3
L&L - Learning Preferences: Seminars	,568	,418	-,597
L&L - Learning Preferences: Web Ex	,623	,003	-,021
L&L - Learning Preferences: Elearning (Tutorials)	,477	-,576	,434
L&L - Learning Preferences: Documents	-,432	-,443	-,345
L&L - Learning Preferences: Learning by Doing	,004	,203	,337
L&L - Learning Preferences: Books	,199	1,030	,488

Struktur-Matrix

	Funktion		
	1	2	3
L&L - Learning Preferences: Web Ex	,613*	-,157	,001
L&L - Learning Preferences: Documents	-,255*	,034	,000
L&L - Learning Preferences: Books	-,040	,581*	,533
L&L - Learning Preferences: Seminars	,487	,324	-,667*
L&L - Learning Preferences: Elearning (Tutorials)	,501	-,396	,569*
L&L - Learning Preferences: Learning by Doing	,052	,266	,280*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen
Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion		
	1	2	3
L&L - Learning Preferences: Seminars	,967	,712	-1,017
L&L - Learning Preferences: Web Ex	,854	,004	-,029
L&L - Learning Preferences: Elearning (Tutorials)	,673	-,813	,613
L&L - Learning Preferences: Documents	-,540	-,554	-,431
L&L - Learning Preferences: Learning by Doing	,007	,330	,548
L&L - Learning Preferences: Books	,263	1,356	,643
(Konstant)	-4,085	-4,145	-,051

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion		
Cluster-Nr. des Falls	1	2	3
1	-2,052	-1,758	2,715
2	1,769	-,222	,186
3	-,851	1,230	-,098
4	-1,082	-1,806	-1,425

Nicht-standardisierte kanonische Diskriminanzfunktionen, die bezüglich des Gruppen-Mittelwertes bewertet werden

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		70
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		70

A-priori-Wahrscheinlichkeiten der Gruppen

		In der Analyse verwendete Fälle	
Cluster-Nr. des Falls	A-priori	Ungewichtet	Gewichtet
1	,250	5	5,000
2	,250	26	26,000
3	,250	28	28,000
4	,250	11	11,000
Gesamt	1,000	70	70,000

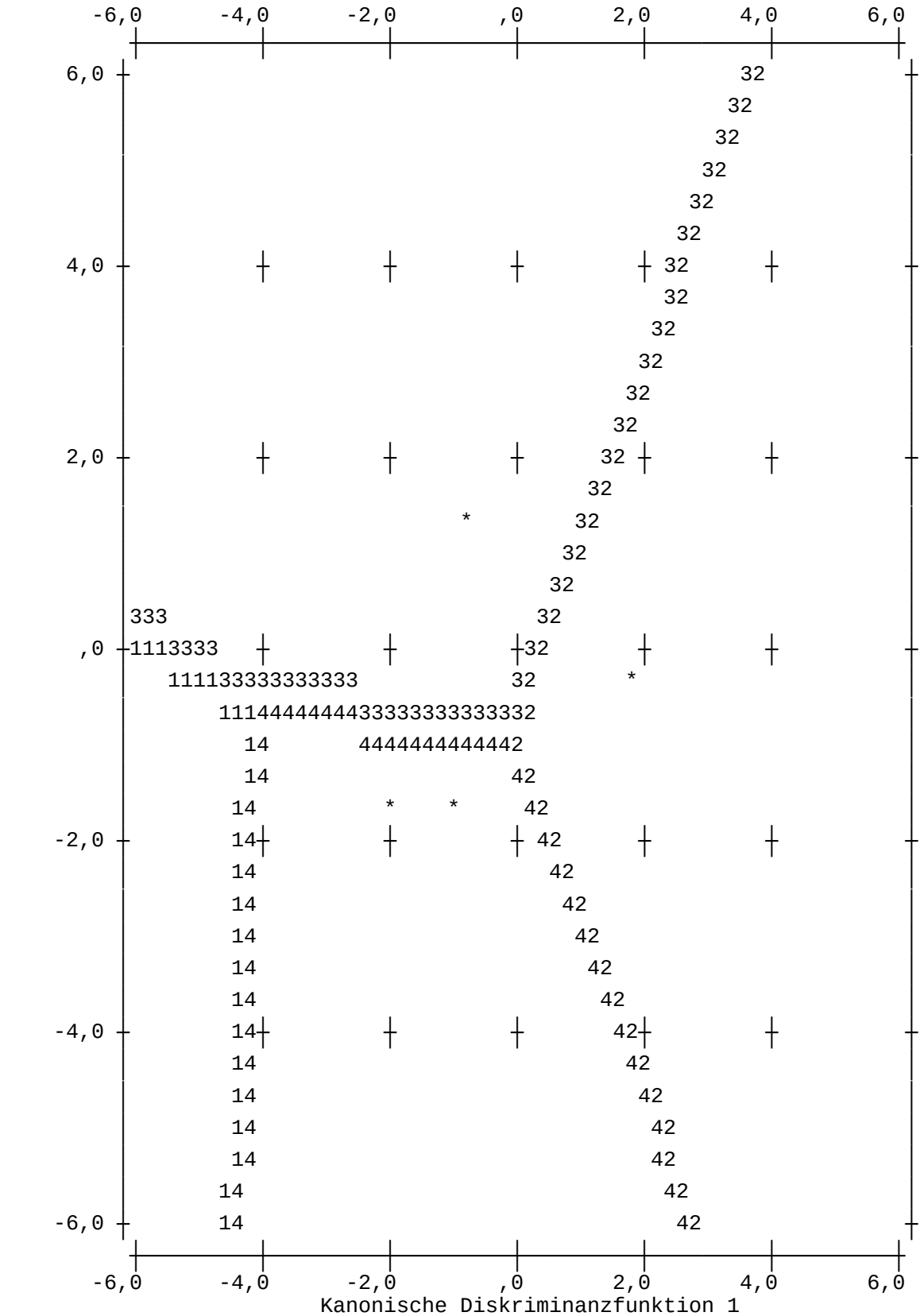
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls			
	1	2	3	4
L&L - Learning Preferences: Seminars	3,696	11,055	9,843	8,809
L&L - Learning Preferences: Web Ex	,068	3,410	1,186	1,015
L&L - Learning Preferences: Elearning (Tutorials)	3,852	3,626	,508	2,007
L&L - Learning Preferences: Documents	3,047	1,225	1,956	4,336
L&L - Learning Preferences: Learning by Doing	8,814	7,962	8,269	6,537
L&L - Learning Preferences: Books	2,818	4,278	5,376	,346
(Konstant)	-33,201	-49,318	-44,134	-32,650

Lineare Diskriminanzfunktionen nach Fisher

Territorien

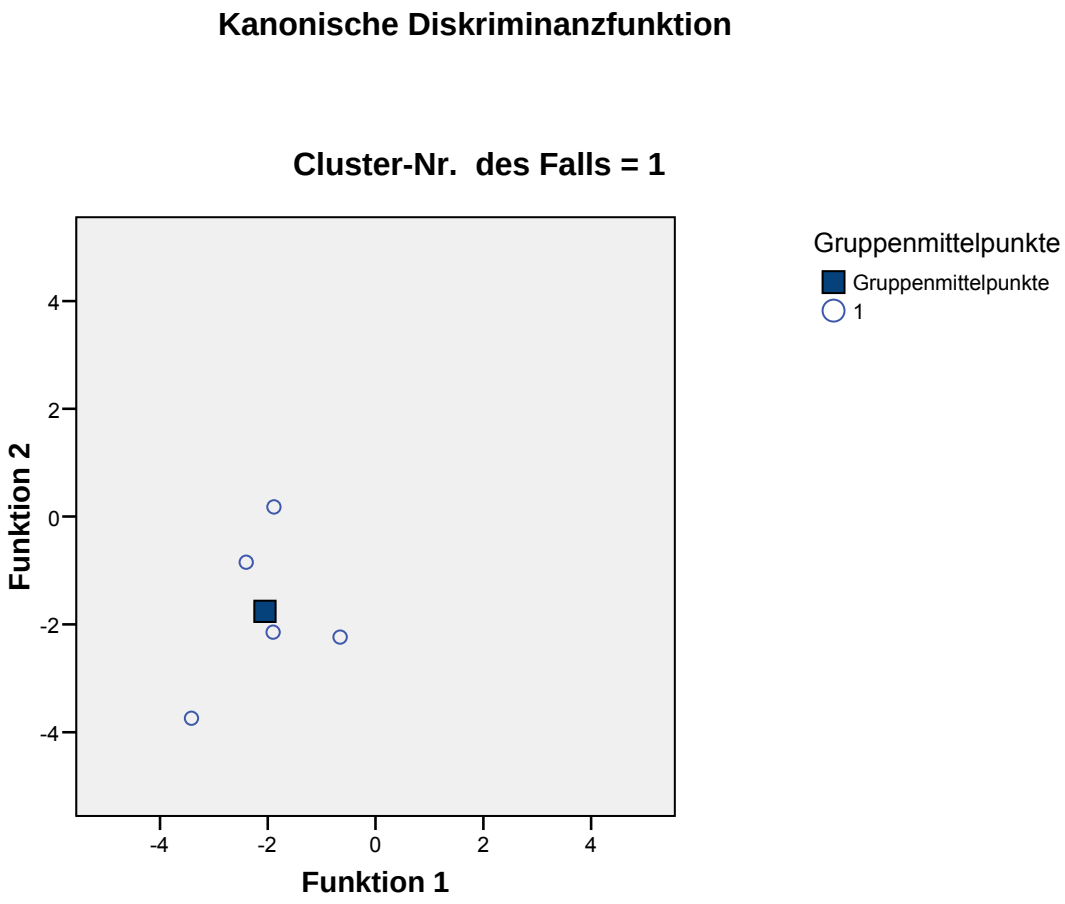
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



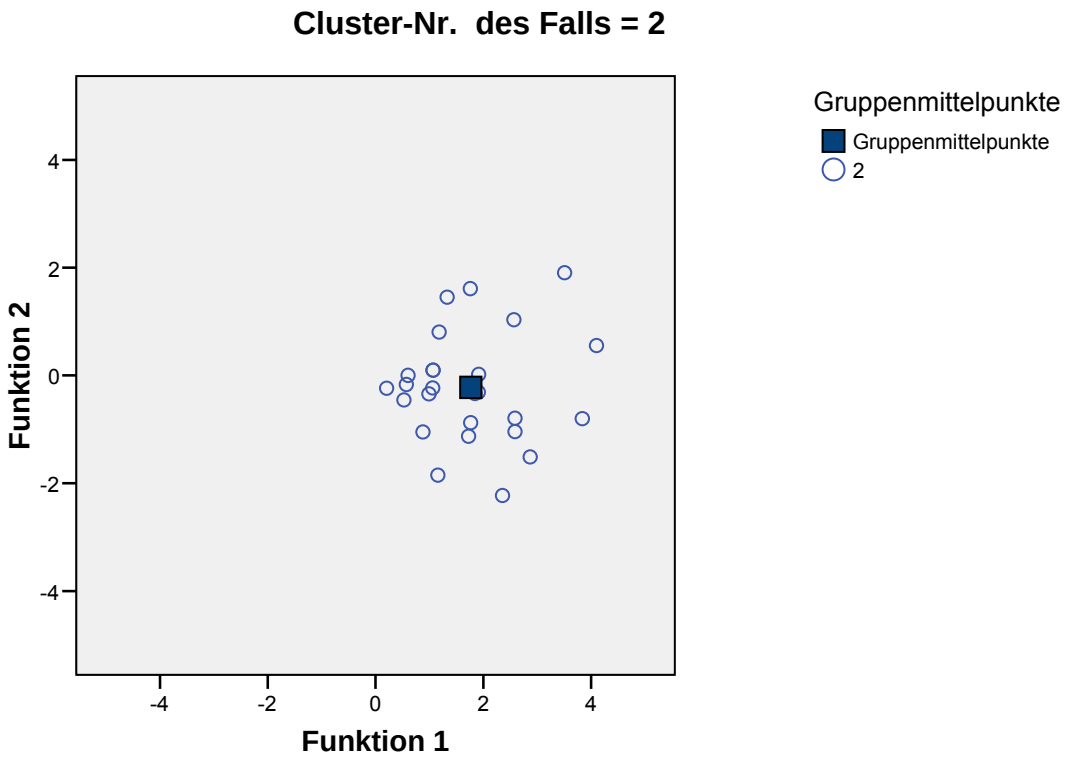
Symbole für Territorien

Symbol	Grp.	Label
1	1	
2	2	
3	3	
4	4	
*		Markiert Gruppenzentroide

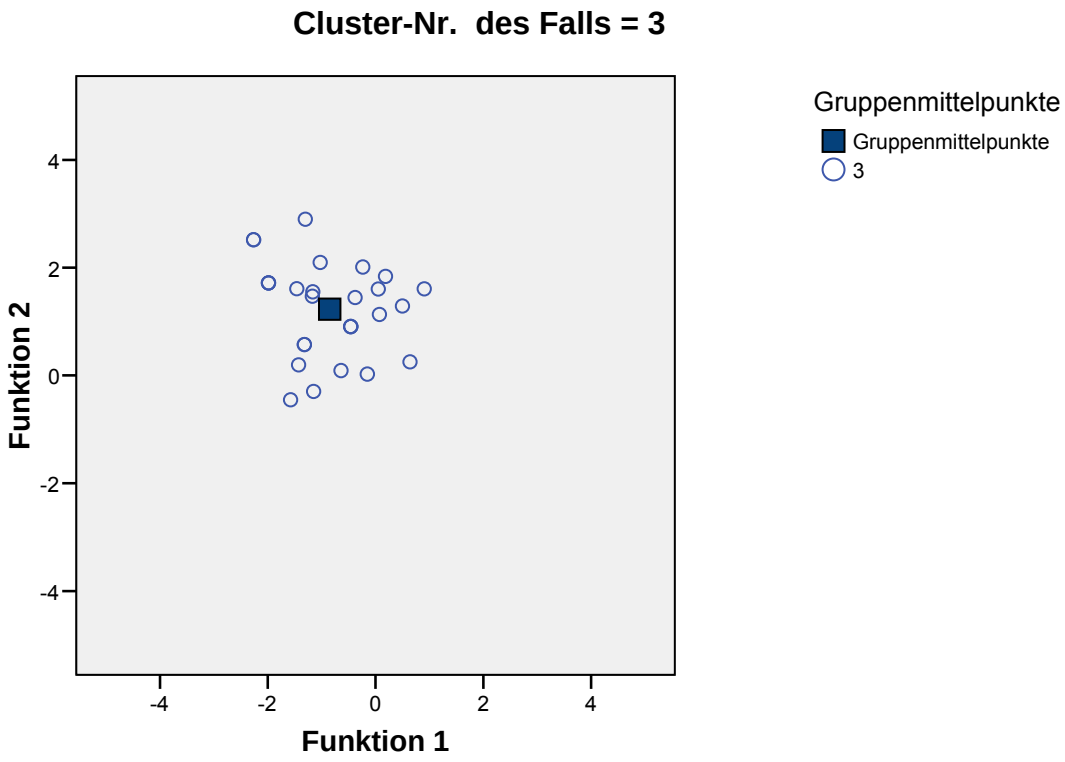
Graphische Darstellung getrennter Gruppen



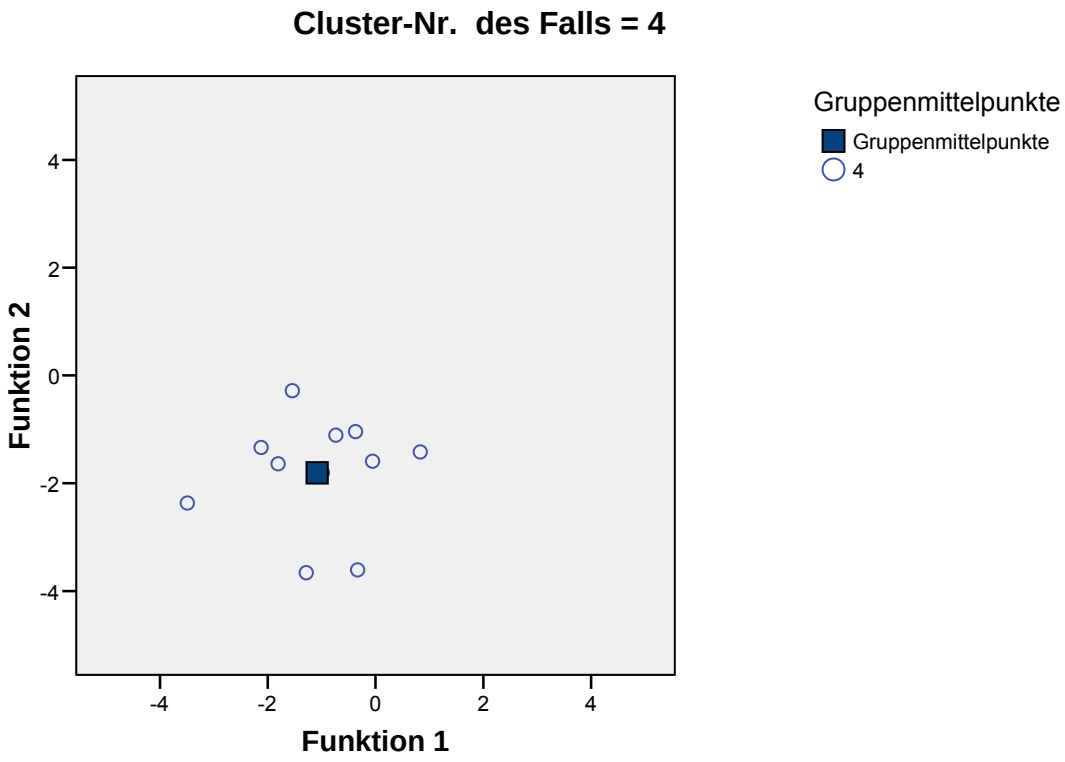
Kanonische Diskriminanzfunktion



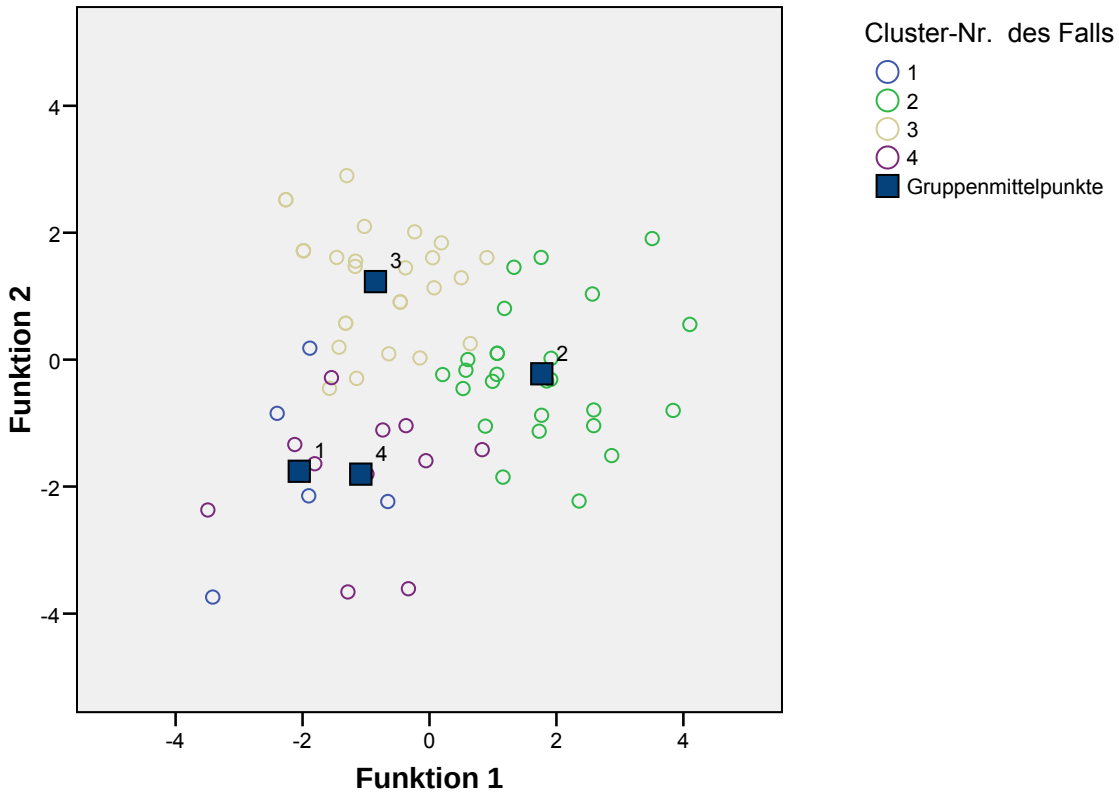
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

			Vorhergesagte Gruppenzugehörigkeit		
		Cluster-Nr. des Falls	1	2	3
Original	Anzahl	1	5	0	0
		2	0	26	0
		3	0	1	25
		4	0	0	0
	%	1	100,0	,0	,0
		2	,0	100,0	,0
		3	,0	3,6	89,3
		4	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	4	0	1
		2	0	26	0
		3	0	2	24
		4	0	1	0
	%	1	80,0	,0	20,0
		2	,0	100,0	,0
		3	,0	7,1	85,7
		4	,0	9,1	,0

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorherges 4	Gesamt
Original	Anzahl	1	0	5
		2	0	26
		3	2	28
		4	11	11
	%	1	,0	100,0
		2	,0	100,0
		3	7,1	100,0
		4	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	0	5
		2	0	26
		3	2	28
		4	10	11
	%	1	,0	100,0
		2	,0	100,0
		3	7,1	100,0
		4	90,9	100,0

a. Die Kreuzvalidierung wird nur für Fälle in dieser Analyse vorgenommen. In der Kreuzvalidierung ist jeder Fall durch die Funktionen klassifiziert, die von allen anderen Fällen außer diesem Fall abgeleitet werden.

b. 95,7% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 91,4% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		70	100,0
Ausgeschlossen	Gruppencodes fehlend oder außerhalb des Bereichs	0	,0
	Mindestens eine fehlende Diskriminanz-Variable	0	,0
	Beide fehlenden oder außerhalb des Bereichs liegenden Gruppencodes und mindestens eine fehlende Diskriminanz-Variable	0	,0
	Gesamtzahl der ausgeschlossenen	0	,0
Gesamtzahl der Fälle		70	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
1	L&L - Learning Preferences: Seminars	1,20	,837	5	5,000
	L&L - Learning Preferences: Web Ex	,20	,447	5	5,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
1	L&L - Learning Preferences: Elearning (Tutorials)	2,40	,894	5	5,000
	L&L - Learning Preferences: Documents	3,20	,837	5	5,000
	L&L - Learning Preferences: Learning by Doing	3,60	,548	5	5,000
	L&L - Learning Preferences: Books	3,00	,707	5	5,000
2	L&L - Learning Preferences: Seminars	2,71	,488	7	7,000
	L&L - Learning Preferences: Web Ex	,71	,488	7	7,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,71	,951	7	7,000
	L&L - Learning Preferences: Documents	2,71	,488	7	7,000
	L&L - Learning Preferences: Learning by Doing	2,43	,787	7	7,000
	L&L - Learning Preferences: Books	1,57	,535	7	7,000
3	L&L - Learning Preferences: Seminars	3,16	,554	25	25,000
	L&L - Learning Preferences: Web Ex	,28	,458	25	25,000
	L&L - Learning Preferences: Elearning (Tutorials)	,80	,645	25	25,000
	L&L - Learning Preferences: Documents	3,04	,735	25	25,000
	L&L - Learning Preferences: Learning by Doing	3,60	,577	25	25,000
	L&L - Learning Preferences: Books	3,12	,600	25	25,000
4	L&L - Learning Preferences: Seminars	3,82	,405	11	11,000
	L&L - Learning Preferences: Web Ex	1,18	1,079	11	11,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,09	,831	11	11,000
	L&L - Learning Preferences: Documents	2,00	1,000	11	11,000
	L&L - Learning Preferences: Learning by Doing	3,64	,505	11	11,000
	L&L - Learning Preferences: Books	1,09	,539	11	11,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
5	L&L - Learning Preferences: Seminars	3,50	,512	22	22,000
	L&L - Learning Preferences: Web Ex	1,73	,883	22	22,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,36	,581	22	22,000
	L&L - Learning Preferences: Documents	2,95	,722	22	22,000
	L&L - Learning Preferences: Learning by Doing	3,59	,503	22	22,000
	L&L - Learning Preferences: Books	3,05	,575	22	22,000
Gesamt	L&L - Learning Preferences: Seminars	3,19	,822	70	70,000
	L&L - Learning Preferences: Web Ex	,91	,959	70	70,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,54	,988	70	70,000
	L&L - Learning Preferences: Documents	2,83	,834	70	70,000
	L&L - Learning Preferences: Learning by Doing	3,49	,654	70	70,000
	L&L - Learning Preferences: Books	2,61	,982	70	70,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Learning Preferences: Seminars	,402	24,178	4	65	,000
L&L - Learning Preferences: Web Ex	,556	13,001	4	65	,000
L&L - Learning Preferences: Elearning (Tutorials)	,484	17,303	4	65	,000
L&L - Learning Preferences: Documents	,796	4,175	4	65	,005
L&L - Learning Preferences: Learning by Doing	,705	6,810	4	65	,000
L&L - Learning Preferences: Books	,334	32,450	4	65	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)	L&L - Learning Preferences: Documents
Kovarianz	L&L - Learning Preferences: Seminars	,288	-,024	,046	-,007
	L&L - Learning Preferences: Web Ex	-,024	,543	,099	-,082
	L&L - Learning Preferences: Elearning (Tutorials)	,046	,099	,502	-,160
	L&L - Learning Preferences: Documents	-,007	-,082	-,160	,587
	L&L - Learning Preferences: Learning by Doing	-,021	-,026	,051	,004
	L&L - Learning Preferences: Books	,005	-,055	-,011	,063
Korrelation	L&L - Learning Preferences: Seminars	1,000	-,059	,122	-,016
	L&L - Learning Preferences: Web Ex	-,059	1,000	,190	-,145
	L&L - Learning Preferences: Elearning (Tutorials)	,122	,190	1,000	-,295
	L&L - Learning Preferences: Documents	-,016	-,145	-,295	1,000
	L&L - Learning Preferences: Learning by Doing	-,069	-,062	,126	,009
	L&L - Learning Preferences: Books	,017	-,129	-,026	,140

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Kovarianz	L&L - Learning Preferences: Seminars	-,021	,005
	L&L - Learning Preferences: Web Ex	-,026	-,055
	L&L - Learning Preferences: Elearning (Tutorials)	,051	-,011
	L&L - Learning Preferences: Documents	,004	,063
	L&L - Learning Preferences: Learning by Doing	,320	,066
	L&L - Learning Preferences: Books	,066	,342
Korrelation	L&L - Learning Preferences: Seminars	-,069	,017
	L&L - Learning Preferences: Web Ex	-,062	-,129
	L&L - Learning Preferences: Elearning (Tutorials)	,126	-,026
	L&L - Learning Preferences: Documents	,009	,140
	L&L - Learning Preferences: Learning by Doing	1,000	,198
	L&L - Learning Preferences: Books	,198	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 65.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
1	L&L - Learning Preferences: Seminars	,700	-,050	-,100
	L&L - Learning Preferences: Web Ex	-,050	,200	-,350
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	-,350	,800
	L&L - Learning Preferences: Documents	-,300	-,050	-,100
	L&L - Learning Preferences: Learning by Doing	,350	-,150	,200
	L&L - Learning Preferences: Books	,000	,000	-,250
2	L&L - Learning Preferences: Seminars	,238	,071	,238
	L&L - Learning Preferences: Web Ex	,071	,238	,238
	L&L - Learning Preferences: Elearning (Tutorials)	,238	,238	,905
	L&L - Learning Preferences: Documents	-,095	,071	-,262
	L&L - Learning Preferences: Learning by Doing	-,024	-,024	,310
	L&L - Learning Preferences: Books	,190	,024	,190
3	L&L - Learning Preferences: Seminars	,307	-,088	-,008
	L&L - Learning Preferences: Web Ex	-,088	,210	,058
	L&L - Learning Preferences: Elearning (Tutorials)	-,008	,058	,417
	L&L - Learning Preferences: Documents	,077	-,053	-,033
	L&L - Learning Preferences: Learning by Doing	-,100	,033	,083
	L&L - Learning Preferences: Books	-,020	,007	-,017
4	L&L - Learning Preferences: Seminars	,164	,136	,118
	L&L - Learning Preferences: Web Ex	,136	1,164	,482
	L&L - Learning Preferences: Elearning (Tutorials)	,118	,482	,691
	L&L - Learning Preferences: Documents	,000	-,100	-,200
	L&L - Learning Preferences: Learning by Doing	-,073	-,327	-,164
	L&L - Learning Preferences: Books	-,082	-,118	,091

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
5	L&L - Learning Preferences: Seminars	,262	-,048	,048
	L&L - Learning Preferences: Web Ex	-,048	,779	,009
	L&L - Learning Preferences: Elearning (Tutorials)	,048	,009	,338
	L&L - Learning Preferences: Documents	-,024	-,156	-,268
	L&L - Learning Preferences: Learning by Doing	,024	,074	,013
	L&L - Learning Preferences: Books	,024	-,130	-,065
Gesamt	L&L - Learning Preferences: Seminars	,675	,205	-,044
	L&L - Learning Preferences: Web Ex	,205	,920	,410
	L&L - Learning Preferences: Elearning (Tutorials)	-,044	,410	,976
	L&L - Learning Preferences: Documents	-,127	-,145	-,094
	L&L - Learning Preferences: Learning by Doing	,039	-,001	,022
	L&L - Learning Preferences: Books	-,116	-,120	,082

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
1	L&L - Learning Preferences: Seminars	-,300	,350	,000
	L&L - Learning Preferences: Web Ex	-,050	-,150	,000
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	,200	-,250
	L&L - Learning Preferences: Documents	,700	-,150	,500
	L&L - Learning Preferences: Learning by Doing	-,150	,300	,000
	L&L - Learning Preferences: Books	,500	,000	,500
2	L&L - Learning Preferences: Seminars	-,095	-,024	,190
	L&L - Learning Preferences: Web Ex	,071	-,024	,024
	L&L - Learning Preferences: Elearning (Tutorials)	-,262	,310	,190
	L&L - Learning Preferences: Documents	,238	-,190	-,143
	L&L - Learning Preferences: Learning by Doing	-,190	,619	,214
	L&L - Learning Preferences: Books	-,143	,214	,286
3	L&L - Learning Preferences: Seminars	,077	-,100	-,020
	L&L - Learning Preferences: Web Ex	-,053	,033	,007
	L&L - Learning Preferences: Elearning (Tutorials)	-,033	,083	-,017
	L&L - Learning Preferences: Documents	,540	,100	,078
	L&L - Learning Preferences: Learning by Doing	,100	,333	,050
	L&L - Learning Preferences: Books	,078	,050	,360
4	L&L - Learning Preferences: Seminars	,000	-,073	-,082
	L&L - Learning Preferences: Web Ex	-,100	-,327	-,118
	L&L - Learning Preferences: Elearning (Tutorials)	-,200	-,164	,091
	L&L - Learning Preferences: Documents	1,000	,000	-,200
	L&L - Learning Preferences: Learning by Doing	,000	,255	,036
	L&L - Learning Preferences: Books	-,200	,036	,291

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
5	L&L - Learning Preferences: Seminars	-,024	,024	,024
	L&L - Learning Preferences: Web Ex	-,156	,074	-,130
	L&L - Learning Preferences: Elearning (Tutorials)	-,268	,013	-,065
	L&L - Learning Preferences: Documents	,522	-,019	,145
	L&L - Learning Preferences: Learning by Doing	-,019	,253	,067
	L&L - Learning Preferences: Books	,145	,067	,331
Gesamt	L&L - Learning Preferences: Seminars	-,127	,039	-,116
	L&L - Learning Preferences: Web Ex	-,145	-,001	-,120
	L&L - Learning Preferences: Elearning (Tutorials)	-,094	,022	,082
	L&L - Learning Preferences: Documents	,695	,012	,339
	L&L - Learning Preferences: Learning by Doing	,012	,427	,176
	L&L - Learning Preferences: Books	,339	,176	,965

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 69.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	.[a]	.[b]
2	5	.[c]
3	6	-6,906
4	6	-6,285
5	6	-6,775
Gemeinsam innerhalb der Gruppen	6	-5,557

Die Ränge und natürlichen Logarithmen der ausgegebenen Determinanten sind die der Gruppen-Kovarianz-Matrizen.

a. Rang < 5

b. Zu wenig Fälle für Nicht-Singularität

c. Singulär

Textergebnisse[a]

Box-M		88,169
F	Näherungswert	1,693
	df1	42
	df2	3461,447
	Signifikanz	,004

Testet die Null-Hypothese der Kovarianz-Matrizen gleicher Grundgesamtheit.

a. Einige der Kovarianz-Matrizen sind singulär, so daß die übliche Vorgehensweise ungeeignet ist. Die nicht-singulären Gruppen werden gegenüber der eigenen gemeinsamen Kovarianzmatrix innerhalb der Gruppen getestet. Der Logarithmus der Determinanten ist -5,140.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,899[a]	46,3	46,3	,862
2	1,743[a]	27,9	74,2	,797
3	1,335[a]	21,3	95,5	,756
4	,280[a]	4,5	100,0	,468

a. Die ersten 4 kanonischen Diskriminanzfunktionen werden in dieser Analyse verwendet.

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 4	,031	219,977	24	,000
2 bis 4	,122	133,574	15	,000
3 bis 4	,335	69,509	8	,000
4	,781	15,673	3	,001

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion			
	1	2	3	4
L&L - Learning Preferences: Seminars	-,646	,605	-,121	-,287
L&L - Learning Preferences: Web Ex	-,142	,584	,337	,056
L&L - Learning Preferences: Elearning (Tutorials)	,537	,123	,731	,072
L&L - Learning Preferences: Documents	,308	,137	,183	-,148
L&L - Learning Preferences: Learning by Doing	-,267	,204	-,227	,926
L&L - Learning Preferences: Books	,632	,533	-,478	-,188

Struktur-Matrix

	Funktion			
	1	2	3	4
L&L - Learning Preferences: Books	,615*	,525	-,562	-,040
L&L - Learning Preferences: Documents	,266*	,082	-,149	-,191
L&L - Learning Preferences: Seminars	-,548	,578*	-,048	-,347
L&L - Learning Preferences: Elearning (Tutorials)	,290	,279	,710*	,213
L&L - Learning Preferences: Web Ex	-,111	,470	,532*	,076
L&L - Learning Preferences: Learning by Doing	-,018	,249	-,240	,913*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen
Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion			
	1	2	3	4
L&L - Learning Preferences: Seminars	-1,203	1,127	-,226	-,535
L&L - Learning Preferences: Web Ex	-,193	,793	,458	,076
L&L - Learning Preferences: Elearning (Tutorials)	,757	,174	1,032	,101
L&L - Learning Preferences: Documents	,402	,178	,238	-,194
L&L - Learning Preferences: Learning by Doing	-,473	,362	-,402	1,638
L&L - Learning Preferences: Books	1,080	,912	-,817	-,322
(Konstant)	,529	-8,732	1,573	-2,840

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion			
Cluster-Nr. des Falls	1	2	3	4
1	3,688	-2,195	,734	1,086
2	,063	-2,014	1,442	-1,119
3	,168	-,120	-1,460	-,126
4	-3,204	-,637	,499	,534
5	,554	1,595	,783	-,014

Nicht-standardisierte kanonische Diskriminanzfunktionen, die bezüglich des Gruppen-Mittelwertes bewertet werden

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		70
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		70

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,200	5	5,000
2	,200	7	7,000
3	,200	25	25,000
4	,200	11	11,000
5	,200	22	22,000
Gesamt	1,000	70	70,000

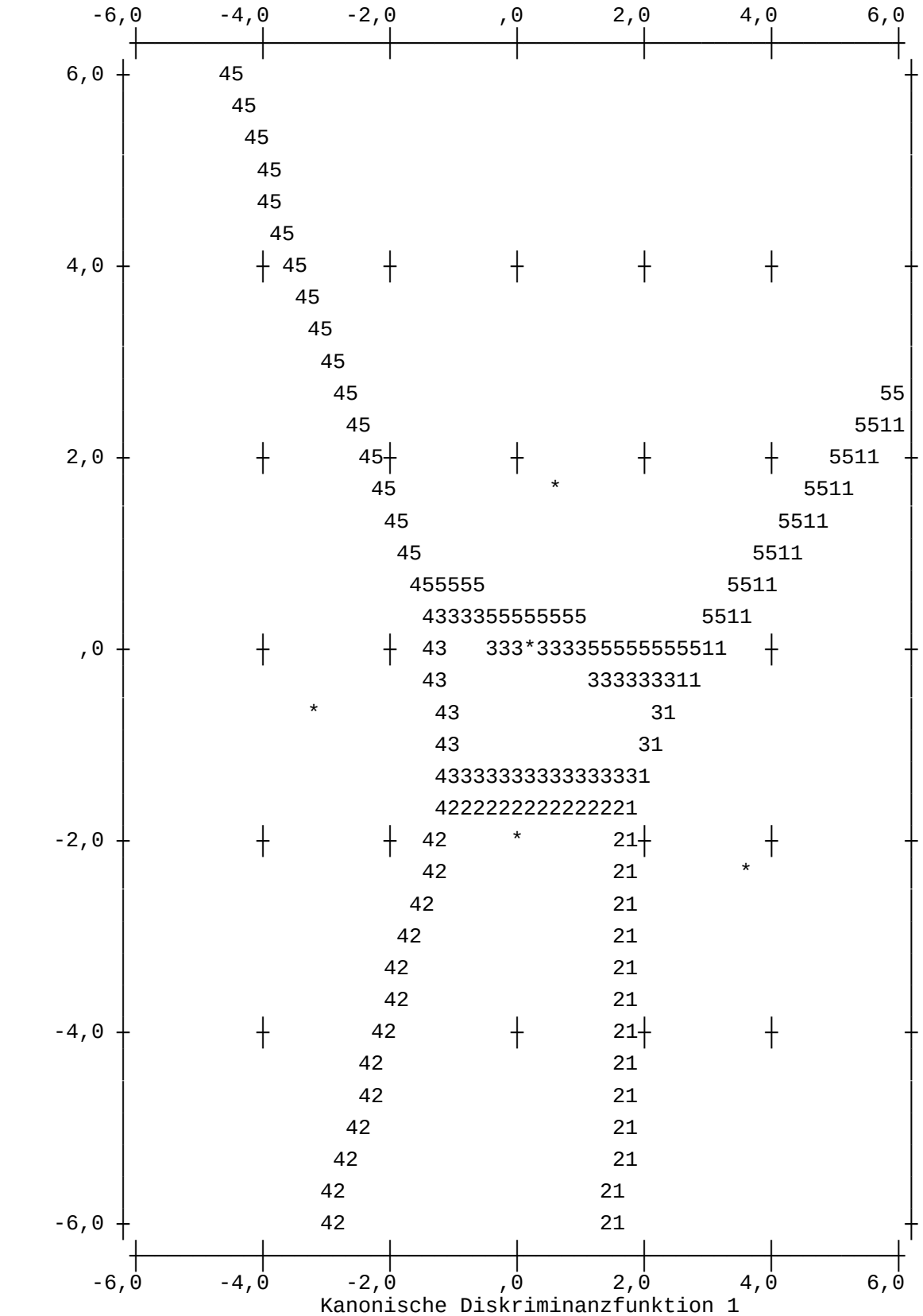
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls				
	1	2	3	4	5
L&L - Learning Preferences: Seminars	4,175	9,761	11,894	14,573	12,794
L&L - Learning Preferences: Web Ex	1,635	2,632	2,860	4,047	5,181
L&L - Learning Preferences: Elearning (Tutorials)	5,311	3,103	,618	,063	3,534
L&L - Learning Preferences: Documents	6,460	5,632	5,128	4,021	6,102
L&L - Learning Preferences: Learning by Doing	9,490	7,375	10,802	12,503	10,522
L&L - Learning Preferences: Books	6,145	2,527	6,418	,492	6,531
(Konstant)	-47,288	-37,042	-58,299	-58,879	-70,502

Lineare Diskriminanzfunktionen nach Fisher

Territorien

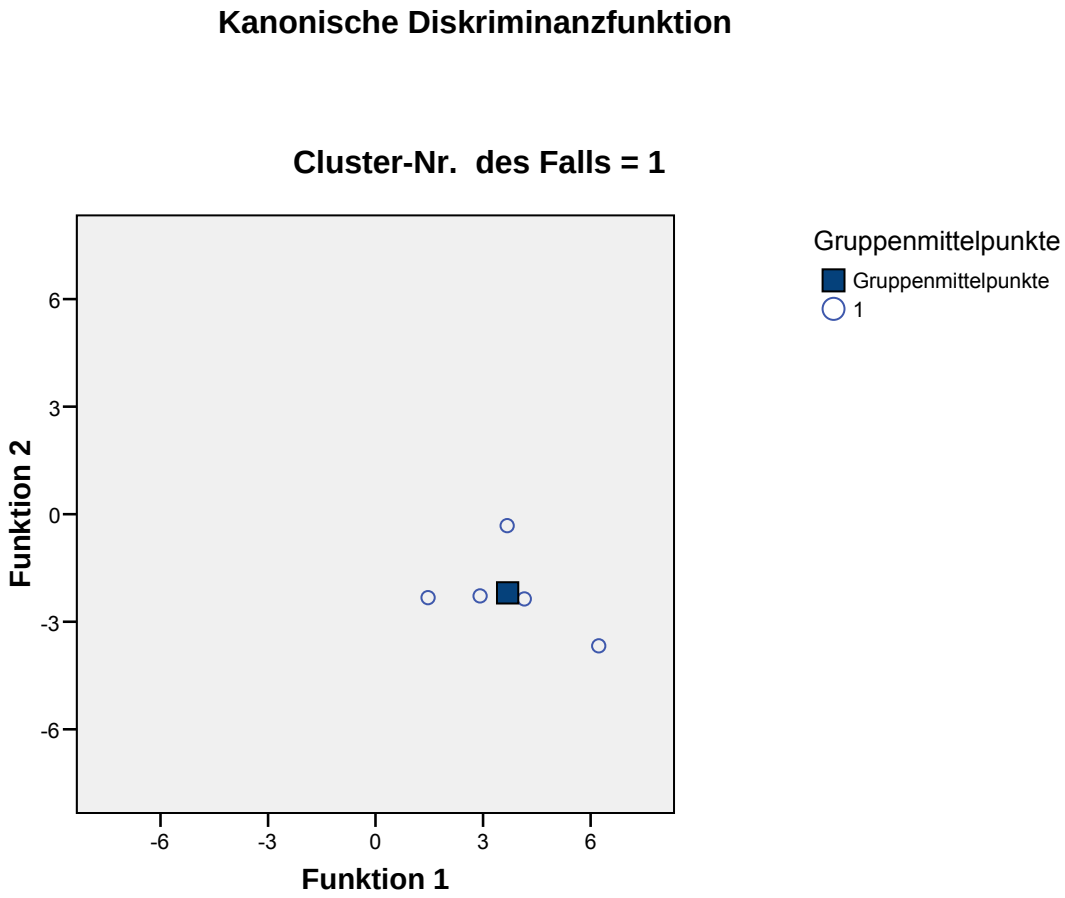
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



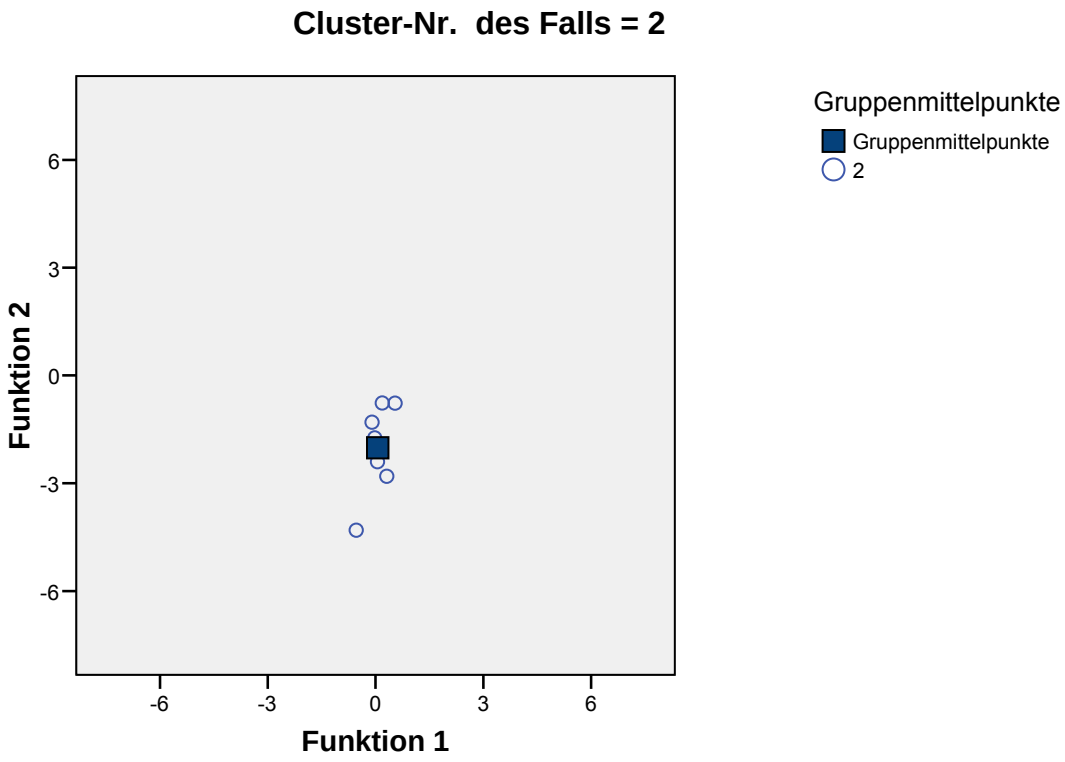
Symbole für Territorien

Symbol	Grp.	Label
1	1	
2	2	
3	3	
4	4	
5	5	
*		Markiert Gruppenzentroide

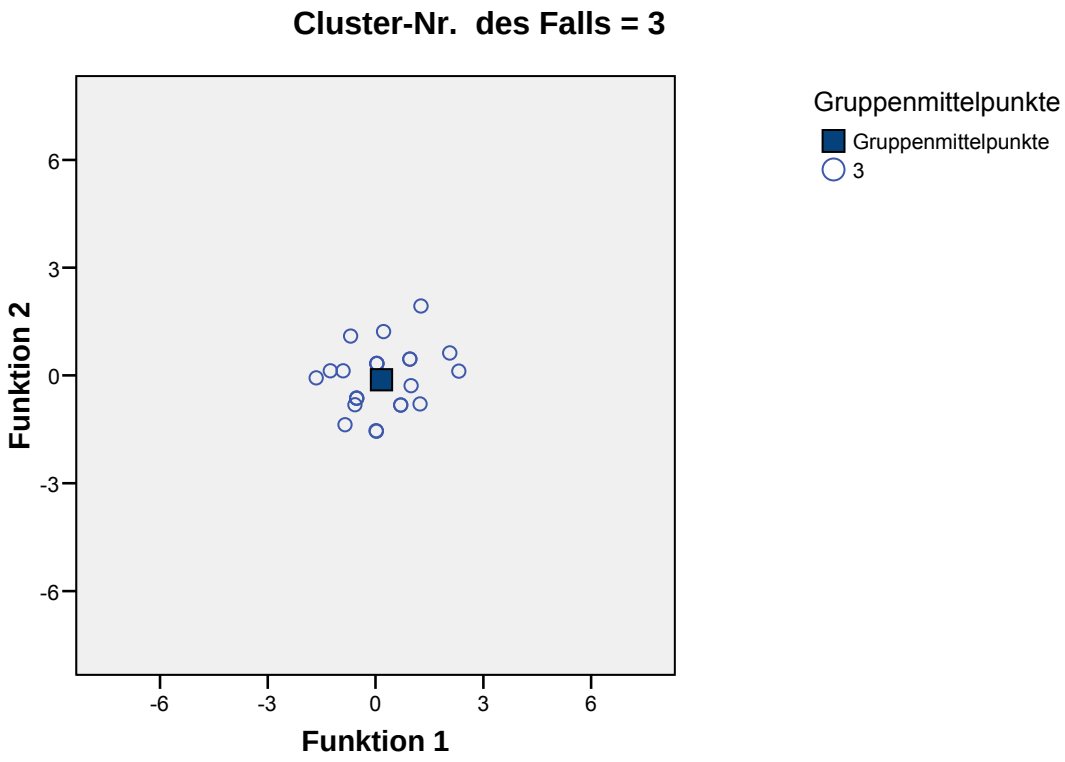
Graphische Darstellung getrennter Gruppen



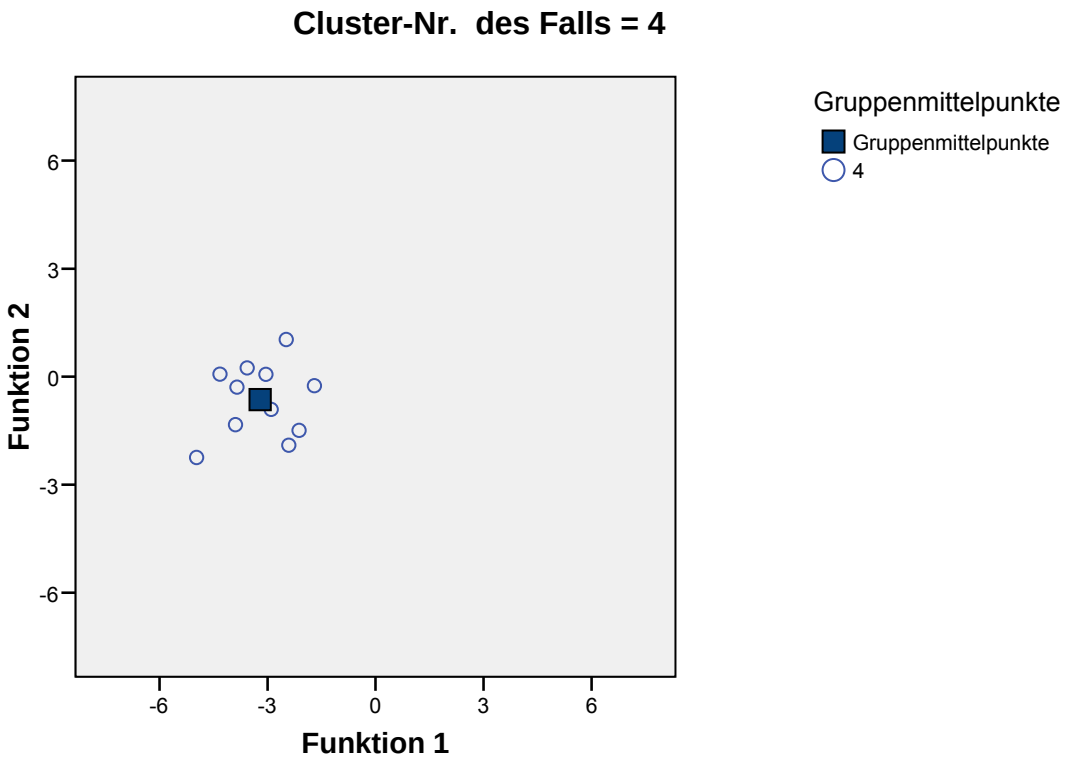
Kanonische Diskriminanzfunktion



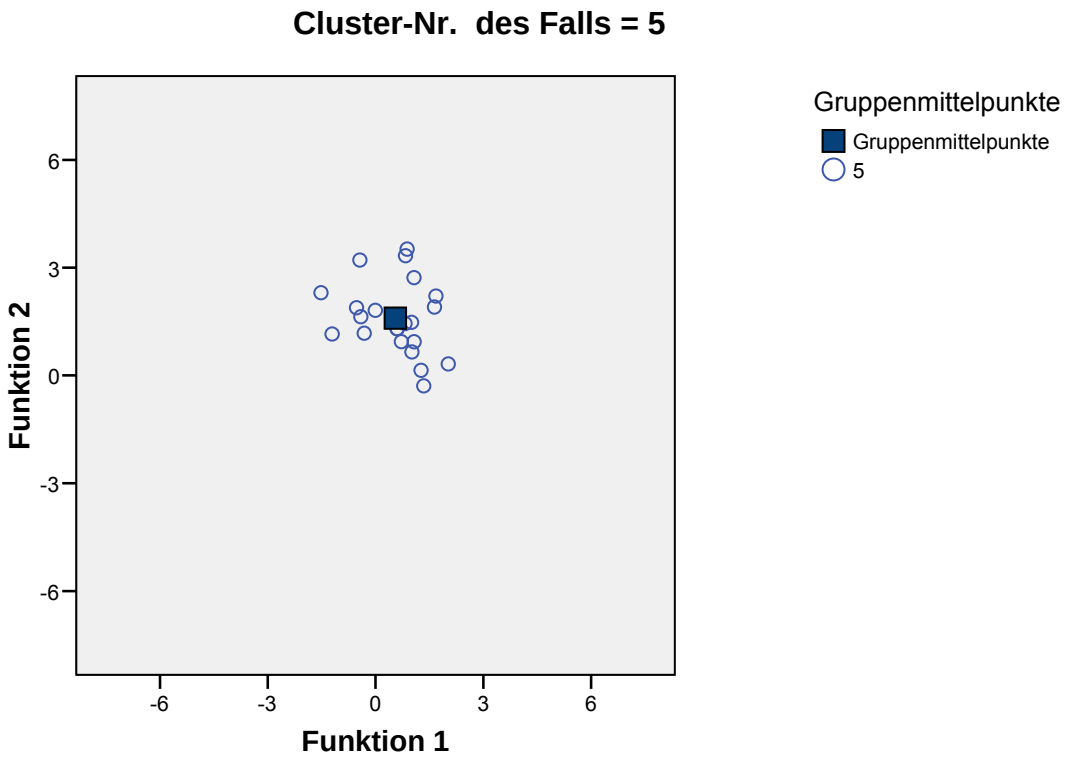
Kanonische Diskriminanzfunktion



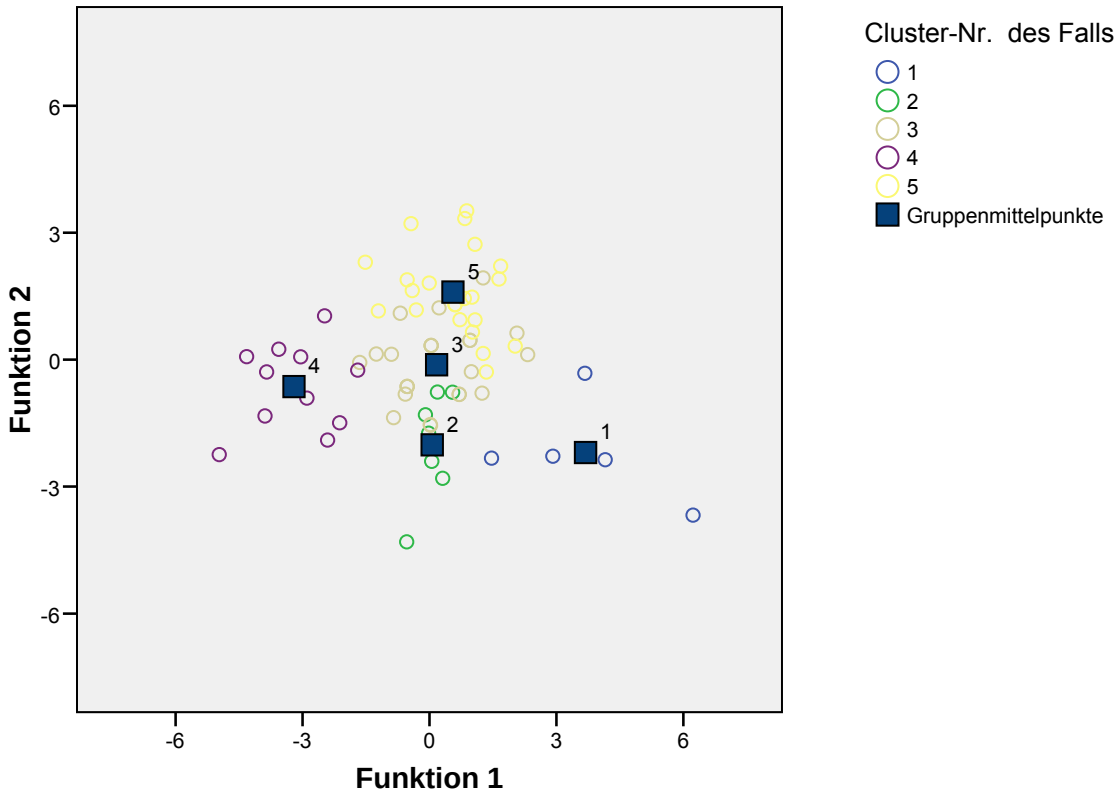
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

			Vorhergesagte Gruppenzugehörigkeit			
		Cluster-Nr. des Falls	1	2	3	4
Original	Anzahl	1	5	0	0	0
		2	0	7	0	0
		3	0	1	22	1
		4	0	0	0	11
		5	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	100,0	,0	,0
		3	,0	4,0	88,0	4,0
		4	,0	,0	,0	100,0
		5	,0	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	4	1	0	0
		2	0	7	0	0
		3	0	1	22	1
		4	0	0	1	9
		5	0	0	1	0
	%	1	80,0	20,0	,0	,0
		2	,0	100,0	,0	,0
		3	,0	4,0	88,0	4,0
		4	,0	,0	9,1	81,8
		5	,0	,0	4,5	,0

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorherges 5	Gesamt
Original	Anzahl	1	0	5
		2	0	7
		3	1	25
		4	0	11
		5	22	22
	%	1	,0	100,0
		2	,0	100,0
		3	4,0	100,0
		4	,0	100,0
		5	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	0	5
		2	0	7
		3	1	25
		4	1	11
		5	21	22
	%	1	,0	100,0
		2	,0	100,0
		3	4,0	100,0
		4	9,1	100,0
		5	95,5	100,0

a. Die Kreuzvalidierung wird nur für Fälle in dieser Analyse vorgenommen. In der Kreuzvalidierung ist jeder Fall durch die Funktionen klassifiziert, die von allen anderen Fällen außer diesem Fall abgeleitet werden.

b. 95,7% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 90,0% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

```
[DatenSet1] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work
report_ fertigeDateien\scientists results\User Analysis\L&L_LearningPreferences.sav
```

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		70	100,0
Ausgeschlossen	Gruppencodes fehlend oder außerhalb des Bereichs	0	,0
	Mindestens eine fehlende Diskriminanz-Variable	0	,0
	Beide fehlenden oder außerhalb des Bereichs liegenden Gruppencodes und mindestens eine fehlende Diskriminanz-Variable	0	,0
	Gesamtzahl der ausgeschlossenen	0	,0
Gesamtzahl der Fälle		70	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Learning Preferences: Seminars	1,20	,837	5	5,000
	L&L - Learning Preferences: Web Ex	,20	,447	5	5,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,40	,894	5	5,000
	L&L - Learning Preferences: Documents	3,20	,837	5	5,000
	L&L - Learning Preferences: Learning by Doing	3,60	,548	5	5,000
	L&L - Learning Preferences: Books	3,00	,707	5	5,000
2	L&L - Learning Preferences: Seminars	3,78	,441	9	9,000
	L&L - Learning Preferences: Web Ex	2,11	,782	9	9,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,00	,866	9	9,000
	L&L - Learning Preferences: Documents	1,78	,833	9	9,000
	L&L - Learning Preferences: Learning by Doing	3,44	,527	9	9,000
	L&L - Learning Preferences: Books	1,33	,500	9	9,000
3	L&L - Learning Preferences: Seminars	3,57	,535	7	7,000
	L&L - Learning Preferences: Web Ex	,14	,378	7	7,000
	L&L - Learning Preferences: Elearning (Tutorials)	,71	,756	7	7,000
	L&L - Learning Preferences: Documents	2,71	,951	7	7,000
	L&L - Learning Preferences: Learning by Doing	4,00	,000	7	7,000
	L&L - Learning Preferences: Books	1,43	,787	7	7,000
4	L&L - Learning Preferences: Seminars	3,50	,513	20	20,000
	L&L - Learning Preferences: Web Ex	1,60	,821	20	20,000
	L&L - Learning Preferences: Elearning (Tutorials)	2,30	,571	20	20,000
	L&L - Learning Preferences: Documents	3,05	,686	20	20,000
	L&L - Learning Preferences: Learning by Doing	3,55	,510	20	20,000
	L&L - Learning Preferences: Books	3,15	,489	20	20,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
5	L&L - Learning Preferences: Seminars	3,14	,560	22	22,000
	L&L - Learning Preferences: Web Ex	,32	,477	22	22,000
	L&L - Learning Preferences: Elearning (Tutorials)	,77	,685	22	22,000
	L&L - Learning Preferences: Documents	2,95	,722	22	22,000
	L&L - Learning Preferences: Learning by Doing	3,59	,590	22	22,000
	L&L - Learning Preferences: Books	3,27	,456	22	22,000
6	L&L - Learning Preferences: Seminars	2,71	,488	7	7,000
	L&L - Learning Preferences: Web Ex	,57	,535	7	7,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,43	,787	7	7,000
	L&L - Learning Preferences: Documents	3,00	,577	7	7,000
	L&L - Learning Preferences: Learning by Doing	2,43	,787	7	7,000
	L&L - Learning Preferences: Books	1,57	,535	7	7,000
Gesamt	L&L - Learning Preferences: Seminars	3,19	,822	70	70,000
	L&L - Learning Preferences: Web Ex	,91	,959	70	70,000
	L&L - Learning Preferences: Elearning (Tutorials)	1,54	,988	70	70,000
	L&L - Learning Preferences: Documents	2,83	,834	70	70,000
	L&L - Learning Preferences: Learning by Doing	3,49	,654	70	70,000
	L&L - Learning Preferences: Books	2,61	,982	70	70,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Learning Preferences: Seminars	,410	18,437	5	64	,000
L&L - Learning Preferences: Web Ex	,407	18,656	5	64	,000
L&L - Learning Preferences: Elearning (Tutorials)	,481	13,811	5	64	,000
L&L - Learning Preferences: Documents	,744	4,395	5	64	,002
L&L - Learning Preferences: Learning by Doing	,658	6,650	5	64	,000
L&L - Learning Preferences: Books	,275	33,666	5	64	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)	L&L - Learning Preferences: Documents
Kovarianz	L&L - Learning Preferences: Seminars	,298	-,053	-,011	,002
	L&L - Learning Preferences: Web Ex	-,053	,404	,018	,016
	L&L - Learning Preferences: Elearning (Tutorials)	-,011	,018	,506	-,086
	L&L - Learning Preferences: Documents	,002	,016	-,086	,558
	L&L - Learning Preferences: Learning by Doing	-,018	,024	,065	,021
	L&L - Learning Preferences: Books	-,003	-,012	,072	,104
Korrelation	L&L - Learning Preferences: Seminars	1,000	-,151	-,029	,005
	L&L - Learning Preferences: Web Ex	-,151	1,000	,040	,034
	L&L - Learning Preferences: Elearning (Tutorials)	-,029	,040	1,000	-,162
	L&L - Learning Preferences: Documents	,005	,034	-,162	1,000
	L&L - Learning Preferences: Learning by Doing	-,059	,067	,166	,051
	L&L - Learning Preferences: Books	-,012	-,035	,189	,260

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
Kovarianz	L&L - Learning Preferences: Seminars	-,018	-,003
	L&L - Learning Preferences: Web Ex	,024	-,012
	L&L - Learning Preferences: Elearning (Tutorials)	,065	,072
	L&L - Learning Preferences: Documents	,021	,104
	L&L - Learning Preferences: Learning by Doing	,303	,090
	L&L - Learning Preferences: Books	,090	,287
Korrelation	L&L - Learning Preferences: Seminars	-,059	-,012
	L&L - Learning Preferences: Web Ex	,067	-,035
	L&L - Learning Preferences: Elearning (Tutorials)	,166	,189
	L&L - Learning Preferences: Documents	,051	,260
	L&L - Learning Preferences: Learning by Doing	1,000	,305
	L&L - Learning Preferences: Books	,305	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 64.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
1	L&L - Learning Preferences: Seminars	,700	-,050	-,100
	L&L - Learning Preferences: Web Ex	-,050	,200	-,350
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	-,350	,800
	L&L - Learning Preferences: Documents	-,300	-,050	-,100
	L&L - Learning Preferences: Learning by Doing	,350	-,150	,200
	L&L - Learning Preferences: Books	,000	,000	-,250
2	L&L - Learning Preferences: Seminars	,194	,028	-,250
	L&L - Learning Preferences: Web Ex	,028	,611	,125
	L&L - Learning Preferences: Elearning (Tutorials)	-,250	,125	,750
	L&L - Learning Preferences: Documents	-,056	,278	,125
	L&L - Learning Preferences: Learning by Doing	-,014	,194	,125
	L&L - Learning Preferences: Books	-,167	,083	,375
3	L&L - Learning Preferences: Seminars	,286	-,095	,024
	L&L - Learning Preferences: Web Ex	-,095	,143	,048
	L&L - Learning Preferences: Elearning (Tutorials)	,024	,048	,571
	L&L - Learning Preferences: Documents	,190	,048	,071
	L&L - Learning Preferences: Learning by Doing	,000	,000	,000
	L&L - Learning Preferences: Books	-,119	-,071	,310
4	L&L - Learning Preferences: Seminars	,263	-,053	,053
	L&L - Learning Preferences: Web Ex	-,053	,674	-,084
	L&L - Learning Preferences: Elearning (Tutorials)	,053	-,084	,326
	L&L - Learning Preferences: Documents	-,026	-,032	-,226
	L&L - Learning Preferences: Learning by Doing	,026	,021	-,016
	L&L - Learning Preferences: Books	,026	,011	,005

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Seminars	L&L - Learning Preferences: Web Ex	L&L - Learning Preferences: Elearning (Tutorials)
5	L&L - Learning Preferences: Seminars	,314	-,093	-,015
	L&L - Learning Preferences: Web Ex	-,093	,227	,076
	L&L - Learning Preferences: Elearning (Tutorials)	-,015	,076	,470
	L&L - Learning Preferences: Documents	,054	-,032	-,058
	L&L - Learning Preferences: Learning by Doing	-,132	,041	,093
	L&L - Learning Preferences: Books	,009	-,043	,017
6	L&L - Learning Preferences: Seminars	,238	,024	,143
	L&L - Learning Preferences: Web Ex	,024	,286	,214
	L&L - Learning Preferences: Elearning (Tutorials)	,143	,214	,619
	L&L - Learning Preferences: Documents	,000	,000	-,167
	L&L - Learning Preferences: Learning by Doing	-,024	-,119	,119
	L&L - Learning Preferences: Books	,190	-,048	,048
Gesamt	L&L - Learning Preferences: Seminars	,675	,205	-,044
	L&L - Learning Preferences: Web Ex	,205	,920	,410
	L&L - Learning Preferences: Elearning (Tutorials)	-,044	,410	,976
	L&L - Learning Preferences: Documents	-,127	-,145	-,094
	L&L - Learning Preferences: Learning by Doing	,039	-,001	,022
	L&L - Learning Preferences: Books	-,116	-,120	,082

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
1	L&L - Learning Preferences: Seminars	-,300	,350	,000
	L&L - Learning Preferences: Web Ex	-,050	-,150	,000
	L&L - Learning Preferences: Elearning (Tutorials)	-,100	,200	-,250
	L&L - Learning Preferences: Documents	,700	-,150	,500
	L&L - Learning Preferences: Learning by Doing	-,150	,300	,000
	L&L - Learning Preferences: Books	,500	,000	,500
2	L&L - Learning Preferences: Seminars	-,056	-,014	-,167
	L&L - Learning Preferences: Web Ex	,278	,194	,083
	L&L - Learning Preferences: Elearning (Tutorials)	,125	,125	,375
	L&L - Learning Preferences: Documents	,694	-,139	,083
	L&L - Learning Preferences: Learning by Doing	-,139	,278	,083
	L&L - Learning Preferences: Books	,083	,083	,250
3	L&L - Learning Preferences: Seminars	,190	,000	-,119
	L&L - Learning Preferences: Web Ex	,048	,000	-,071
	L&L - Learning Preferences: Elearning (Tutorials)	,071	,000	,310
	L&L - Learning Preferences: Documents	,905	,000	-,190
	L&L - Learning Preferences: Learning by Doing	,000	,000	,000
	L&L - Learning Preferences: Books	-,190	,000	,619
4	L&L - Learning Preferences: Seminars	-,026	,026	,026
	L&L - Learning Preferences: Web Ex	-,032	,021	,011
	L&L - Learning Preferences: Elearning (Tutorials)	-,226	-,016	,005
	L&L - Learning Preferences: Documents	,471	,024	,045
	L&L - Learning Preferences: Learning by Doing	,024	,261	,124
	L&L - Learning Preferences: Books	,045	,124	,239

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Learning Preferences: Documents	L&L - Learning Preferences: Learning by Doing	L&L - Learning Preferences: Books
5	L&L - Learning Preferences: Seminars	,054	-,132	,009
	L&L - Learning Preferences: Web Ex	-,032	,041	-,043
	L&L - Learning Preferences: Elearning (Tutorials)	-,058	,093	,017
	L&L - Learning Preferences: Documents	,522	,123	,203
	L&L - Learning Preferences: Learning by Doing	,123	,348	,069
	L&L - Learning Preferences: Books	,203	,069	,208
6	L&L - Learning Preferences: Seminars	,000	-,024	,190
	L&L - Learning Preferences: Web Ex	,000	-,119	-,048
	L&L - Learning Preferences: Elearning (Tutorials)	-,167	,119	,048
	L&L - Learning Preferences: Documents	,333	,000	,000
	L&L - Learning Preferences: Learning by Doing	,000	,619	,214
	L&L - Learning Preferences: Books	,000	,214	,286
Gesamt	L&L - Learning Preferences: Seminars	-,127	,039	-,116
	L&L - Learning Preferences: Web Ex	-,145	-,001	-,120
	L&L - Learning Preferences: Elearning (Tutorials)	-,094	,022	,082
	L&L - Learning Preferences: Documents	,695	,012	,339
	L&L - Learning Preferences: Learning by Doing	,012	,427	,176
	L&L - Learning Preferences: Books	,339	,176	,965

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 69.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	.[a]	.[b]
2	6	-9,144
3	5	.[c]
4	6	-7,241
5	6	-7,899
6	6	-12,696
Gemeinsam innerhalb der Gruppen	6	-6,131

Die Ränge und natürlichen Logarithmen der ausgegebenen Determinanten sind die der Gruppen-Kovarianz-Matrizen.

a. Rang < 5

b. Zu wenig Fälle für Nicht-Singularität

c. Singulär

Textergebnisse[a]

Box-M		136,171
F	Näherungswert	1,513
	df1	63
	df2	1741,726
	Signifikanz	,006

Testet die Null-Hypothese der Kovarianz-Matrizen gleicher Grundgesamtheit.

a. Einige der Kovarianz-Matrizen sind singulär, so daß die übliche Vorgehensweise ungeeignet ist. Die nicht-singulären Gruppen werden gegenüber der eigenen gemeinsamen Kovarianzmatrix innerhalb der Gruppen getestet. Der Logarithmus der Determinanten ist -5,863.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	3,453[a]	43,8	43,8	,881
2	2,257[a]	28,6	72,4	,832
3	1,599[a]	20,3	92,6	,784
4	,402[a]	5,1	97,7	,535
5	,179[a]	2,3	100,0	,390

a. Die ersten 5 kanonischen Diskriminanzfunktionen werden in dieser Analyse verwendet.

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 5	,016	260,303	30	,000
2 bis 5	,071	166,210	20	,000
3 bis 5	,233	91,829	12	,000
4 bis 5	,605	31,644	6	,000
5	,848	10,367	2	,006

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion				
	1	2	3	4	5
L&L - Learning Preferences: Seminars	,507	,367	,608	-,198	,388
L&L - Learning Preferences: Web Ex	,532	,571	-,098	-,049	-,313
L&L - Learning Preferences: Elearning (Tutorials)	,318	,188	-,726	,272	,376
L&L - Learning Preferences: Documents	-,039	-,123	-,275	-,054	,891
L&L - Learning Preferences: Learning by Doing	,114	-,210	,434	,919	,082
L&L - Learning Preferences: Books	-,701	,810	,150	-,115	-,210

Struktur-Matrix

	Funktion				
	1	2	3	4	5
L&L - Learning Preferences: Web Ex	,498*	,477	-,205	,056	-,314
L&L - Learning Preferences: Books	-,640	,725*	,070	,207	,124
L&L - Learning Preferences: Seminars	,418	,277	,615*	-,251	,427
L&L - Learning Preferences: Elearning (Tutorials)	,218	,339	-,602*	,416	,182
L&L - Learning Preferences: Learning by Doing	-,043	,079	,303	,935*	,082
L&L - Learning Preferences: Documents	-,246	,068	-,097	-,084	,771*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen
Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion				
	1	2	3	4	5
L&L - Learning Preferences: Seminars	,928	,671	1,113	-,362	,711
L&L - Learning Preferences: Web Ex	,837	,899	-,155	-,077	-,493
L&L - Learning Preferences: Elearning (Tutorials)	,447	,265	-1,020	,383	,529
L&L - Learning Preferences: Documents	-,052	-,165	-,368	-,072	1,193
L&L - Learning Preferences: Learning by Doing	,208	-,382	,788	1,669	,149
L&L - Learning Preferences: Books	-1,309	1,512	,281	-,215	-,392
(Konstant)	-1,565	-5,528	-4,269	-4,421	-5,496

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion				
	1	2	3	4	5
1	-2,557	-1,270	-2,912	1,183	-,297
2	3,478	-,153	,002	,150	-,685
3	1,007	-2,625	1,509	,723	,621
4	,505	1,778	-,409	,100	,349
5	-1,736	,162	1,044	-,206	-,240
6	,362	-1,857	-1,544	-1,400	,230

Nicht-standardisierte kanonische Diskriminanzfunktionen, die bezüglich des Gruppen-Mittelwertes bewertet werden

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		70
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		70

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,167	5	5,000
2	,167	9	9,000
3	,167	7	7,000
4	,167	20	20,000
5	,167	22	22,000
6	,167	7	7,000
Gesamt	1,000	70	70,000

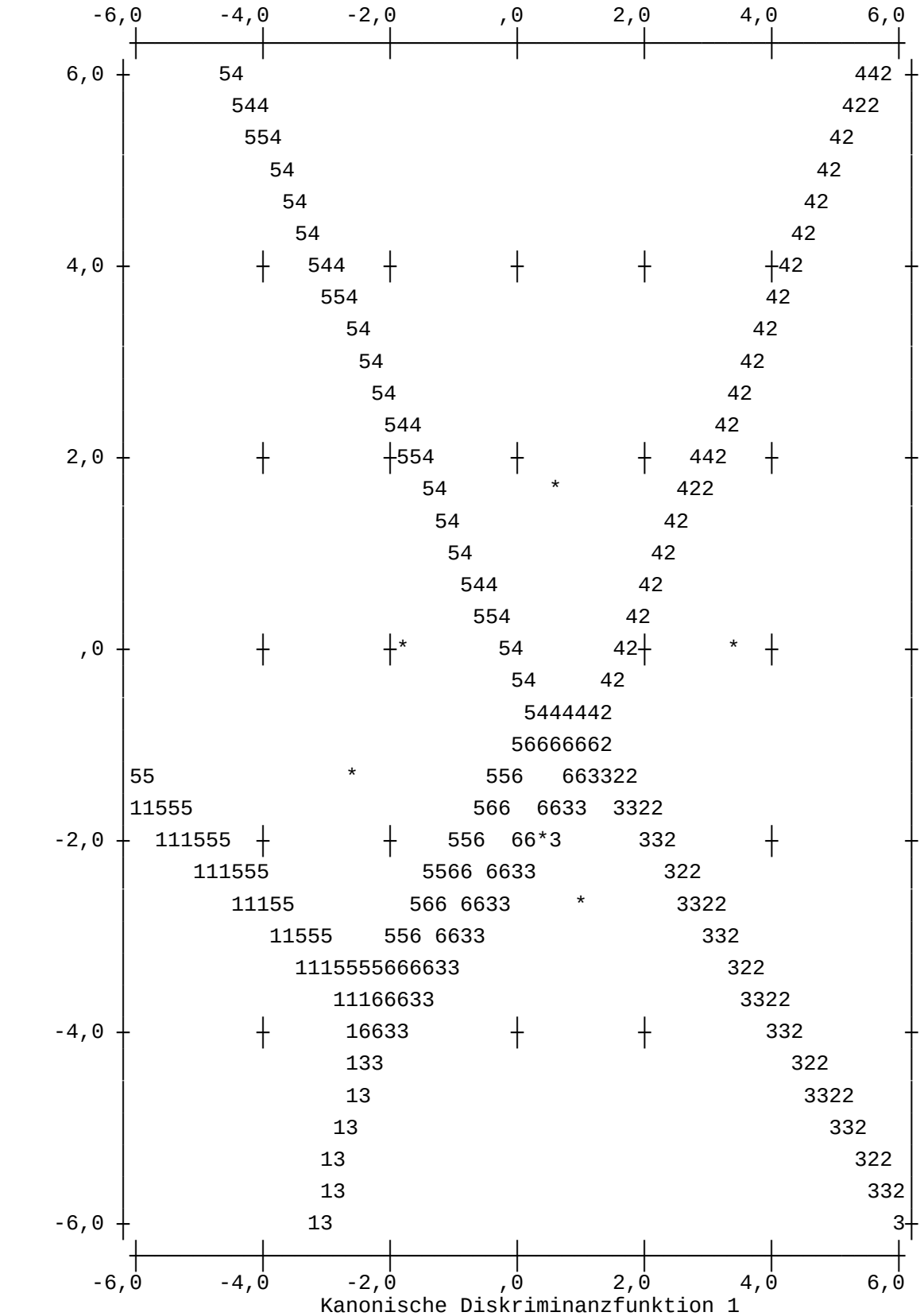
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls					
	1	2	3	4	5	6
L&L - Learning Preferences: Seminars	4,808	14,497	12,942	13,331	11,477	9,953
L&L - Learning Preferences: Web Ex	,333	6,207	,994	5,012	1,773	1,974
L&L - Learning Preferences: Elearning (Tutorials)	3,786	3,209	,821	3,337	-,006	2,830
L&L - Learning Preferences: Documents	5,052	3,092	4,589	4,318	3,483	5,306
L&L - Learning Preferences: Learning by Doing	9,555	10,897	13,666	9,289	9,988	7,231
L&L - Learning Preferences: Books	4,759	-,262	-,975	6,042	7,236	,782
(Konstant)	-41,674	-60,277	-58,130	-65,556	-54,989	-35,239

Lineare Diskriminanzfunktionen nach Fisher

Territorien

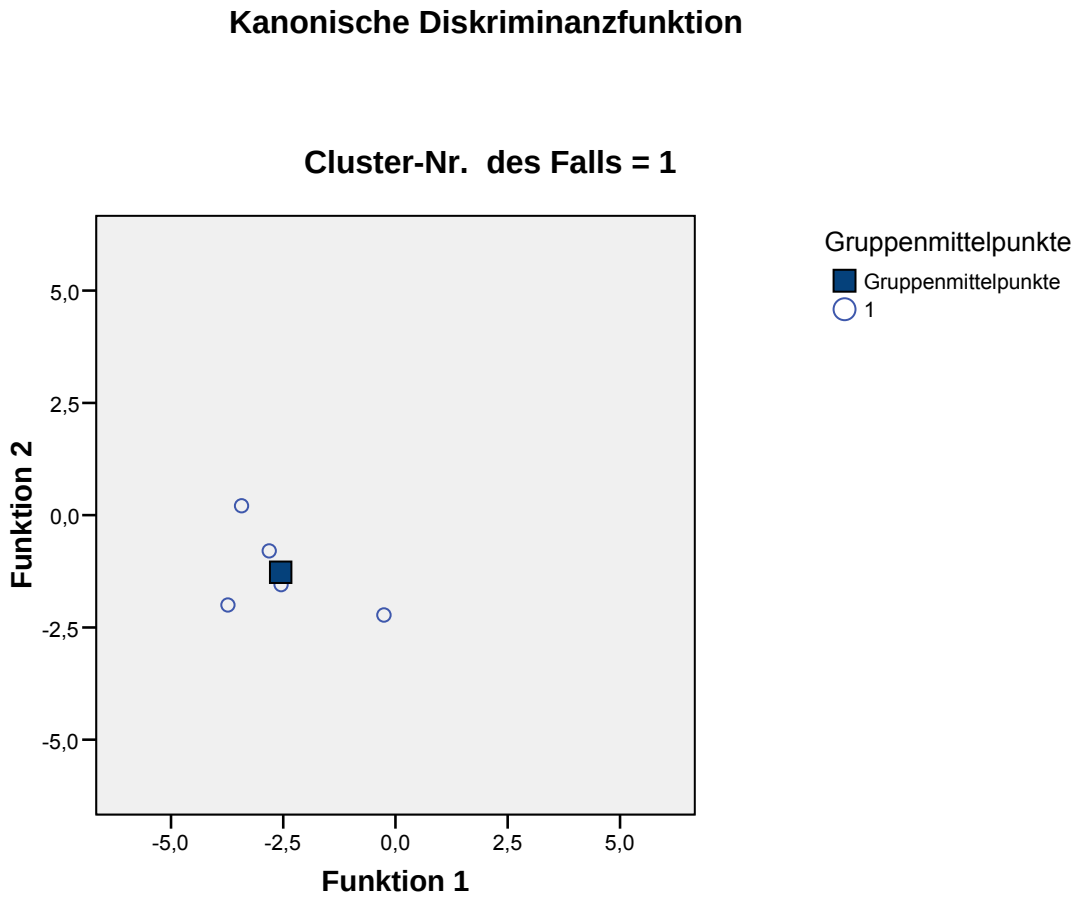
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



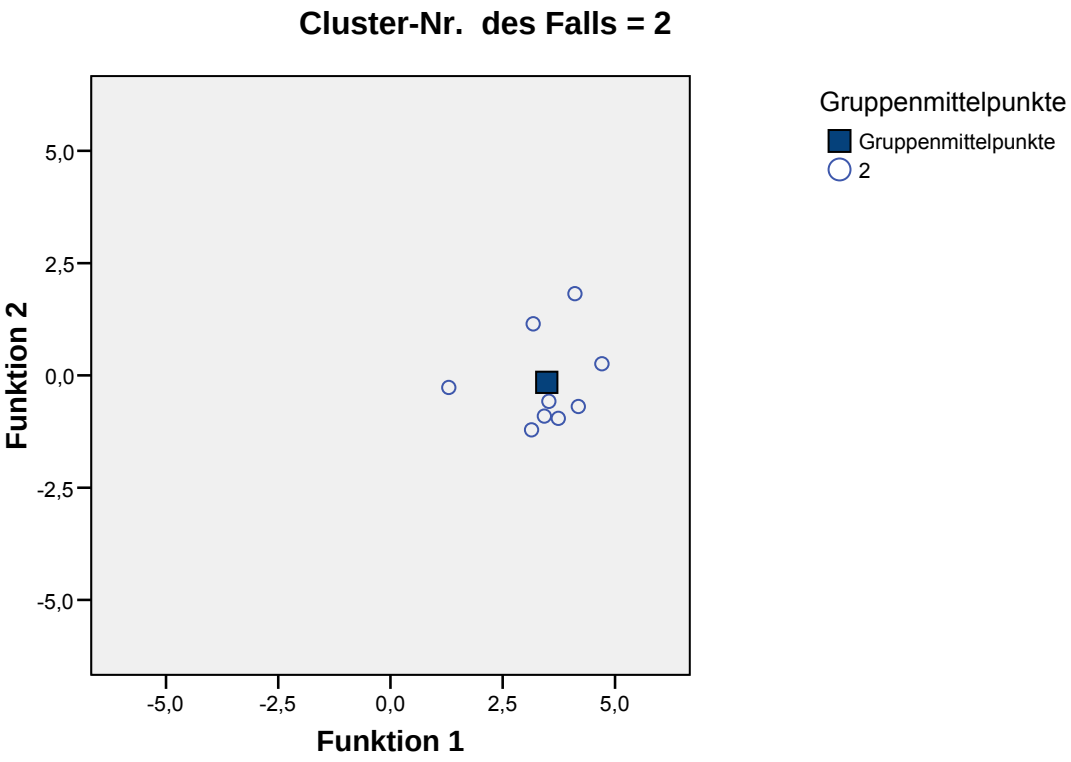
Symbole für Territorien

Symbol	Grp.	Label
1	1	
2	2	
3	3	
4	4	
5	5	
6	6	
*		Markiert Gruppenzentroide

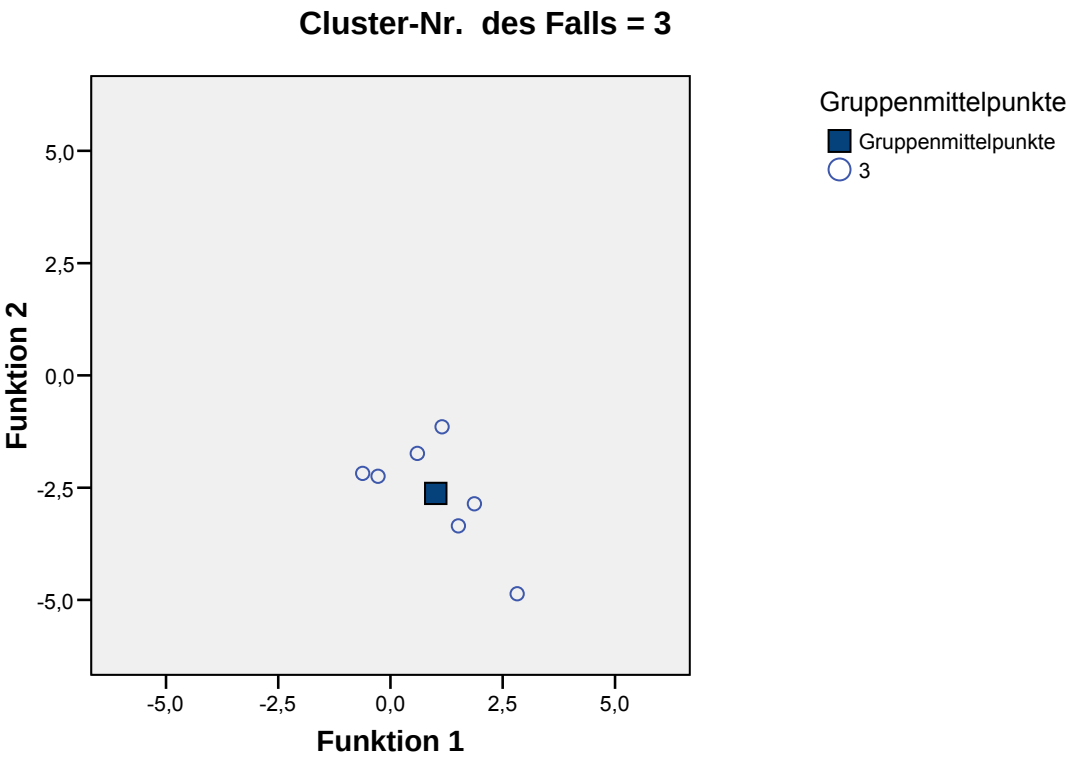
Graphische Darstellung getrennter Gruppen



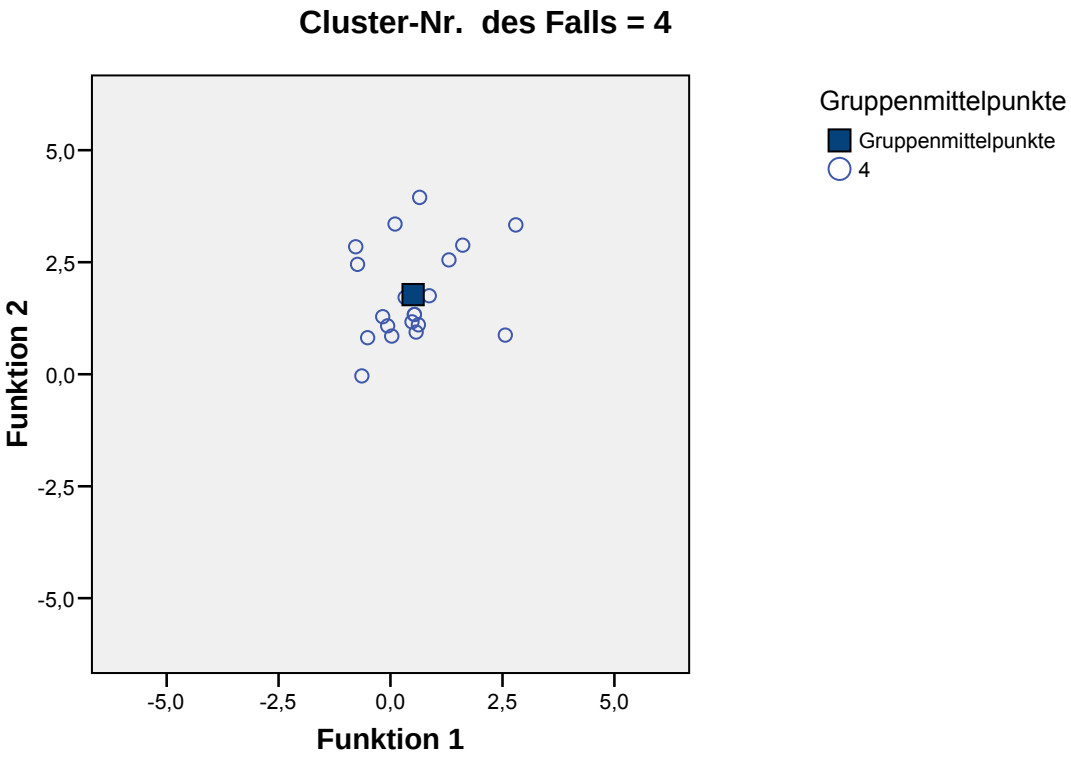
Kanonische Diskriminanzfunktion



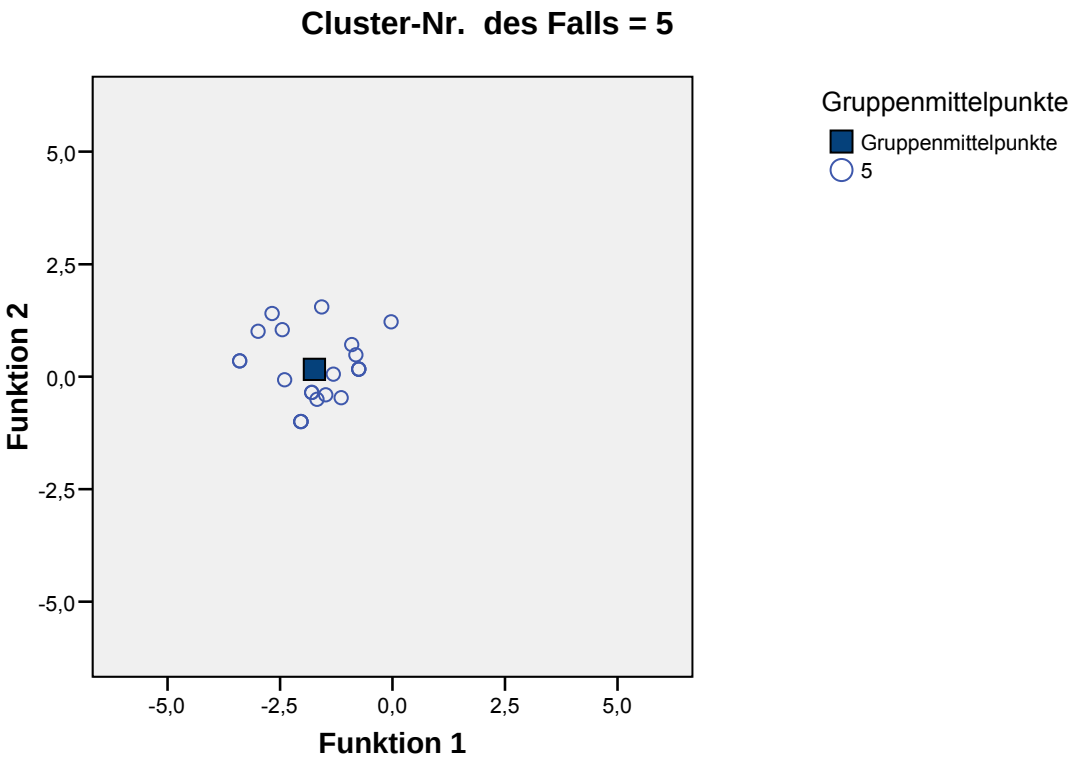
Kanonische Diskriminanzfunktion



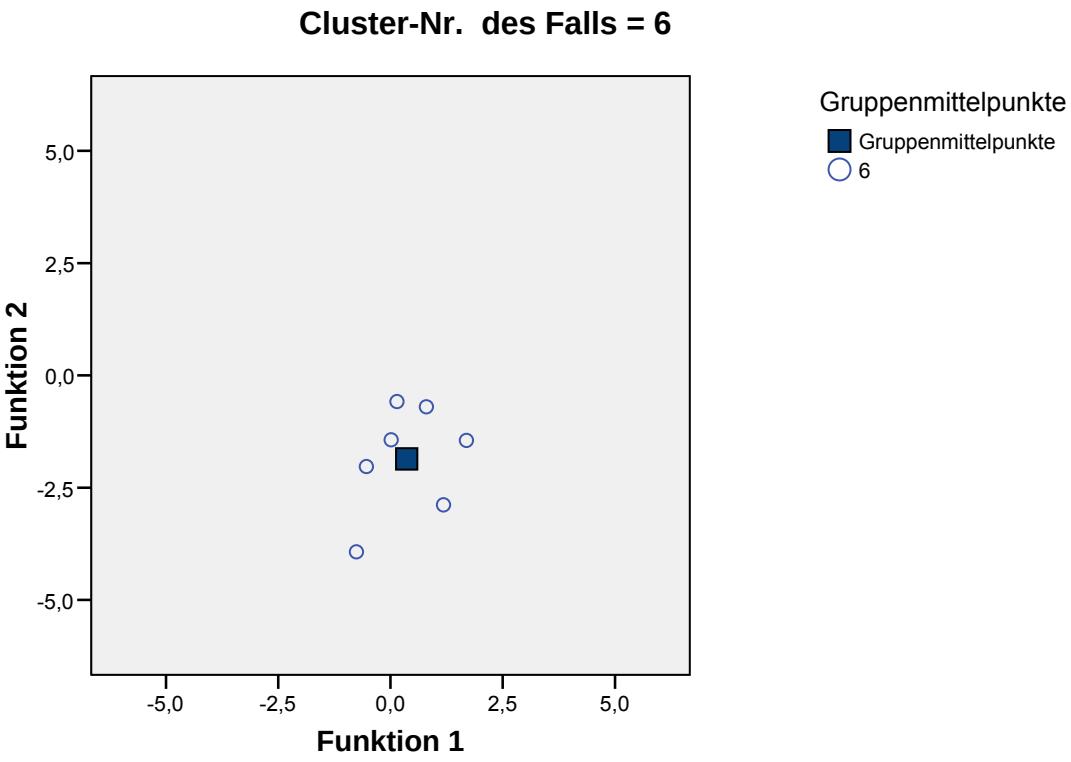
Kanonische Diskriminanzfunktion



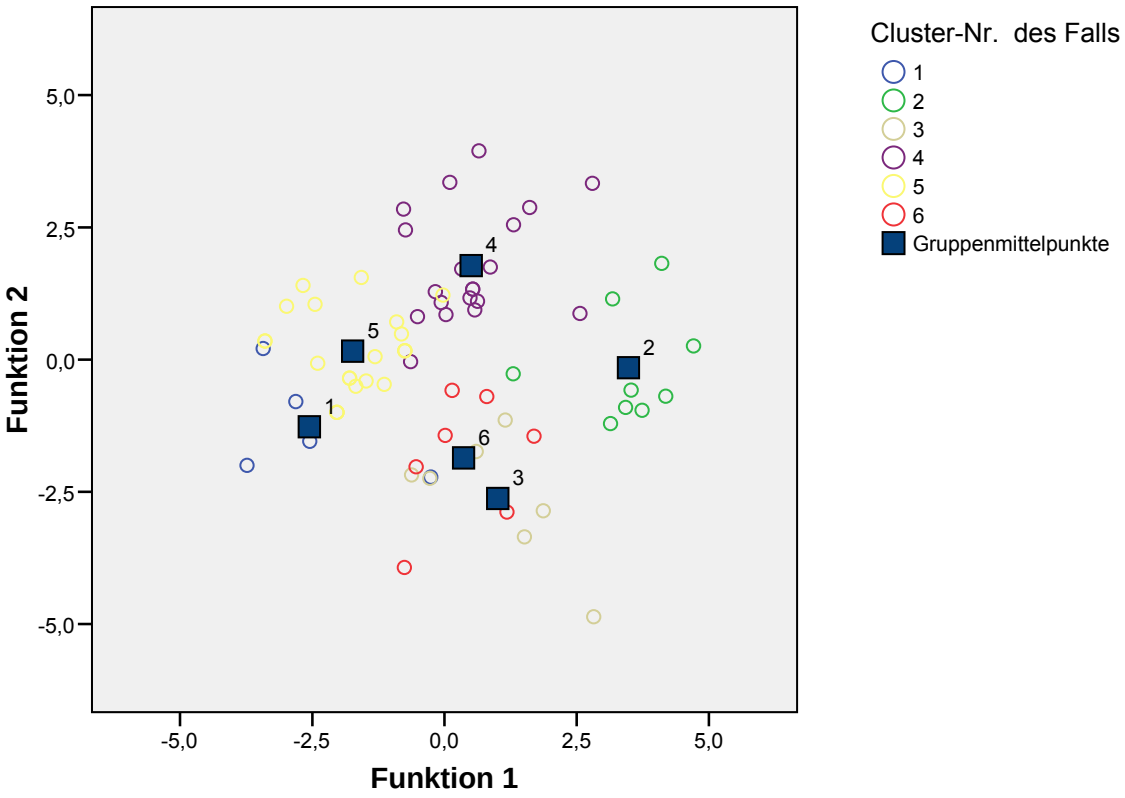
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

			Vorhergesagte Gruppenzugehörigkeit			
		Cluster-Nr. des Falls	1	2	3	4
Original	Anzahl	1	5	0	0	0
		2	0	8	0	0
		3	0	0	7	0
		4	0	1	0	19
		5	0	0	0	1
		6	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	88,9	,0	,0
		3	,0	,0	100,0	,0
		4	,0	5,0	,0	95,0
		5	,0	,0	,0	4,5
		6	,0	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	3	0	0	0
		2	0	8	0	0
		3	0	0	6	0
		4	0	1	0	18
		5	0	0	0	2
		6	0	0	0	0
	%	1	60,0	,0	,0	,0
		2	,0	88,9	,0	,0
		3	,0	,0	85,7	,0
		4	,0	5,0	,0	90,0
		5	,0	,0	,0	9,1
		6	,0	,0	,0	,0

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte 5	Vorhergesagte 6	Gesamt
Original	Anzahl	1	0	0	5
		2	0	1	9
		3	0	0	7
		4	0	0	20
		5	21	0	22
		6	0	7	7
	%	1	,0	,0	100,0
		2	,0	11,1	100,0
		3	,0	,0	100,0
		4	,0	,0	100,0
		5	95,5	,0	100,0
		6	,0	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	1	1	5
		2	0	1	9
		3	1	0	7
		4	1	0	20
		5	20	0	22
		6	0	7	7
	%	1	20,0	20,0	100,0
		2	,0	11,1	100,0
		3	14,3	,0	100,0
		4	5,0	,0	100,0
		5	90,9	,0	100,0
		6	,0	100,0	100,0

a. Die Kreuzvalidierung wird nur für Fälle in dieser Analyse vorgenommen. In der Kreuzvalidierung ist jeder Fall durch die Funktionen klassifiziert, die von allen anderen Fällen außer diesem Fall abgeleitet werden.

b. 95,7% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 88,6% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.