Cluster

[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_TrainingParticipation.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	18,354	7,186	16,396	9,026	15,978	24,476
2:Case 2	18,354	,000	9,149	18,820	24,505	10,721	14,800
3:Case 3	7,186	9,149	,000	9,081	7,157	7,751	10,699
4:Case 4	16,396	18,820	9,081	,000	11,898	16,305	8,830
5:Case 5	9,026	24,505	7,157	11,898	,000	11,363	16,112
6:Case 6	15,978	10,721	7,751	16,305	11,363	,000	19,238
7:Case 7	24,476	14,800	10,699	8,830	16,112	19,238	,000
8:Case 8	13,287	26,727	14,307	6,402	9,836	15,487	24,856
9:Case 9	13,119	28,252	17,158	7,157	12,100	23,452	14,760
10:Case 10	27,138	11,987	13,553	6,923	18,053	10,271	10,518
11:Case 11	15,889	36,783	17,142	7,449	8,632	22,128	18,518
12:Case 12	11,815	17,331	11,603	12,402	8,968	4,632	19,082
13:Case 13	8,540	15,902	4,885	8,812	2,272	6,332	15,785
14:Case 14	11,076	15,436	5,547	1,748	8,288	11,060	7,157
15:Case 15	4,659	13,974	5,488	8,524	8,109	12,309	10,468
16:Case 16	10,468	14,307	13,042	12,870	13,197	8,042	25,686
17:Case 17	9,252	15,549	5,510	6,993	8,175	9,312	8,981
18:Case 18	11,387	26,463	7,877	9,669	8,599	13,390	16,631
19:Case 19	16,632	3,275	10,871	13,992	22,783	7,446	16,522
20:Case 20	8,644	26,780	13,004	9,177	4,146	15,232	19,897
21:Case 21	13,717	20,718	13,273	8,632	7,449	9,723	20,601
22:Case 22	28,575	38,266	32,039	32,776	30,198	15,603	46,897
23:Case 23	16,460	13,107	7,680	2,911	10,193	9,127	11,437
24:Case 24	10,468	19,825	13,042	7,353	7,680	13,559	14,652
25:Case 25	24,241	6,030	7,446	11,094	16,867	7,449	6,272
26:Case 26	21,466	10,867	12,598	9,854	24,858	11,931	12,732
27:Case 27	11,760	32,511	17,497	10,721	18,028	24,051	25,698
28:Case 28	8,222	13,245	4,247	3,049	6,482	8,712	13,084
29:Case 29	9,421	15,197	15,334	21,998	13,861	8,623	29,840
30:Case 30	10,721	13,897	11,742	8,968	12,402	7,789	17,158
31:Case 31	17,097	26,437	16,973	17,457	6,302	10,405	26,365
32:Case 32	10,117	23,776	10,858	12,884	20,191	18,601	31,803
33:Case 33	25,381	30,865	25,937	11,236	19,172	29,875	23,824
34:Case 34	5,091	11,245	8,938	16,444	17,538	14,308	19,234
35:Case 35	8,042	16,576	10,849	11,647	9,723	6,896	19,837
36:Case 36	16,460	13,107	7,680	2,911	10,193	9,127	11,437
37:Case 37	5,543	9,081	3,354	9,149	7,225	4,398	12,342
38:Case 38	9,840	16,540	4,632	5,958	2,525	7,127	8,305
39:Case 39	10,699	17,415	11,295	9,555	11,391	20,875	7,186
40:Case 40	,000	18,354	7,186	16,396	9,026	15,978	24,476
41:Case 41	9,697	11,298	4,168	3,128	9,668	6,923	11,295
42:Case 42	12,515	24,730	15,234	13,974	19,772	13,252	32,959
43:Case 43	9,697	11,298	4,168	3,128	9,668	6,923	11,295
44:Case 44	9,089	15,687	11,663	8,732	9,059	9,421	18,790
45:Case 45	9,478	23,371	12,518	15,336	11,160	8,566	25,078
46:Case 46	19,407	29,007	16,089	13,119	15,898	9,781	32,506
47:Case 47	4,198	15,709	12,937	27,122	16,645	18,308	26,805
48:Case 48	11,245	20,601	12,265	5,023	8,457	12,782	13,875
49:Case 49	12,519	13,861	5,525	3,280	5,204	8,020	5,626
50:Case 50	13,638	17,218	11,641	7,157	9,081	6,380	17,259
51:Case 51	21,155	11,060	9,252	16,820	11,023	12,015	6,133
52:Case 52	6,482	13,861	8,632	9,492	8,222	17,163	11,751
53:Case 53	11,790	20,543	14,317	25,047	26,996	16,928	33,702
54:Case 54	9,421	15,197	12,228	15,785	13,861	5,517	26,733
55:Case 55	2,156	17,751	7,789	18,204	13,941	13,822	30,595

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	10,213	12,669	8,344	20,975	9,077	4,659	17,684
57:Case 57	14,631	35,106	14,652	11,290	5,605	13,861	23,607
58:Case 58	12,369	17,583	8,946	17,266	8,474	8,020	12,770
59:Case 59	10,753	23,473	5,778	10,171	4,486	7,225	20,250
60:Case 60	10,117	16,933	10,858	16,305	23,612	15,180	28,382
61:Case 61	3,280	16,679	4,108	6,482	6,067	11,592	18,027
62:Case 62	12,195	18,793	11,663	5,626	12,166	9,421	18,790
63:Case 63	18,657	13,559	8,644	8,109	8,524	6,410	5,525
64:Case 64	17,767	9,089	11,094	22,912	14,863	1,632	20,870
65:Case 65	9,026	18,988	7,157	17,415	5,517	5,845	27,147
66:Case 66	5,001	16,554	12,380	14,732	11,210	11,446	22,877
67:Case 67	6,030	17,684	5,626	12,235	4,952	9,429	12,669

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
1:Case 1	13,287	13,119	27,138	15,889	11,815	8,540
2:Case 2	26,727	28,252	11,987	36,783	17,331	15,902
3:Case 3	14,307	17,158	13,553	17,142	11,603	4,885
4:Case 4	6,402	7,157	6,923	7,449	12,402	8,812
5:Case 5	9,836	12,100	18,053	8,632	8,968	2,272
6:Case 6	15,487	23,452	10,271	22,128	4,632	6,332
7:Case 7	24,856	14,760	10,518	18,518	19,082	15,785
8:Case 8	,000	9,693	12,510	8,042	9,345	5,778
9:Case 9	9,693	,000	18,379	3,280	10,284	13,559
10:Case 10	12,510	18,379	,000	20,703	12,145	10,423
11:Case 11	8,042	3,280	20,703	,000	10,470	11,876
12:Case 12	9,345	10,284	12,145	10,470	,000	6,696
13:Case 13	5,778	13,559	10,423	11,876	6,696	,000
14:Case 14	8,075	5,409	8,746	5,626	7,157	6,989
15:Case 15	13,223	5,626	17,063	8,830	6,896	8,596
16:Case 16	5,577	13,945	11,245	17,268	4,659	6,380
17:Case 17	13,245	7,157	14,066	7,299	5,409	8,662
18:Case 18	13,977	11,311	21,792	6,402	9,487	10,872
19:Case 19	18,456	19,981	8,712	26,958	9,059	14,180
20:Case 20	3,904	4,659	16,565	4,486	6,332	4,632
21:Case 21	2,387	10,168	8,457	10,271	5,091	3,391
22:Case 22	24,996	28,030	32,942	25,034	8,732	26,953
23:Case 23	5,001	12,782	2,503	13,119	9,491	4,348
24:Case 24	5,577	2,911	11,245	6,234	4,659	6,380
25:Case 25	21,602	24,050	4,247	26,299	14,320	11,023
26:Case 26	20,183	16,191	10,439	20,062	10,787	19,014
27:Case 27	11,818	6,133	27,094	6,030	12,133	18,514
28:Case 28	3,354	9,625	7,446	9,685	7,567	2,424
29:Case 29	13,077	18,023	18,895	22,824	5,240	8,830
30:Case 30	7,698	7,127	9,944	10,608	1,648	8,344
31:Case 31	7,873	17,163	14,497	15,525	7,282	4,030
32:Case 32	11,751	20,521	25,452	18,707	17,197	15,160
33:Case 33	8,058	12,233	13,424	17,261	20,975	14,301
34:Case 34	20,095	13,084	23,532	19,508	10,145	15,266
35:Case 35	8,591	8,020	14,409	9,715	,755	7,451
36:Case 36	5,001	12,782	2,503	13,119	9,491	4,348
37:Case 37	11,089	10,518	11,911	12,213	3,253	4,952
38:Case 38	8,946	7,789	10,171	6,264	4,733	3,011
39:Case 39	17,245	4,130	17,512	10,674	12,703	12,850
40:Case 40	13,287	13,119	27,138	15,889	11,815	8,540
41:Case 41	6,696	9,547	7,367	9,764	5,778	5,609
42:Case 42	9,555	16,413	21,812	14,800	8,359	14,741
43:Case 43	6,696	9,547	7,367	9,764	5,778	5,609
44:Case 44	4,198	7,048	9,865	10,372	3,280	5,001
45:Case 45	12,046	11,476	21,436	9,831	2,424	10,674
46:Case 46	6,989	20,287	16,631	13,945	7,907	10,867
47:Case 47	25,880	18,870	32,889	26,614	14,144	16,159
48:Case 48	4,801	2,134	10,468	3,904	3,882	7,157
49:Case 49	8,053	6,896	5,706	7,157	5,626	3,904
50:Case 50	4,176	8,536	6,825	8,797	1,748	5,023
51:Case 51	25,195	22,126	11,411	25,695	16,127	9,723
52:Case 52	11,160	6,984	14,849	13,370	11,751	6,923
53:Case 53	27,259	25,766	34,268	27,298	15,524	23,751
54:Case 54	9,970	14,916	15,788	16,611	2,134	8,830
55:Case 55	13,889	19,238	27,741	20,455	12,417	10,696

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	21,287	18,804	19,240	20,467	5,023	8,591
57:Case 57	7,338	9,602	20,552	3,027	6,470	7,877
58:Case 58	21,889	13,889	19,843	14,000	5,626	10,747
59:Case 59	8,457	16,238	16,674	9,663	7,589	3,999
60:Case 60	18,593	20,521	25,452	22,128	13,775	18,581
61:Case 61	5,001	9,764	15,684	9,547	8,938	3,795
62:Case 62	4,198	7,048	9,865	7,265	3,280	8,108
63:Case 63	14,594	11,524	5,806	11,987	5,525	7,225
64:Case 64	22,251	26,794	13,614	28,735	6,264	9,832
65:Case 65	9,836	23,134	18,053	19,666	8,968	2,272
66:Case 66	10,122	8,042	18,958	12,799	3,795	8,938
67:Case 67	15,147	9,059	19,541	8,968	5,525	7,225

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	11,076	4,659	10,468	9,252	11,387	16,632
2:Case 2	15,436	13,974	14,307	15,549	26,463	3,275
3:Case 3	5,547	5,488	13,042	5,510	7,877	10,871
4:Case 4	1,748	8,524	12,870	6,993	9,669	13,992
5:Case 5	8,288	8,109	13,197	8,175	8,599	22,783
6:Case 6	11,060	12,309	8,042	9,312	13,390	7,446
7:Case 7	7,157	10,468	25,686	8,981	16,631	16,522
8:Case 8	8,075	13,223	5,577	13,245	13,977	18,456
9:Case 9	5,409	5,626	13,945	7,157	11,311	19,981
10:Case 10	8,746	17,063	11,245	14,066	21,792	8,712
11:Case 11	5,626	8,830	17,268	7,299	6,402	26,958
12:Case 12	7,157	6,896	4,659	5,409	9,487	9,059
13:Case 13	6,989	8,596	6,380	8,662	10,872	14,180
14:Case 14	,000	3,280	11,122	1,748	4,348	10,608
15:Case 15	3,280	,000	11,295	1,531	5,609	10,699
16:Case 16	11,122	11,295	,000	12,870	18,577	7,589
17:Case 17	1,748	1,531	12,870	,000	2,525	10,721
18:Case 18	4,348	5,609	18,577	2,525	,000	20,082
19:Case 19	10,608	10,699	7,589	10,721	20,082	,000
20:Case 20	7,353	7,451	7,265	9,026	11,236	20,062
21:Case 21	8,594	11,987	2,989	12,053	16,049	14,000
22:Case 22	24,035	23,384	17,236	18,790	19,686	21,891
23:Case 23	4,659	11,391	7,157	9,904	14,132	9,832
24:Case 24	5,605	5,778	5,517	7,353	13,060	13,106
25:Case 25	9,421	14,241	16,916	11,245	18,895	7,751
26:Case 26	6,470	9,668	15,181	6,583	12,837	4,486
27:Case 27	7,186	7,215	16,418	7,149	6,410	21,133
28:Case 28	3,011	6,448	5,510	6,470	8,913	9,970
29:Case 29	16,753	11,876	2,525	15,005	22,189	10,032
30:Case 30	5,510	5,525	3,011	5,547	11,411	5,626
31:Case 31	15,634	17,197	6,923	17,307	21,070	21,272
32:Case 32	11,060	12,799	14,254	12,733	10,284	17,395
33:Case 33	16,481	22,094	13,287	25,222	32,633	25,700
34:Case 34	9,489	2,989	11,987	6,030	11,818	7,970
35:Case 35	6,402	4,632	3,904	4,654	8,732	8,305
36:Case 36	4,659	11,391	7,157	9,904	14,132	9,832
37:Case 37	3,904	2,134	6,402	2,156	6,234	5,806
38:Case 38	2,424	3,874	10,440	2,387	4,754	13,265
39:Case 39	6,096	3,049	16,522	6,133	13,551	15,693
40:Case 40	11,076	4,659	10,468	9,252	11,387	16,632
41:Case 41	1,379	4,659	6,984	3,128	5,728	6,470
42:Case 42	10,440	11,977	8,637	10,402	9,663	13,353
43:Case 43	1,379	4,659	6,984	3,128	5,728	6,470
44:Case 44	6,984	7,157	1,379	8,732	14,439	8,968
45:Case 45	8,305	6,302	8,913	4,771	5,510	13,546
46:Case 46	11,295	17,562	9,492	12,968	10,518	17,629
47:Case 47	18,380	6,989	14,666	13,135	20,245	15,541
48:Case 48	3,275	5,001	6,294	5,023	9,177	12,330
49:Case 49	1,531	4,767	9,547	3,280	7,433	10,586
50:Case 50	5,409	8,644	2,911	7,157	11,311	8,946
51:Case 51	13,362	13,289	20,161	13,399	22,370	15,889
52:Case 52	7,744	4,855	9,547	9,492	16,752	13,692
53:Case 53	16,305	11,126	19,499	11,060	11,957	14,162
54:Case 54	10,540	8,770	2,525	8,792	12,870	6,926
55:Case 55	12,884	8,020	9,865	11,060	11,642	14,476

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	12,233	6,923	11,625	6,989	12,545	10,947
57:Case 57	7,680	10,608	13,805	7,567	4,885	25,281
58:Case 58	8,524	4,767	16,540	3,280	7,282	14,309
59:Case 59	6,561	9,489	12,166	6,448	3,766	18,645
60:Case 60	11,060	9,378	14,254	9,312	10,284	10,552
61:Case 61	4,659	4,801	7,157	6,332	6,989	13,404
62:Case 62	3,878	7,157	4,486	5,626	8,226	8,968
63:Case 63	4,650	7,684	12,666	4,688	10,552	10,284
64:Case 64	15,956	13,941	9,831	12,497	19,839	7,367
65:Case 65	13,805	13,626	7,680	13,692	14,117	17,266
66:Case 66	9,487	4,654	3,882	7,739	13,370	9,836
67:Case 67	5,204	1,648	13,219	1,670	3,962	14,409

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	8,644	13,717	28,575	16,460	10,468	24,241
2:Case 2	26,780	20,718	38,266	13,107	19,825	6,030
3:Case 3	13,004	13,273	32,039	7,680	13,042	7,446
4:Case 4	9,177	8,632	32,776	2,911	7,353	11,094
5:Case 5	4,146	7,449	30,198	10,193	7,680	16,867
6:Case 6	15,232	9,723	15,603	9,127	13,559	7,449
7:Case 7	19,897	20,601	46,897	11,437	14,652	6,272
8:Case 8	3,904	2,387	24,996	5,001	5,577	21,602
9:Case 9	4,659	10,168	28,030	12,782	2,911	24,050
10:Case 10	16,565	8,457	32,942	2,503	11,245	4,247
11:Case 11	4,486	10,271	25,034	13,119	6,234	26,299
12:Case 12	6,332	5,091	8,732	9,491	4,659	14,320
13:Case 13	4,632	3,391	26,953	4,348	6,380	11,023
14:Case 14	7,353	8,594	24,035	4,659	5,605	9,421
15:Case 15	7,451	11,987	23,384	11,391	5,778	14,241
16:Case 16	7,265	2,989	17,236	7,157	5,517	16,916
17:Case 17	9,026	12,053	18,790	9,904	7,353	11,245
18:Case 18	11,236	16,049	19,686	14,132	13,060	18,895
19:Case 19	20,062	14,000	21,891	9,832	13,106	7,751
20:Case 20	,000	3,027	24,350	8,981	1,748	22,161
21:Case 21	3,027	,000	22,137	4,168	2,989	15,839
22:Case 22	24,350	22,137	,000	30,214	22,753	36,617
23:Case 23	8,981	4,168	30,214	,000	7,157	6,674
24:Case 24	1,748	2,989	22,753	7,157	,000	16,916
25:Case 25	22,161	15,839	36,617	6,674	16,916	,000
26:Case 26	22,137	18,833	20,164	11,559	15,181	9,478
27:Case 27	10,863	16,909	19,121	18,203	10,901	30,980
28:Case 28	5,547	4,030	26,503	1,648	5,510	9,831
29:Case 29	9,715	7,225	17,427	14,732	8,042	21,069
30:Case 30	6,470	4,952	12,166	7,567	3,011	13,905
31:Case 31	5,174	2,424	25,649	9,931	6,923	20,093
32:Case 32	18,023	18,551	25,376	14,849	19,772	26,051
33:Case 33	9,669	7,338	49,168	9,487	7,770	26,088
34:Case 34	15,371	18,657	22,163	18,061	11,987	18,999
35:Case 35	5,577	5,845	9,487	10,246	3,904	16,584
36:Case 36	8,981	4,168	30,214	,000	7,157	6,674
37:Case 37	8,075	8,344	16,982	7,748	6,402	9,089
38:Case 38	4,885	6,402	22,931	5,806	4,922	9,059
39:Case 39	8,946	14,455	36,842	13,626	5,488	16,477
40:Case 40	8,644	13,717	28,575	16,460	10,468	24,241
41:Case 41	8,732	7,215	19,897	3,280	6,984	8,042
42:Case 42	14,117	13,135	9,831	14,430	14,154	25,698
43:Case 43	8,732	7,215	19,897	3,280	6,984	8,042
44:Case 44	3,128	1,610	18,615	5,778	1,379	15,537
45:Case 45	8,800	10,854	6,264	15,488	8,913	21,825
46:Case 46	13,261	9,262	11,089	10,556	15,010	22,227
47:Case 47	16,263	21,336	30,590	25,633	14,666	26,571
48:Case 48	2,525	3,766	18,870	6,380	,777	16,139
49:Case 49	5,778	5,510	25,610	3,128	4,030	6,380
50:Case 50	4,659	1,632	13,977	4,247	2,911	12,496
51:Case 51	18,103	16,325	45,609	12,053	14,644	5,379
52:Case 52	5,778	8,528	37,948	9,252	4,030	15,524
53:Case 53	26,614	28,928	16,785	27,012	25,017	27,950
54:Case 54	9,715	7,225	8,108	11,625	8,042	17,963
55:Case 55	13,559	15,873	23,312	17,063	15,382	24,843

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	13,223	13,768	18,362	16,511	11,625	12,922
57:Case 57	4,754	8,058	16,490	12,691	8,288	24,362
58:Case 58	12,620	15,924	18,617	17,114	11,023	13,524
59:Case 59	8,632	9,177	19,847	8,813	12,166	15,488
60:Case 60	21,445	21,973	18,533	18,270	19,772	22,630
61:Case 61	5,409	7,186	26,088	6,590	7,157	16,283
62:Case 62	6,234	4,716	12,402	5,778	4,486	15,537
63:Case 63	10,608	8,830	23,799	6,448	7,149	4,771
64:Case 64	18,732	13,223	18,630	14,180	15,348	9,081
65:Case 65	9,663	7,449	24,681	10,193	13,197	16,867
66:Case 66	5,555	7,333	15,634	13,287	3,882	21,133
67:Case 67	7,589	12,402	20,227	13,592	7,702	14,933

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
1:Case 1	21,466	11,760	8,222	9,421	10,721	17,097
2:Case 2	10,867	32,511	13,245	15,197	13,897	26,437
3:Case 3	12,598	17,497	4,247	15,334	11,742	16,973
4:Case 4	9,854	10,721	3,049	21,998	8,968	17,457
5:Case 5	24,858	18,028	6,482	13,861	12,402	6,302
6:Case 6	11,931	24,051	8,712	8,623	7,789	10,405
7:Case 7	12,732	25,698	13,084	29,840	17,158	26,365
8:Case 8	20,183	11,818	3,354	13,077	7,698	7,873
9:Case 9	16,191	6,133	9,625	18,023	7,127	17,163
10:Case 10	10,439	27,094	7,446	18,895	9,944	14,497
11:Case 11	20,062	6,030	9,685	22,824	10,608	15,525
12:Case 12	10,787	12,133	7,567	5,240	1,648	7,282
13:Case 13	19,014	18,514	2,424	8,830	8,344	4,030
14:Case 14	6,470	7,186	3,011	16,753	5,510	15,634
15:Case 15	9,668	7,215	6,448	11,876	5,525	17,197
16:Case 16	15,181	16,418	5,510	2,525	3,011	6,923
17:Case 17	6,583	7,149	6,470	15,005	5,547	17,307
18:Case 18	12,837	6,410	8,913	22,189	11,411	21,070
19:Case 19	4,486	21,133	9,970	10,032	5,626	21,272
20:Case 20	22,137	10,863	5,547	9,715	6,470	5,174
21:Case 21	18,833	16,909	4,030	7,225	4,952	2,424
22:Case 22	20,164	19,121	26,503	17,427	12,166	25,649
23:Case 23	11,559	18,203	1,648	14,732	7,567	9,931
24:Case 24	15,181	10,901	5,510	8,042	3,011	6,923
25:Case 25	9,478	30,980	9,831	21,069	13,905	20,093
26:Case 26	,000	13,889	11,697	20,731	7,353	29,212
27:Case 27	13,889	,000	11,751	21,817	9,252	26,734
28:Case 28	11,697	11,751	,000	11,298	5,920	9,516
29:Case 29	20,731	21,817	11,298	,000	5,379	7,819
30:Case 30	7,353	9,252	5,920	5,379	,000	10,439
31:Case 31	29,212	26,734	9,516	7,819	10,439	,000
32:Case 32	15,667	8,871	8,397	21,364	14,317	28,377
33:Case 33	30,881	26,902	11,411	21,252	15,755	13,290
34:Case 34	9,697	10,405	11,609	10,858	7,265	25,376
35:Case 35	10,032	8,359	6,813	4,486	,893	9,546
36:Case 36	11,559	18,203	1,648	14,732	7,567	9,931
37:Case 37	7,534	10,858	4,314	6,984	3,391	12,044
38:Case 38	12,233	12,396	3,882	12,732	6,380	8,594
39:Case 39	15,010	13,370	10,470	17,336	9,547	19,898
40:Case 40	21,466	11,760	8,222	9,421	10,721	17,097
41:Case 41	5,091	8,566	1,632	12,615	4,130	14,254
42:Case 42	11,625	6,272	9,487	14,036	6,989	21,452
43:Case 43	5,091	8,566	1,632	12,615	4,130	14,254
44:Case 44	13,802	12,280	4,130	3,904	1,632	5,543
45:Case 45	12,167	6,923	10,268	9,262	4,348	14,322
46:Case 46	15,902	13,164	8,632	16,602	9,555	14,560
47:Case 47	23,481	20,618	17,395	8,644	13,050	23,163
48:Case 48	11,298	7,018	4,733	10,372	2,235	9,252
49:Case 49	9,555	13,289	2,989	13,625	5,488	9,487
50:Case 50	10,674	12,170	4,108	6,989	1,610	5,609
51:Case 51	21,070	36,241	13,424	19,422	17,497	15,687
52:Case 52	18,874	16,572	6,096	10,518	8,594	12,417
53:Case 53	12,434	12,330	18,774	19,691	14,430	36,968
54:Case 54	11,411	12,497	8,192	3,106	2,272	10,925
55:Case 55	18,962	12,015	8,825	10,371	11,323	20,806

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	15,781	21,973	12,801	7,157	8,457	12,620
57:Case 57	21,143	9,316	8,981	17,575	9,904	10,016
58:Case 58	13,277	16,710	13,404	13,625	9,059	16,329
59:Case 59	17,266	13,194	5,103	15,936	11,023	11,135
60:Case 60	8,825	8,871	11,818	17,942	10,895	31,798
61:Case 61	15,131	8,594	1,648	11,160	7,567	12,396
62:Case 62	7,589	6,067	4,130	10,117	1,632	11,756
63:Case 63	9,252	19,427	7,819	15,033	6,896	11,298
64:Case 64	14,959	30,500	13,765	7,149	9,421	12,352
65:Case 65	24,858	23,545	6,482	8,344	12,402	6,302
66:Case 66	14,670	9,979	8,344	2,911	2,424	10,989
67:Case 67	13,378	10,371	8,372	12,015	7,449	14,317

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
1:Case 1	10,117	25,381	5,091	8,042	16,460	5,543
2:Case 2	23,776	30,865	11,245	16,576	13,107	9,081
3:Case 3	10,858	25,937	8,938	10,849	7,680	3,354
4:Case 4	12,884	11,236	16,444	11,647	2,911	9,149
5:Case 5	20,191	19,172	17,538	9,723	10,193	7,225
6:Case 6	18,601	29,875	14,308	6,896	9,127	4,398
7:Case 7	31,803	23,824	19,234	19,837	11,437	12,342
8:Case 8	11,751	8,058	20,095	8,591	5,001	11,089
9:Case 9	20,521	12,233	13,084	8,020	12,782	10,518
10:Case 10	25,452	13,424	23,532	14,409	2,503	11,911
11:Case 11	18,707	17,261	19,508	9,715	13,119	12,213
12:Case 12	17,197	20,975	10,145	,755	9,491	3,253
13:Case 13	15,160	14,301	15,266	7,451	4,348	4,952
14:Case 14	11,060	16,481	9,489	6,402	4,659	3,904
15:Case 15	12,799	22,094	2,989	4,632	11,391	2,134
16:Case 16	14,254	13,287	11,987	3,904	7,157	6,402
17:Case 17	12,733	25,222	6,030	4,654	9,904	2,156
18:Case 18	10,284	32,633	11,818	8,732	14,132	6,234
19:Case 19	17,395	25,700	7,970	8,305	9,832	5,806
20:Case 20	18,023	9,669	15,371	5,577	8,981	8,075
21:Case 21	18,551	7,338	18,657	5,845	4,168	8,344
22:Case 22	25,376	49,168	22,163	9,487	30,214	16,982
23:Case 23	14,849	9,487	18,061	10,246	,000	7,748
24:Case 24	19,772	7,770	11,987	3,904	7,157	6,402
25:Case 25	26,051	26,088	18,999	16,584	6,674	9,089
26:Case 26	15,667	30,881	9,697	10,032	11,559	7,534
27:Case 27	8,871	26,902	10,405	8,359	18,203	10,858
28:Case 28	8,397	11,411	11,609	6,813	1,648	4,314
29:Case 29	21,364	21,252	10,858	4,486	14,732	6,984
30:Case 30	14,317	15,755	7,265	,893	7,567	3,391
31:Case 31	28,377	13,290	25,376	9,546	9,931	12,044
32:Case 32	,000	32,352	12,184	13,424	14,849	10,925
33:Case 33	32,352	,000	31,724	20,220	9,487	22,719
34:Case 34	12,184	31,724	,000	6,372	18,061	3,874
35:Case 35	13,424	20,220	6,372	,000	10,246	2,498
36:Case 36	14,849	9,487	18,061	10,246	,000	7,748
37:Case 37	10,925	22,719	3,874	2,498	7,748	,000
38:Case 38	16,270	17,817	11,592	5,488	5,806	2,989
39:Case 39	24,472	16,679	8,797	10,440	13,626	7,941
40:Case 40	10,117	25,381	5,091	8,042	16,460	5,543
41:Case 41	6,923	17,860	8,109	5,023	3,280	2,525
42:Case 42	4,108	30,156	11,160	6,096	14,430	8,594
43:Case 43	6,923	17,860	8,109	5,023	3,280	2,525
44:Case 44	15,634	9,149	10,608	2,525	5,778	5,023
45:Case 45	11,987	30,354	8,042	1,670	15,488	4,168
46:Case 46	9,290	27,590	21,473	8,662	10,556	11,160
47:Case 47	22,396	34,869	3,999	10,371	25,633	7,873
48:Case 48	15,889	10,100	11,210	3,128	6,380	5,626
49:Case 49	17,163	13,353	12,485	6,380	3,128	3,882
50:Case 50	15,524	12,233	13,604	2,503	4,247	5,001
51:Case 51	36,829	24,281	20,806	18,390	12,053	10,895
52:Case 52	20,446	10,246	9,555	9,487	9,252	6,989
53:Case 53	8,591	51,432	5,379	11,751	27,012	9,252
54:Case 54	12,044	24,358	7,751	1,379	11,625	3,878
55:Case 55	4,855	31,849	5,694	8,644	17,063	6,146

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	23,751	33,381	8,461	5,778	16,511	3,280
57:Case 57	16,477	22,887	20,037	7,225	12,691	9,723
58:Case 58	24,006	34,332	9,064	6,380	17,114	3,882
59:Case 59	9,840	26,765	16,159	8,344	8,813	5,845
60:Case 60	3,421	39,194	5,341	10,002	18,270	7,504
61:Case 61	5,240	16,631	8,452	6,674	6,590	4,176
62:Case 62	9,421	15,362	10,608	2,525	5,778	5,023
63:Case 63	25,012	19,893	15,201	7,789	6,448	5,291
64:Case 64	26,761	33,532	14,230	8,528	14,180	6,030
65:Case 65	14,674	24,690	17,538	9,723	10,193	7,225
66:Case 66	15,043	18,645	4,885	1,531	13,287	4,030
67:Case 67	15,956	27,590	6,146	4,771	13,592	2,272

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	9,840	10,699	,000	9,697	12,515	9,697
2:Case 2	16,540	17,415	18,354	11,298	24,730	11,298
3:Case 3	4,632	11,295	7,186	4,168	15,234	4,168
4:Case 4	5,958	9,555	16,396	3,128	13,974	3,128
5:Case 5	2,525	11,391	9,026	9,668	19,772	9,668
6:Case 6	7,127	20,875	15,978	6,923	13,252	6,923
7:Case 7	8,305	7,186	24,476	11,295	32,959	11,295
8:Case 8	8,946	17,245	13,287	6,696	9,555	6,696
9:Case 9	7,789	4,130	13,119	9,547	16,413	9,547
10:Case 10	10,171	17,512	27,138	7,367	21,812	7,367
11:Case 11	6,264	10,674	15,889	9,764	14,800	9,764
12:Case 12	4,733	12,703	11,815	5,778	8,359	5,778
13:Case 13	3,011	12,850	8,540	5,609	14,741	5,609
14:Case 14	2,424	6,096	11,076	1,379	10,440	1,379
15:Case 15	3,874	3,049	4,659	4,659	11,977	4,659
16:Case 16	10,440	16,522	10,468	6,984	8,637	6,984
17:Case 17	2,387	6,133	9,252	3,128	10,402	3,128
18:Case 18	4,754	13,551	11,387	5,728	9,663	5,728
19:Case 19	13,265	15,693	16,632	6,470	13,353	6,470
20:Case 20	4,885	8,946	8,644	8,732	14,117	8,732
21:Case 21	6,402	14,455	13,717	7,215	13,135	7,215
22:Case 22	22,931	36,842	28,575	19,897	9,831	19,897
23:Case 23	5,806	13,626	16,460	3,280	14,430	3,280
24:Case 24	4,922	5,488	10,468	6,984	14,154	6,984
25:Case 25	9,059	16,477	24,241	8,042	25,698	8,042
26:Case 26	12,233	15,010	21,466	5,091	11,625	5,091
27:Case 27	12,396	13,370	11,760	8,566	6,272	8,566
28:Case 28	3,882	10,470	8,222	1,632	9,487	1,632
29:Case 29	12,732	17,336	9,421	12,615	14,036	12,615
30:Case 30	6,380	9,547	10,721	4,130	6,989	4,130
31:Case 31	8,594	19,898	17,097	14,254	21,452	14,254
32:Case 32	16,270	24,472	10,117	6,923	4,108	6,923
33:Case 33	17,817	16,679	25,381	17,860	30,156	17,860
34:Case 34	11,592	8,797	5,091	8,109	11,160	8,109
35:Case 35	5,488	10,440	8,042	5,023	6,096	5,023
36:Case 36	5,806	13,626	16,460	3,280	14,430	3,280
37:Case 37	2,989	7,941	5,543	2,525	8,594	2,525
38:Case 38	,000	6,923	9,840	3,803	14,140	3,803
39:Case 39	6,923	,000	10,699	10,234	23,650	10,234
40:Case 40	9,840	10,699	,000	9,697	12,515	9,697
41:Case 41	3,803	10,234	9,697	,000	6,302	,000
42:Case 42	14,140	23,650	12,515	6,302	,000	6,302
43:Case 43	3,803	10,234	9,697	,000	6,302	,000
44:Case 44	6,302	9,625	9,089	5,605	10,016	5,605
45:Case 45	7,157	15,448	9,478	6,926	4,659	6,926
46:Case 46	11,977	29,234	19,407	7,157	3,874	7,157
47:Case 47	15,591	11,476	4,198	17,001	21,372	17,001
48:Case 48	4,146	6,264	11,245	4,654	10,271	4,654
49:Case 49	,893	6,030	12,519	2,911	15,033	2,911
50:Case 50	4,771	12,666	13,638	4,030	8,397	4,030
51:Case 51	8,108	11,446	21,155	14,741	36,476	14,741
52:Case 52	7,018	3,011	6,482	9,123	21,334	9,123
53:Case 53	19,729	24,585	11,790	12,167	7,567	12,167
54:Case 54	9,625	17,336	9,421	6,402	4,716	6,402
55:Case 55	13,202	18,372	2,156	8,746	7,252	8,746

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	6,470	12,963	10,213	10,854	18,200	10,854
57:Case 57	5,023	16,996	14,631	9,059	11,060	9,059
58:Case 58	4,314	9,602	12,369	9,904	18,455	9,904
59:Case 59	3,904	18,635	10,753	5,182	9,421	5,182
60:Case 60	16,270	21,051	10,117	6,923	4,108	6,923
61:Case 61	5,253	10,608	3,280	3,280	7,839	3,280
62:Case 62	6,302	12,732	12,195	2,498	3,803	2,498
63:Case 63	2,503	8,947	18,657	6,030	19,662	6,030
64:Case 64	10,470	20,953	17,767	11,818	19,701	11,818
65:Case 65	8,042	22,425	9,026	9,668	14,254	9,668
66:Case 66	8,528	8,908	5,001	8,108	9,224	8,108
67:Case 67	2,503	6,482	6,030	6,583	13,625	6,583

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	9,089	9,478	19,407	4,198	11,245	12,519
2:Case 2	15,687	23,371	29,007	15,709	20,601	13,861
3:Case 3	11,663	12,518	16,089	12,937	12,265	5,525
4:Case 4	8,732	15,336	13,119	27,122	5,023	3,280
5:Case 5	9,059	11,160	15,898	16,645	8,457	5,204
6:Case 6	9,421	8,566	9,781	18,308	12,782	8,020
7:Case 7	18,790	25,078	32,506	26,805	13,875	5,626
8:Case 8	4,198	12,046	6,989	25,880	4,801	8,053
9:Case 9	7,048	11,476	20,287	18,870	2,134	6,896
10:Case 10	9,865	21,436	16,631	32,889	10,468	5,706
11:Case 11	10,372	9,831	13,945	26,614	3,904	7,157
12:Case 12	3,280	2,424	7,907	14,144	3,882	5,626
13:Case 13	5,001	10,674	10,867	16,159	7,157	3,904
14:Case 14	6,984	8,305	11,295	18,380	3,275	1,531
15:Case 15	7,157	6,302	17,562	6,989	5,001	4,767
16:Case 16	1,379	8,913	9,492	14,666	6,294	9,547
17:Case 17	8,732	4,771	12,968	13,135	5,023	3,280
18:Case 18	14,439	5,510	10,518	20,245	9,177	7,433
19:Case 19	8,968	13,546	17,629	15,541	12,330	10,586
20:Case 20	3,128	8,800	13,261	16,263	2,525	5,778
21:Case 21	1,610	10,854	9,262	21,336	3,766	5,510
22:Case 22	18,615	6,264	11,089	30,590	18,870	25,610
23:Case 23	5,778	15,488	10,556	25,633	6,380	3,128
24:Case 24	1,379	8,913	15,010	14,666	,777	4,030
25:Case 25	15,537	21,825	22,227	26,571	16,139	6,380
26:Case 26	13,802	12,167	15,902	23,481	11,298	9,555
27:Case 27	12,280	6,923	13,164	20,618	7,018	13,289
28:Case 28	4,130	10,268	8,632	17,395	4,733	2,989
29:Case 29	3,904	9,262	16,602	8,644	10,372	13,625
30:Case 30	1,632	4,348	9,555	13,050	2,235	5,488
31:Case 31	5,543	14,322	14,560	23,163	9,252	9,487
32:Case 32	15,634	11,987	9,290	22,396	15,889	17,163
33:Case 33	9,149	30,354	27,590	34,869	10,100	13,353
34:Case 34	10,608	8,042	21,473	3,999	11,210	12,485
35:Case 35	2,525	1,670	8,662	10,371	3,128	6,380
36:Case 36	5,778	15,488	10,556	25,633	6,380	3,128
37:Case 37	5,023	4,168	11,160	7,873	5,626	3,882
38:Case 38	6,302	7,157	11,977	15,591	4,146	,893
39:Case 39	9,625	15,448	29,234	11,476	6,264	6,030
40:Case 40	9,089	9,478	19,407	4,198	11,245	12,519
41:Case 41	5,605	6,926	7,157	17,001	4,654	2,911
42:Case 42	10,016	4,659	3,874	21,372	10,271	15,033
43:Case 43	5,605	6,926	7,157	17,001	4,654	2,911
44:Case 44	,000	7,534	10,872	13,287	2,156	5,409
45:Case 45	7,534	,000	7,225	13,362	6,583	9,836
46:Case 46	10,872	7,225	,000	31,686	11,126	12,870
47:Case 47	13,287	13,362	31,686	,000	16,996	18,270
48:Case 48	2,156	6,583	11,126	16,996	,000	3,253
49:Case 49	5,409	9,836	12,870	18,270	3,253	,000
50:Case 50	1,531	5,958	6,234	19,389	2,134	3,878
51:Case 51	16,023	24,952	33,005	20,379	16,973	7,215
52:Case 52	5,409	16,049	25,208	9,127	6,359	6,125
53:Case 53	20,879	8,528	17,881	13,805	21,133	22,408
54:Case 54	3,904	3,049	7,282	11,751	7,265	10,518
55:Case 55	11,245	8,528	14,144	7,907	14,606	15,881

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	10,246	7,215	19,458	7,568	12,402	9,149
57:Case 57	9,668	5,555	7,187	25,356	5,958	7,702
58:Case 58	12,402	6,264	19,713	11,277	10,246	6,993
59:Case 59	10,787	6,674	5,547	21,479	9,836	6,583
60:Case 60	15,634	8,566	12,711	15,553	15,889	17,163
61:Case 61	5,778	8,344	10,002	12,452	6,380	6,146
62:Case 62	3,106	4,427	4,659	19,499	2,156	5,409
63:Case 63	8,528	11,245	16,191	20,987	6,372	1,610
64:Case 64	11,210	11,751	17,940	15,123	16,125	11,363
65:Case 65	9,059	11,160	10,381	16,645	13,974	10,721
66:Case 66	2,503	4,754	14,808	5,778	4,659	9,421
67:Case 67	9,081	4,654	16,191	8,359	6,926	5,182

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	50:Case 50	51:Case 51	52:Case 52	53:Case 53	54:Case 54	55:Case 55
1:Case 1	13,638	21,155	6,482	11,790	9,421	2,156
2:Case 2	17,218	11,060	13,861	20,543	15,197	17,751
3:Case 3	11,641	9,252	8,632	14,317	12,228	7,789
4:Case 4	7,157	16,820	9,492	25,047	15,785	18,204
5:Case 5	9,081	11,023	8,222	26,996	13,861	13,941
6:Case 6	6,380	12,015	17,163	16,928	5,517	13,822
7:Case 7	17,259	6,133	11,751	33,702	26,733	30,595
8:Case 8	4,176	25,195	11,160	27,259	9,970	13,889
9:Case 9	8,536	22,126	6,984	25,766	14,916	19,238
10:Case 10	6,825	11,411	14,849	34,268	15,788	27,741
11:Case 11	8,797	25,695	13,370	27,298	16,611	20,455
12:Case 12	1,748	16,127	11,751	15,524	2,134	12,417
13:Case 13	5,023	9,723	6,923	23,751	8,830	10,696
14:Case 14	5,409	13,362	7,744	16,305	10,540	12,884
15:Case 15	8,644	13,289	4,855	11,126	8,770	8,020
16:Case 16	2,911	20,161	9,547	19,499	2,525	9,865
17:Case 17	7,157	13,399	9,492	11,060	8,792	11,060
18:Case 18	11,311	22,370	16,752	11,957	12,870	11,642
19:Case 19	8,946	15,889	13,692	14,162	6,926	14,476
20:Case 20	4,659	18,103	5,778	26,614	9,715	13,559
21:Case 21	1,632	16,325	8,528	28,928	7,225	15,873
22:Case 22	13,977	45,609	37,948	16,785	8,108	23,312
23:Case 23	4,247	12,053	9,252	27,012	11,625	17,063
24:Case 24	2,911	14,644	4,030	25,017	8,042	15,382
25:Case 25	12,496	5,379	15,524	27,950	17,963	24,843
26:Case 26	10,674	21,070	18,874	12,434	11,411	18,962
27:Case 27	12,170	36,241	16,572	12,330	12,497	12,015
28:Case 28	4,108	13,424	6,096	18,774	8,192	8,825
29:Case 29	6,989	19,422	10,518	19,691	3,106	10,371
30:Case 30	1,610	17,497	8,594	14,430	2,272	11,323
31:Case 31	5,609	15,687	12,417	36,968	10,925	20,806
32:Case 32	15,524	36,829	20,446	8,591	12,044	4,855
33:Case 33	12,233	24,281	10,246	51,432	24,358	31,849
34:Case 34	13,604	20,806	9,555	5,379	7,751	5,694
35:Case 35	2,503	18,390	9,487	11,751	1,379	8,644
36:Case 36	4,247	12,053	9,252	27,012	11,625	17,063
37:Case 37	5,001	10,895	6,989	9,252	3,878	6,146
38:Case 38	4,771	8,108	7,018	19,729	9,625	13,202
39:Case 39	12,666	11,446	3,011	24,585	17,336	18,372
40:Case 40	13,638	21,155	6,482	11,790	9,421	2,156
41:Case 41	4,030	14,741	9,123	12,167	6,402	8,746
42:Case 42	8,397	36,476	21,334	7,567	4,716	7,252
43:Case 43	4,030	14,741	9,123	12,167	6,402	8,746
44:Case 44	1,531	16,023	5,409	20,879	3,904	11,245
45:Case 45	5,958	24,952	16,049	8,528	3,049	8,528
46:Case 46	6,234	33,005	25,208	17,881	7,282	14,144
47:Case 47	19,389	20,379	9,127	13,805	11,751	7,907
48:Case 48	2,134	16,973	6,359	21,133	7,265	14,606
49:Case 49	3,878	7,215	6,125	22,408	10,518	15,881
50:Case 50	,000	16,089	10,002	20,769	3,882	14,241
51:Case 51	16,089	,000	10,145	36,942	22,528	27,623
52:Case 52	10,002	10,145	,000	25,691	13,625	12,950
53:Case 53	20,769	36,942	25,691	,000	10,371	6,528
54:Case 54	3,882	22,528	13,625	10,371	,000	7,265
55:Case 55	14,241	27,623	12,950	6,528	7,265	,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	10,268	9,836	12,167	15,160	7,157	12,369
57:Case 57	6,583	24,730	16,933	23,281	11,363	16,439
58:Case 58	10,871	10,787	13,118	15,415	10,518	15,730
59:Case 59	7,702	18,615	15,814	16,645	9,723	9,803
60:Case 60	15,524	33,408	20,446	1,748	8,623	4,855
61:Case 61	7,265	18,090	6,234	13,831	8,053	3,882
62:Case 62	1,531	22,236	11,622	14,666	3,904	11,245
63:Case 63	5,488	5,605	10,753	25,125	11,927	22,018
64:Case 64	9,723	10,540	17,399	19,956	7,149	17,165
65:Case 65	9,081	16,540	13,739	21,479	8,344	8,423
66:Case 66	5,543	19,834	6,402	13,370	2,911	7,157
67:Case 67	9,059	12,195	8,288	12,497	8,908	9,391

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	10,213	14,631	12,369	10,753	10,117	3,280
2:Case 2	12,669	35,106	17,583	23,473	16,933	16,679
3:Case 3	8,344	14,652	8,946	5,778	10,858	4,108
4:Case 4	20,975	11,290	17,266	10,171	16,305	6,482
5:Case 5	9,077	5,605	8,474	4,486	23,612	6,067
6:Case 6	4,659	13,861	8,020	7,225	15,180	11,592
7:Case 7	17,684	23,607	12,770	20,250	28,382	18,027
8:Case 8	21,287	7,338	21,889	8,457	18,593	5,001
9:Case 9	18,804	9,602	13,889	16,238	20,521	9,764
10:Case 10	19,240	20,552	19,843	16,674	25,452	15,684
11:Case 11	20,467	3,027	14,000	9,663	22,128	9,547
12:Case 12	5,023	6,470	5,626	7,589	13,775	8,938
13:Case 13	8,591	7,877	10,747	3,999	18,581	3,795
14:Case 14	12,233	7,680	8,524	6,561	11,060	4,659
15:Case 15	6,923	10,608	4,767	9,489	9,378	4,801
16:Case 16	11,625	13,805	16,540	12,166	14,254	7,157
17:Case 17	6,989	7,567	3,280	6,448	9,312	6,332
18:Case 18	12,545	4,885	7,282	3,766	10,284	6,989
19:Case 19	10,947	25,281	14,309	18,645	10,552	13,404
20:Case 20	13,223	4,754	12,620	8,632	21,445	5,409
21:Case 21	13,768	8,058	15,924	9,177	21,973	7,186
22:Case 22	18,362	16,490	18,617	19,847	18,533	26,088
23:Case 23	16,511	12,691	17,114	8,813	18,270	6,590
24:Case 24	11,625	8,288	11,023	12,166	19,772	7,157
25:Case 25	12,922	24,362	13,524	15,488	22,630	16,283
26:Case 26	15,781	21,143	13,277	17,266	8,825	15,131
27:Case 27	21,973	9,316	16,710	13,194	8,871	8,594
28:Case 28	12,801	8,981	13,404	5,103	11,818	1,648
29:Case 29	7,157	17,575	13,625	15,936	17,942	11,160
30:Case 30	8,457	9,904	9,059	11,023	10,895	7,567
31:Case 31	12,620	10,016	16,329	11,135	31,798	12,396
32:Case 32	23,751	16,477	24,006	9,840	3,421	5,240
33:Case 33	33,381	22,887	34,332	26,765	39,194	16,631
34:Case 34	8,461	20,037	9,064	16,159	5,341	8,452
35:Case 35	5,778	7,225	6,380	8,344	10,002	6,674
36:Case 36	16,511	12,691	17,114	8,813	18,270	6,590
37:Case 37	3,280	9,723	3,882	5,845	7,504	4,176
38:Case 38	6,470	5,023	4,314	3,904	16,270	5,253
39:Case 39	12,963	16,996	9,602	18,635	21,051	10,608
40:Case 40	10,213	14,631	12,369	10,753	10,117	3,280
41:Case 41	10,854	9,059	9,904	5,182	6,923	3,280
42:Case 42	18,200	11,060	18,455	9,421	4,108	7,839
43:Case 43	10,854	9,059	9,904	5,182	6,923	3,280
44:Case 44	10,246	9,668	12,402	10,787	15,634	5,778
45:Case 45	7,215	5,555	6,264	6,674	8,566	8,344
46:Case 46	19,458	7,187	19,713	5,547	12,711	10,002
47:Case 47	7,568	25,356	11,277	21,479	15,553	12,452
48:Case 48	12,402	5,958	10,246	9,836	15,889	6,380
49:Case 49	9,149	7,702	6,993	6,583	17,163	6,146
50:Case 50	10,268	6,583	10,871	7,702	15,524	7,265
51:Case 51	9,836	24,730	10,787	18,615	33,408	18,090
52:Case 52	12,167	16,933	13,118	15,814	20,446	6,234
53:Case 53	15,160	23,281	15,415	16,645	1,748	13,831
54:Case 54	7,157	11,363	10,518	9,723	8,623	8,053
55:Case 55	12,369	16,439	15,730	9,803	4,855	3,882

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	14,682	2,156	10,804	16,909	12,386
57:Case 57	14,682	,000	10,973	3,878	19,898	8,566
58:Case 58	2,156	10,973	,000	9,854	17,163	12,989
59:Case 59	10,804	3,878	9,854	,000	13,262	4,688
60:Case 60	16,909	19,898	17,163	13,262	,000	8,662
61:Case 61	12,386	8,566	12,989	4,688	8,662	,000
62:Case 62	13,353	6,561	12,402	7,680	9,421	5,778
63:Case 63	7,338	11,023	5,182	9,904	21,590	12,485
64:Case 64	3,027	20,467	7,941	13,831	19,919	16,645
65:Case 65	9,077	11,122	13,992	4,486	18,095	6,067
66:Case 66	7,265	11,818	9,421	12,937	11,622	6,696
67:Case 67	3,766	7,451	1,610	6,332	12,535	6,448

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	12,195	18,657	17,767	9,026	5,001	6,030
2:Case 2	18,793	13,559	9,089	18,988	16,554	17,684
3:Case 3	11,663	8,644	11,094	7,157	12,380	5,626
4:Case 4	5,626	8,109	22,912	17,415	14,732	12,235
5:Case 5	12,166	8,524	14,863	5,517	11,210	4,952
6:Case 6	9,421	6,410	1,632	5,845	11,446	9,429
7:Case 7	18,790	5,525	20,870	27,147	22,877	12,669
8:Case 8	4,198	14,594	22,251	9,836	10,122	15,147
9:Case 9	7,048	11,524	26,794	23,134	8,042	9,059
10:Case 10	9,865	5,806	13,614	18,053	18,958	19,541
11:Case 11	7,265	11,987	28,735	19,666	12,799	8,968
12:Case 12	3,280	5,525	6,264	8,968	3,795	5,525
13:Case 13	8,108	7,225	9,832	2,272	8,938	7,225
14:Case 14	3,878	4,650	15,956	13,805	9,487	5,204
15:Case 15	7,157	7,684	13,941	13,626	4,654	1,648
16:Case 16	4,486	12,666	9,831	7,680	3,882	13,219
17:Case 17	5,626	4,688	12,497	13,692	7,739	1,670
18:Case 18	8,226	10,552	19,839	14,117	13,370	3,962
19:Case 19	8,968	10,284	7,367	17,266	9,836	14,409
20:Case 20	6,234	10,608	18,732	9,663	5,555	7,589
21:Case 21	4,716	8,830	13,223	7,449	7,333	12,402
22:Case 22	12,402	23,799	18,630	24,681	15,634	20,227
23:Case 23	5,778	6,448	14,180	10,193	13,287	13,592
24:Case 24	4,486	7,149	15,348	13,197	3,882	7,702
25:Case 25	15,537	4,771	9,081	16,867	21,133	14,933
26:Case 26	7,589	9,252	14,959	24,858	14,670	13,378
27:Case 27	6,067	19,427	30,500	23,545	9,979	10,371
28:Case 28	4,130	7,819	13,765	6,482	8,344	8,372
29:Case 29	10,117	15,033	7,149	8,344	2,911	12,015
30:Case 30	1,632	6,896	9,421	12,402	2,424	7,449
31:Case 31	11,756	11,298	12,352	6,302	10,989	14,317
32:Case 32	9,421	25,012	26,761	14,674	15,043	15,956
33:Case 33	15,362	19,893	33,532	24,690	18,645	27,590
34:Case 34	10,608	15,201	14,230	17,538	4,885	6,146
35:Case 35	2,525	7,789	8,528	9,723	1,531	4,771
36:Case 36	5,778	6,448	14,180	10,193	13,287	13,592
37:Case 37	5,023	5,291	6,030	7,225	4,030	2,272
38:Case 38	6,302	2,503	10,470	8,042	8,528	2,503
39:Case 39	12,732	8,947	20,953	22,425	8,908	6,482
40:Case 40	12,195	18,657	17,767	9,026	5,001	6,030
41:Case 41	2,498	6,030	11,818	9,668	8,108	6,583
42:Case 42	3,803	19,662	19,701	14,254	9,224	13,625
43:Case 43	2,498	6,030	11,818	9,668	8,108	6,583
44:Case 44	3,106	8,528	11,210	9,059	2,503	9,081
45:Case 45	4,427	11,245	11,751	11,160	4,754	4,654
46:Case 46	4,659	16,191	17,940	10,381	14,808	16,191
47:Case 47	19,499	20,987	15,123	16,645	5,778	8,359
48:Case 48	2,156	6,372	16,125	13,974	4,659	6,926
49:Case 49	5,409	1,610	11,363	10,721	9,421	5,182
50:Case 50	1,531	5,488	9,723	9,081	5,543	9,059
51:Case 51	22,236	5,605	10,540	16,540	19,834	12,195
52:Case 52	11,622	10,753	17,399	13,739	6,402	8,288
53:Case 53	14,666	25,125	19,956	21,479	13,370	12,497
54:Case 54	3,904	11,927	7,149	8,344	2,911	8,908
55:Case 55	11,245	22,018	17,165	8,423	7,157	9,391

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	62:Case 62	63:Case 63	64:Case 64	65:Case 65	66:Case 66	67:Case 67
56:Case 56	13,353	7,338	3,027	9,077	7,265	3,766
57:Case 57	6,561	11,023	20,467	11,122	11,818	7,451
58:Case 58	12,402	5,182	7,941	13,992	9,421	1,610
59:Case 59	7,680	9,904	13,831	4,486	12,937	6,332
60:Case 60	9,421	21,590	19,919	18,095	11,622	12,535
61:Case 61	5,778	12,485	16,645	6,067	6,696	6,448
62:Case 62	,000	8,528	14,317	12,166	5,609	9,081
63:Case 63	8,528	,000	8,042	14,042	12,339	6,590
64:Case 64	14,317	8,042	,000	9,345	11,524	11,060
65:Case 65	12,166	14,042	9,345	,000	11,210	10,470
66:Case 66	5,609	12,339	11,524	11,210	,000	6,302
67:Case 67	9,081	6,590	11,060	10,470	6,302	,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	41	43	,000	0	0	10
2	1	40	,000	0	0	34
3	23	36	,000	0	0	25
4	12	35	,755	0	0	7
5	24	48	,777	0	0	9
6	38	49	,893	0	0	14
7	12	30	,893	4	0	8
8	12	54	1,379	7	0	15
9	24	44	1,379	5	0	11
10	14	41	1,379	0	1	14
11	16	24	1,379	0	9	12
12	16	50	1,531	11	0	13
13	16	62	1,531	12	0	17
14	14	38	1,531	10	6	19
15	12	66	1,531	8	0	20
16	15	17	1,531	0	0	24
17	16	21	1,610	13	0	20
18	58	67	1,610	0	0	24
19	14	63	1,610	14	0	21
20	12	16	1,610	15	17	26
21	14	28	1,632	19	0	23
22	6	64	1,632	0	0	47
23	14	61	1,648	21	0	25
24	15	58	1,648	16	18	30
25	14	23	1,648	23	3	28
26	12	45	1,670	20	0	27
27	12	20	1,748	26	0	31
28	4	14	1,748	0	25	30
29	53	60	1,748	0	0	53
30	4	15	1,748	28	24	32
31	9	12	2,134	0	27	37
32	4	37	2,134	30	0	33
33	4	56	2,156	32	0	38

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
34	1	55	2,156	2	0	50
35	13	65	2,272	0	0	36
36	5	13	2,272	0	35	38
37	8	9	2,387	0	31	39
38	4	5	2,424	33	36	40
39	8	31	2,424	37	0	40
40	4	8	2,498	38	39	41
41	4	10	2,503	40	0	42
42	4	18	2,525	41	0	43
43	4	29	2,525	42	0	44
44	4	34	2,989	43	0	47
45	39	52	3,011	0	0	48
46	11	57	3,027	0	0	51
47	4	6	3,027	44	22	48
48	4	39	3,049	47	45	50
49	2	19	3,275	0	0	60
50	1	4	3,280	34	48	51
51	1	11	3,280	50	46	52
52	1	3	3,354	51	0	54
53	32	53	3,421	0	29	58
54	1	59	3,766	52	0	55
55	1	42	3,803	54	0	56
56	1	46	3,874	55	0	57
57	1	47	3,999	56	0	58
58	1	32	4,108	57	53	59
59	1	25	4,247	58	0	61
60	2	26	4,486	49	0	61
61	1	2	5,091	59	60	62
62	1	51	5,379	61	0	63
63	1	7	5,525	62	0	64
64	1	27	6,030	63	0	65
65	1	22	6,264	64	0	66
66	1	33	7,338	65	0	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	33:Case 33		22:Case 22		27:Case 27		7:Case 7		51:Case 51		26:Case 26		19:Case 19		2:Case 2	
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	X	
15	X		X		X		X		X		X		X	X	X	
16	X		X		X		X		X		X		X	X	X	
17	X		X		X		X		X		X		X	X	X	
18	X		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															
	33:Case 33		22:Case 22		27:Case 27		7:Case 7		51:Case 51		26:Case 26		19:Case 19		2:Case 2	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	25:Case 25		60:Case 60		53:Case 53		32:Case 32		47:Case 47		46:Case 46		42:Case 42		59:Case 59	
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
14	X		X	X	X	X	X		X		X		X		X	
15	X		X	X	X		X		X		X		X		X	
16	X		X	X	X		X		X		X		X		X	
17	X		X	X	X		X		X		X		X		X	
18	X		X	X	X		X		X		X		X		X	
19	X		X	X	X		X		X		X		X		X	
20	X		X	X	X		X		X		X		X		X	
21	X		X	X	X		X		X		X		X		X	
22	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		X	
29	X		X	X	X		X		X		X		X		X	
30	X		X	X	X		X		X		X		X		X	
31	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	
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															
	25:Case 25		60:Case 60		53:Case 53		32:Case 32		47:Case 47		46:Case 46		42:Case 42		59:Case 59	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	3:Case 3		57:Case 57		11:Case 11		52:Case 52		39:Case 39		64:Case 64		6:Case 6		34:Case 34	
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
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
22	X		X		X		X	X	X		X	X	X		X	X
23	X		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		X	
29	X		X		X		X		X		X	X	X		X	
30	X		X		X		X		X		X	X	X		X	
31	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	
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															
	3:Case 3		57:Case 57		11:Case 11		52:Case 52		39:Case 39		64:Case 64		6:Case 6		34:Case 34	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	29:Case 29		18:Case 18		10:Case 10		31:Case 31		20:Case 20		45:Case 45		21:Case 21		62:Case 62	
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	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
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
52	X		X		X		X		X		X		X		X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	29:Case 29		18:Case 18		10:Case 10		31:Case 31		20:Case 20		45:Case 45		21:Case 21		62:Case 62	
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	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	50:Case 50		44:Case 44		48:Case 48		24:Case 24		16:Case 16		66:Case 66		54:Case 54		30:Case 30	
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	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	X
50	X	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	X	X
52	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	50:Case 50		44:Case 44		48:Case 48		24:Case 24		16:Case 16		66:Case 66		54:Case 54		30:Case 30	
53	X	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	X
55	X	X	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	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
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	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	35:Case 35		12:Case 12		9:Case 9		8:Case 8		65:Case 65		13:Case 13		5:Case 5		56:Case 56	
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
29	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
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
34	X	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															
	35:Case 35		12:Case 12		9:Case 9		8:Case 8		65:Case 65		13:Case 13		5:Case 5		56:Case 56	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	37:Case 37		67:Case 67		58:Case 58		17:Case 17		15:Case 15		36:Case 36		23:Case 23		61:Case 61	
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
37	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
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
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	
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															
	37:Case 37		67:Case 67		58:Case 58		17:Case 17		15:Case 15		36:Case 36		23:Case 23		61:Case 61	
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	
66	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	28:Case 28		63:Case 63		49:Case 49		38:Case 38		43:Case 43		41:Case 41		14:Case 14		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	
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	X	
22	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	
24	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	X	
27	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	
29	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	
31	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	
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	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	X	
37	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		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		X	
46	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	
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	
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															
	28:Case 28		63:Case 63		49:Case 49		38:Case 38		43:Case 43		41:Case 41		14:Case 14		4:Case 4	
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	
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	
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	
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	

Vertikales Eiszapfendiagramm

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

Vertikales Eiszapfendiagramm

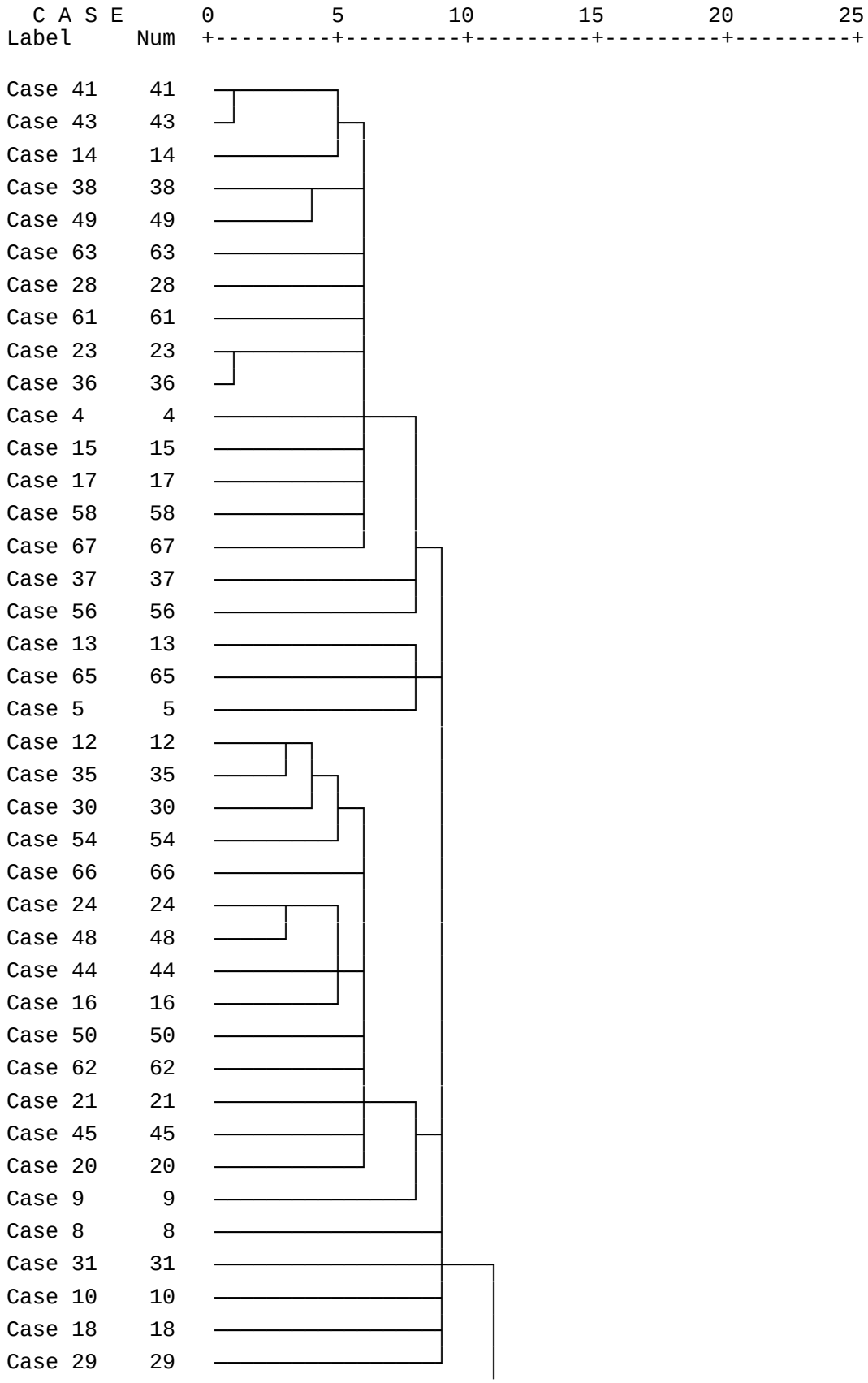
Anzahl der Cluster	Fall				
	55:Case 55		40:Case 40		1:Case 1
53	X		X	X	X
54	X		X	X	X
55	X		X	X	X
56	X		X	X	X
57	X		X	X	X
58	X		X	X	X
59	X		X	X	X
60	X		X	X	X
61	X		X	X	X
62	X		X	X	X
63	X		X	X	X
64	X		X	X	X
65	X		X	X	X
66	X		X		X

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 * * * * * *

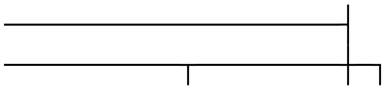
Dendrogram using Single Linkage

Rescaled Distance Cluster Combine

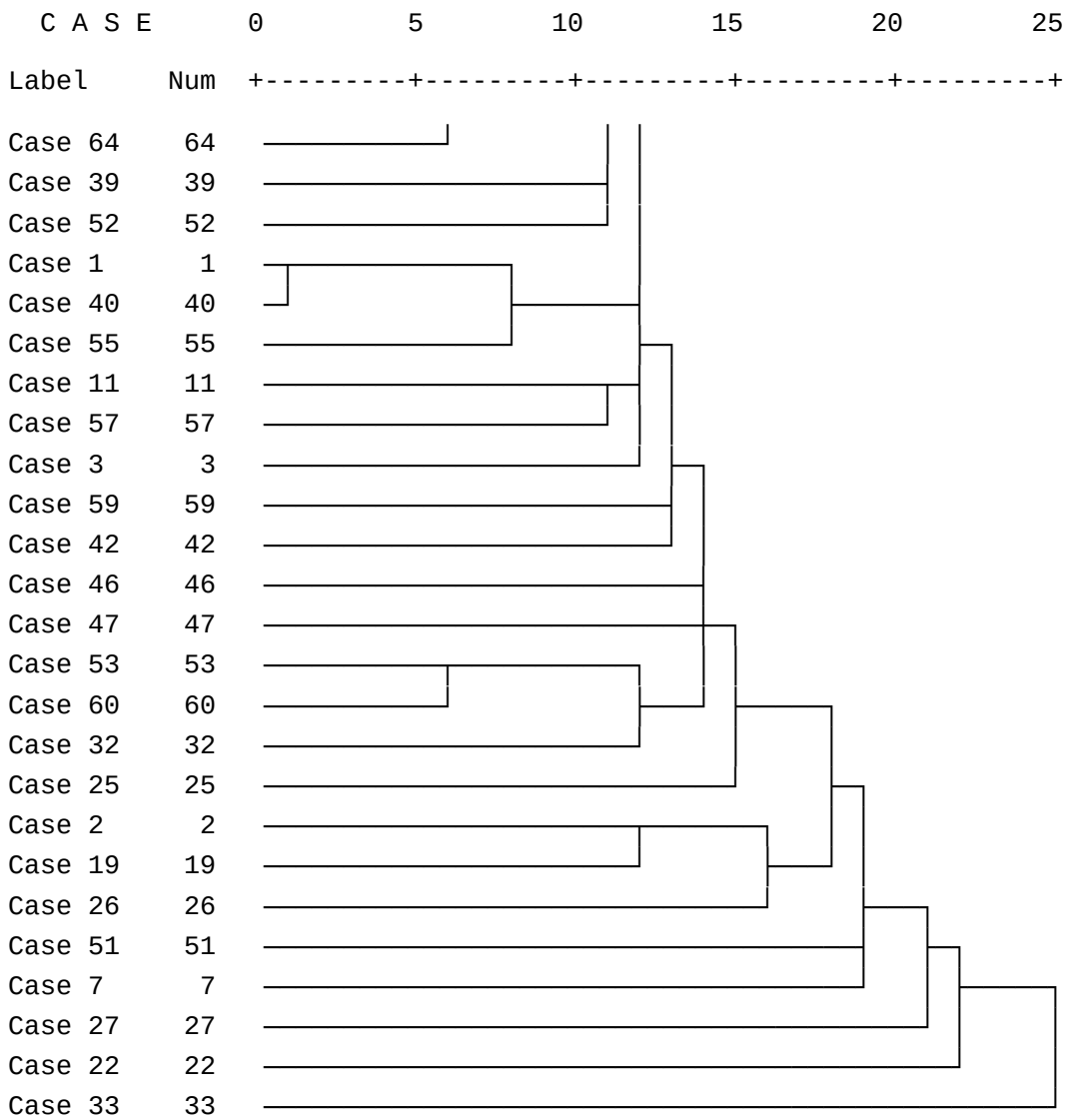


Case 34 34

Case 6 6



* * * * * * 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

[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_TrainingParticipation.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	8,358	18,458	9,328	16,560	15,340	15,388
2:Case 2	8,358	,000	10,970	8,578	8,937	18,497	21,581
3:Case 3	18,458	10,970	,000	13,684	18,093	7,819	8,578
4:Case 4	9,328	8,578	13,684	,000	12,665	11,729	14,006
5:Case 5	16,560	8,937	18,093	12,665	,000	17,649	26,095
6:Case 6	15,340	18,497	7,819	11,729	17,649	,000	10,747
7:Case 7	15,388	21,581	8,578	14,006	26,095	10,747	,000
8:Case 8	29,815	15,891	7,452	20,927	11,948	14,472	20,592
9:Case 9	18,078	21,598	9,144	10,226	24,992	9,033	3,635
10:Case 10	13,111	15,332	14,602	10,693	5,702	10,429	11,200
11:Case 11	8,839	5,989	9,973	2,589	6,998	7,039	15,473
12:Case 12	12,250	6,862	2,008	9,391	12,069	9,643	6,570
13:Case 13	5,175	6,660	9,659	8,786	12,988	15,372	6,951
14:Case 14	12,180	17,073	15,042	15,478	9,316	6,239	15,480
15:Case 15	10,057	6,769	8,032	9,114	10,061	15,482	8,578
16:Case 16	12,392	9,467	11,277	9,533	14,674	16,449	13,377
17:Case 17	9,987	16,981	11,078	5,213	17,296	4,416	5,175
18:Case 18	15,393	17,251	10,226	9,144	11,452	2,585	11,019
19:Case 19	18,109	9,321	3,167	11,859	10,330	6,171	14,604
20:Case 20	12,180	17,073	8,886	9,321	15,473	6,239	3,167
21:Case 21	26,825	8,194	12,679	19,853	9,144	26,322	28,611
22:Case 22	24,135	14,910	11,028	28,186	13,207	23,253	18,675
23:Case 23	9,063	5,412	3,458	7,367	9,456	4,362	11,277
24:Case 24	10,855	19,586	25,409	16,069	9,914	14,683	20,093
25:Case 25	12,467	15,623	10,693	14,602	9,029	8,620	7,873
26:Case 26	18,424	21,083	19,996	7,621	12,248	8,518	18,469
27:Case 27	11,364	12,411	14,262	21,854	19,449	13,461	23,497
28:Case 28	5,750	10,271	18,264	18,909	14,641	22,815	15,201
29:Case 29	9,316	14,573	13,843	11,452	7,979	9,670	8,923
30:Case 30	18,109	9,321	3,167	11,859	10,330	6,171	14,604
31:Case 31	5,912	4,362	10,439	8,048	4,575	13,074	12,327
32:Case 32	10,289	5,702	6,786	2,876	7,873	10,583	9,029
33:Case 33	12,074	13,196	10,653	12,607	22,602	19,808	5,230
34:Case 34	,000	8,358	18,458	9,328	16,560	15,340	15,388
35:Case 35	10,711	5,322	3,547	10,930	7,452	8,104	11,188
36:Case 36	14,569	19,388	16,346	22,421	14,667	10,653	18,376
37:Case 37	10,711	5,322	3,547	10,930	7,452	8,104	11,188
38:Case 38	10,640	15,534	10,425	10,860	10,855	4,700	7,784
39:Case 39	10,872	16,492	18,225	13,007	9,898	13,689	12,942
40:Case 40	21,598	20,345	15,388	18,427	11,468	7,780	22,370
41:Case 41	4,700	14,795	30,463	17,859	19,165	29,439	21,825
42:Case 42	13,048	16,205	6,280	10,190	14,604	5,370	2,298
43:Case 43	13,439	6,752	3,635	6,027	8,923	9,533	7,979
44:Case 44	15,304	15,425	8,578	10,970	7,710	4,590	9,193
45:Case 45	7,367	10,226	10,583	9,063	18,469	13,007	8,417
46:Case 46	13,187	16,334	28,132	29,424	17,626	30,978	29,521
47:Case 47	10,855	16,112	18,461	16,069	6,440	11,209	16,619
48:Case 48	2,408	9,029	20,470	14,814	14,152	16,011	22,216
49:Case 49	10,662	9,913	23,843	10,159	5,175	24,557	21,497
50:Case 50	16,206	18,790	13,614	6,878	16,069	8,325	10,602
51:Case 51	13,070	10,583	19,699	9,489	8,923	25,227	16,011
52:Case 52	11,263	7,039	11,749	5,013	8,048	10,190	18,623
53:Case 53	11,364	12,411	18,093	25,685	15,618	21,123	23,497
54:Case 54	3,635	5,121	7,367	6,494	12,201	6,171	11,568
55:Case 55	14,114	15,534	6,951	14,334	10,855	4,700	7,784

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	19,710	9,987	8,786	9,659	7,207	16,599	12,732
57:Case 57	18,565	12,679	25,487	16,586	1,826	25,222	29,837
58:Case 58	9,328	8,578	19,841	6,157	6,509	11,729	26,319
59:Case 59	6,171	16,201	17,208	12,860	12,643	11,298	9,033
60:Case 60	6,401	6,951	14,151	5,459	10,243	17,764	10,860

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
1:Case 1	29,815	18,078	13,111	8,839	12,250	5,175
2:Case 2	15,891	21,598	15,332	5,989	6,862	6,660
3:Case 3	7,452	9,144	14,602	9,973	2,008	9,659
4:Case 4	20,927	10,226	10,693	2,589	9,391	8,786
5:Case 5	11,948	24,992	5,702	6,998	12,069	12,988
6:Case 6	14,472	9,033	10,429	7,039	9,643	15,372
7:Case 7	20,592	3,635	11,200	15,473	6,570	6,951
8:Case 8	,000	23,874	14,572	12,036	9,644	18,779
9:Case 9	23,874	,000	11,615	13,793	6,951	10,402
10:Case 10	14,572	11,615	,000	8,104	8,578	7,979
11:Case 11	12,036	13,793	8,104	,000	7,780	9,275
12:Case 12	9,644	6,951	8,578	7,780	,000	3,635
13:Case 13	18,779	10,402	7,979	9,275	3,635	,000
14:Case 14	13,048	19,334	5,175	7,710	13,034	13,196
15:Case 15	15,853	8,774	6,570	9,603	2,008	1,628
16:Case 16	24,851	7,819	11,184	12,123	5,069	6,241
17:Case 17	19,256	5,013	6,998	5,702	8,886	8,863
18:Case 18	10,190	11,440	5,750	4,454	10,134	13,729
19:Case 19	2,767	15,388	11,436	5,069	5,175	12,607
20:Case 20	13,048	7,021	5,175	7,710	6,878	7,039
21:Case 21	5,412	31,708	18,575	13,063	10,855	15,975
22:Case 22	11,391	23,250	12,795	21,396	7,289	10,930
23:Case 23	8,194	11,479	9,044	2,678	3,365	7,179
24:Case 24	21,862	25,500	5,772	10,402	19,385	13,793
25:Case 25	11,598	11,906	1,809	9,913	6,769	6,752
26:Case 26	17,287	17,009	8,064	5,031	17,803	19,079
27:Case 27	27,566	21,161	19,079	16,187	12,069	14,221
28:Case 28	25,426	22,085	11,193	16,320	10,325	3,256
29:Case 29	16,849	10,856	,759	8,863	7,819	5,702
30:Case 30	2,767	15,388	11,436	5,069	5,175	12,607
31:Case 31	13,445	14,260	4,163	5,459	4,416	2,298
32:Case 32	11,749	7,528	5,901	3,365	2,678	3,994
33:Case 33	19,014	12,518	14,515	14,074	6,730	3,458
34:Case 34	29,815	18,078	13,111	8,839	12,250	5,175
35:Case 35	8,105	11,568	7,039	6,241	1,539	5,175
36:Case 36	24,699	16,437	9,007	16,753	12,238	13,992
37:Case 37	8,105	11,568	7,039	6,241	1,539	5,175
38:Case 38	11,509	11,638	3,635	6,171	8,417	8,578
39:Case 39	25,068	11,038	2,678	12,518	10,101	7,621
40:Case 40	19,585	15,480	8,844	12,759	13,196	19,902
41:Case 41	36,251	30,083	15,717	17,370	20,423	7,780
42:Case 42	12,180	4,416	4,306	8,578	4,272	6,171
43:Case 43	6,499	8,578	6,951	4,416	1,628	5,044
44:Case 44	8,363	9,792	2,008	6,280	6,570	9,987
45:Case 45	16,045	15,526	13,461	7,452	8,575	5,482
46:Case 46	37,791	30,831	17,256	25,857	18,093	12,397
47:Case 47	18,388	18,552	2,298	10,402	12,437	10,319
48:Case 48	30,485	23,168	13,782	11,247	14,262	8,923
49:Case 49	22,261	23,464	6,280	9,670	13,804	7,452
50:Case 50	24,330	3,348	7,289	9,467	9,321	12,190
51:Case 51	22,931	16,241	6,951	12,078	9,659	5,044
52:Case 52	19,387	11,370	9,154	4,524	7,456	10,325
53:Case 53	27,566	24,992	15,248	20,018	12,069	10,390
54:Case 54	17,240	11,188	10,271	3,905	5,175	5,370
55:Case 55	11,509	8,164	3,635	9,645	4,943	8,578

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	6,697	13,729	6,752	8,048	4,862	7,881
57:Case 57	15,690	32,386	7,528	10,918	17,548	14,814
58:Case 58	20,927	22,539	10,693	2,589	15,548	14,942
59:Case 59	21,512	14,221	3,905	10,271	11,184	5,811
60:Case 60	22,335	10,693	6,752	8,048	6,027	1,809

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	12,180	10,057	12,392	9,987	15,393	18,109
2:Case 2	17,073	6,769	9,467	16,981	17,251	9,321
3:Case 3	15,042	8,032	11,277	11,078	10,226	3,167
4:Case 4	15,478	9,114	9,533	5,213	9,144	11,859
5:Case 5	9,316	10,061	14,674	17,296	11,452	10,330
6:Case 6	6,239	15,482	16,449	4,416	2,585	6,171
7:Case 7	15,480	8,578	13,377	5,175	11,019	14,604
8:Case 8	13,048	15,853	24,851	19,256	10,190	2,767
9:Case 9	19,334	8,774	7,819	5,013	11,440	15,388
10:Case 10	5,175	6,570	11,184	6,998	5,750	11,436
11:Case 11	7,710	9,603	12,123	5,702	4,454	5,069
12:Case 12	13,034	2,008	5,069	8,886	10,134	5,175
13:Case 13	13,196	1,628	6,241	8,863	13,729	12,607
14:Case 14	,000	15,042	21,577	8,164	3,256	8,578
15:Case 15	15,042	,000	2,876	10,709	14,057	11,198
16:Case 16	21,577	2,876	,000	13,228	18,677	16,181
17:Case 17	8,164	10,709	13,228	,000	3,348	10,771
18:Case 18	3,256	14,057	18,677	3,348	,000	5,322
19:Case 19	8,578	11,198	16,181	10,771	5,322	,000
20:Case 20	6,157	8,886	15,421	2,008	3,256	8,578
21:Case 21	21,067	13,048	21,862	27,091	20,124	7,994
22:Case 22	17,641	7,566	14,822	25,580	21,650	12,853
23:Case 23	6,769	7,289	10,171	6,862	5,031	1,809
24:Case 24	2,876	17,377	25,464	10,856	8,048	17,208
25:Case 25	3,365	6,862	13,575	7,289	5,459	9,044
26:Case 26	7,452	19,627	23,883	5,444	2,678	11,837
27:Case 27	16,264	13,892	11,200	20,413	20,641	16,045
28:Case 28	13,729	6,401	12,930	17,468	20,774	19,652
29:Case 29	4,416	5,811	10,425	6,239	6,509	12,195
30:Case 30	8,578	11,198	16,181	10,771	5,322	,000
31:Case 31	7,819	2,408	7,021	9,643	9,913	8,791
32:Case 32	12,238	2,585	5,283	5,989	7,819	6,697
33:Case 33	18,973	6,822	15,273	10,583	16,428	14,942
34:Case 34	12,180	10,057	12,392	9,987	15,393	18,109
35:Case 35	8,417	3,547	6,608	10,425	8,595	3,635
36:Case 36	9,626	12,146	11,370	15,690	14,400	16,611
37:Case 37	8,417	3,547	6,608	10,425	8,595	3,635
38:Case 38	1,539	10,425	16,960	3,547	1,717	7,039
39:Case 39	10,171	5,993	6,769	9,894	12,265	18,314
40:Case 40	10,583	15,019	12,327	14,732	10,406	12,618
41:Case 41	16,879	14,400	22,302	18,518	23,924	28,376
42:Case 42	7,025	6,280	11,078	2,876	4,124	7,710
43:Case 43	11,188	3,635	8,434	7,039	6,769	3,547
44:Case 44	3,167	8,578	13,377	5,175	1,826	5,412
45:Case 45	11,188	10,583	18,856	7,039	9,805	10,057
46:Case 46	22,288	12,069	13,024	30,083	32,411	29,916
47:Case 47	2,876	10,429	15,042	10,856	8,048	13,734
48:Case 48	11,509	12,069	12,667	15,473	17,801	18,779
49:Case 49	13,734	7,780	13,946	15,372	16,225	18,940
50:Case 50	15,548	9,044	5,989	5,283	9,214	15,263
51:Case 51	19,220	3,635	8,064	14,702	18,632	19,610
52:Case 52	14,334	7,179	4,124	10,226	11,078	10,320
53:Case 53	16,264	10,061	11,200	24,244	24,472	19,876
54:Case 54	8,578	6,998	7,780	6,570	8,358	7,237
55:Case 55	5,013	6,951	10,012	7,021	5,191	7,039

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	14,423	4,955	11,668	12,190	10,402	7,179
57:Case 57	11,321	13,624	21,890	21,217	15,372	15,987
58:Case 58	9,321	15,271	15,690	11,370	9,144	11,859
59:Case 59	4,306	9,176	15,526	6,129	7,917	15,340
60:Case 60	15,587	1,919	4,432	9,154	14,602	15,581

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	12,180	26,825	24,135	9,063	10,855	12,467
2:Case 2	17,073	8,194	14,910	5,412	19,586	15,623
3:Case 3	8,886	12,679	11,028	3,458	25,409	10,693
4:Case 4	9,321	19,853	28,186	7,367	16,069	14,602
5:Case 5	15,473	9,144	13,207	9,456	9,914	9,029
6:Case 6	6,239	26,322	23,253	4,362	14,683	8,620
7:Case 7	3,167	28,611	18,675	11,277	20,093	7,873
8:Case 8	13,048	5,412	11,391	8,194	21,862	11,598
9:Case 9	7,021	31,708	23,250	11,479	25,500	11,906
10:Case 10	5,175	18,575	12,795	9,044	5,772	1,809
11:Case 11	7,710	13,063	21,396	2,678	10,402	9,913
12:Case 12	6,878	10,855	7,289	3,365	19,385	6,769
13:Case 13	7,039	15,975	10,930	7,179	13,793	6,752
14:Case 14	6,157	21,067	17,641	6,769	2,876	3,365
15:Case 15	8,886	13,048	7,566	7,289	17,377	6,862
16:Case 16	15,421	21,862	14,822	10,171	25,464	13,575
17:Case 17	2,008	27,091	25,580	6,862	10,856	7,289
18:Case 18	3,256	20,124	21,650	5,031	8,048	5,459
19:Case 19	8,578	7,994	12,853	1,809	17,208	9,044
20:Case 20	,000	21,067	17,641	6,769	9,033	3,365
21:Case 21	21,067	,000	10,872	11,321	25,865	17,702
22:Case 22	17,641	10,872	,000	13,144	23,997	8,886
23:Case 23	6,769	11,321	13,144	,000	13,298	7,235
24:Case 24	9,033	25,865	23,997	13,298	,000	6,063
25:Case 25	3,365	17,702	8,886	7,235	6,063	,000
26:Case 26	7,452	25,121	33,157	10,964	8,406	11,391
27:Case 27	22,421	28,593	17,396	9,099	24,167	16,334
28:Case 28	13,729	20,706	10,711	12,706	12,411	8,448
29:Case 29	4,416	20,852	12,036	8,285	5,013	1,050
30:Case 30	8,578	7,994	12,853	1,809	17,208	9,044
31:Case 31	7,819	10,640	8,632	4,881	8,417	4,454
32:Case 32	6,081	10,860	13,804	4,306	14,751	7,710
33:Case 33	6,660	18,310	16,740	11,615	19,934	11,188
34:Case 34	12,180	26,825	24,135	9,063	10,855	12,467
35:Case 35	8,417	9,316	5,750	1,826	14,767	5,230
36:Case 36	15,782	30,618	13,734	11,184	15,613	7,780
37:Case 37	8,417	9,316	5,750	1,826	14,767	5,230
38:Case 38	1,539	19,528	16,102	5,230	4,416	1,826
39:Case 39	10,171	26,971	14,681	12,304	10,406	5,069
40:Case 40	16,740	27,419	18,523	10,226	18,486	10,653
41:Case 41	16,879	29,431	26,383	19,331	9,987	15,072
42:Case 42	,868	20,198	13,298	5,901	11,638	2,497
43:Case 43	5,031	7,710	10,653	3,256	15,801	6,660
44:Case 44	3,167	16,382	12,518	5,121	7,780	1,717
45:Case 45	5,031	17,256	21,075	6,730	12,327	10,134
46:Case 46	28,445	30,970	14,026	20,870	22,344	16,611
47:Case 47	9,033	22,391	13,575	9,824	3,474	2,589
48:Case 48	17,665	27,496	21,332	9,733	11,922	13,137
49:Case 49	13,734	15,440	18,027	14,448	8,578	10,190
50:Case 50	9,391	30,064	24,642	10,771	19,613	11,198
51:Case 51	13,063	16,111	15,223	15,119	15,801	10,860
52:Case 52	14,334	18,314	19,699	5,828	18,400	13,063
53:Case 53	22,421	24,762	9,733	12,930	20,336	12,503
54:Case 54	8,578	18,267	17,054	1,809	13,007	9,044
55:Case 55	5,013	19,528	9,154	5,230	11,364	1,826

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	8,266	5,993	10,057	8,406	17,121	7,979
57:Case 57	17,478	10,970	16,592	15,114	8,266	10,855
58:Case 58	15,478	19,853	28,186	7,367	9,913	14,602
59:Case 59	4,306	25,515	17,138	9,913	3,167	2,678
60:Case 60	9,431	17,430	15,422	9,571	14,084	9,144

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
1:Case 1	18,424	11,364	5,750	9,316	18,109	5,912
2:Case 2	21,083	12,411	10,271	14,573	9,321	4,362
3:Case 3	19,996	14,262	18,264	13,843	3,167	10,439
4:Case 4	7,621	21,854	18,909	11,452	11,859	8,048
5:Case 5	12,248	19,449	14,641	7,979	10,330	4,575
6:Case 6	8,518	13,461	22,815	9,670	6,171	13,074
7:Case 7	18,469	23,497	15,201	8,923	14,604	12,327
8:Case 8	17,287	27,566	25,426	16,849	2,767	13,445
9:Case 9	17,009	21,161	22,085	10,856	15,388	14,260
10:Case 10	8,064	19,079	11,193	,759	11,436	4,163
11:Case 11	5,031	16,187	16,320	8,863	5,069	5,459
12:Case 12	17,803	12,069	10,325	7,819	5,175	4,416
13:Case 13	19,079	14,221	3,256	5,702	12,607	2,298
14:Case 14	7,452	16,264	13,729	4,416	8,578	7,819
15:Case 15	19,627	13,892	6,401	5,811	11,198	2,408
16:Case 16	23,883	11,200	12,930	10,425	16,181	7,021
17:Case 17	5,444	20,413	17,468	6,239	10,771	9,643
18:Case 18	2,678	20,641	20,774	6,509	5,322	9,913
19:Case 19	11,837	16,045	19,652	12,195	,000	8,791
20:Case 20	7,452	22,421	13,729	4,416	8,578	7,819
21:Case 21	25,121	28,593	20,706	20,852	7,994	10,640
22:Case 22	33,157	17,396	10,711	12,036	12,853	8,632
23:Case 23	10,964	9,099	12,706	8,285	1,809	4,881
24:Case 24	8,406	24,167	12,411	5,013	17,208	8,417
25:Case 25	11,391	16,334	8,448	1,050	9,044	4,454
26:Case 26	,000	30,983	27,642	10,341	11,837	13,745
27:Case 27	30,983	,000	13,633	15,284	16,045	11,880
28:Case 28	27,642	13,633	,000	7,398	19,652	3,994
29:Case 29	10,341	15,284	7,398	,000	12,195	3,404
30:Case 30	11,837	16,045	19,652	12,195	,000	8,791
31:Case 31	13,745	11,880	3,994	3,404	8,791	,000
32:Case 32	10,134	17,419	12,201	6,660	6,697	3,256
33:Case 33	22,141	27,309	9,792	12,238	14,942	8,834
34:Case 34	18,424	11,364	5,750	9,316	18,109	5,912
35:Case 35	16,264	7,452	8,786	6,280	3,635	2,876
36:Case 36	23,224	5,121	13,007	6,730	16,611	10,134
37:Case 37	16,264	7,452	8,786	6,280	3,635	2,876
38:Case 38	5,912	17,803	12,190	2,876	7,039	6,280
39:Case 39	15,734	13,729	9,316	1,919	18,314	5,322
40:Case 40	16,194	10,235	23,868	9,603	12,618	13,007
41:Case 41	25,218	25,105	4,524	11,922	28,376	8,518
42:Case 42	10,057	18,078	12,860	3,547	7,710	6,951
43:Case 43	11,184	18,469	13,251	7,710	3,547	4,306
44:Case 44	6,241	17,256	15,116	2,767	5,412	6,171
45:Case 45	13,782	22,819	10,653	11,184	10,057	7,780
46:Case 46	40,653	9,670	6,063	13,461	29,916	10,057
47:Case 47	11,880	13,745	8,937	1,539	13,734	4,943
48:Case 48	22,569	5,482	6,420	9,987	18,779	6,583
49:Case 49	14,702	25,857	8,750	7,039	18,940	3,635
50:Case 50	11,165	18,310	22,313	8,048	15,263	11,452
51:Case 51	18,846	26,132	9,420	7,710	19,610	4,306
52:Case 52	13,029	10,289	17,370	9,913	10,320	6,509
53:Case 53	34,814	3,831	5,971	11,453	19,876	8,049
54:Case 54	13,709	5,772	9,379	7,994	7,237	4,590
55:Case 55	12,860	10,855	12,190	2,876	7,039	6,280

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	13,298	26,656	15,691	9,029	7,179	5,625
57:Case 57	14,432	28,581	14,552	9,805	15,987	6,401
58:Case 58	7,621	15,698	18,909	11,452	11,859	8,048
59:Case 59	11,531	17,350	5,989	1,628	15,340	5,031
60:Case 60	16,334	17,548	6,583	5,993	15,581	2,589

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	10,289	12,074	,000	10,711	14,569	10,711
2:Case 2	5,702	13,196	8,358	5,322	19,388	5,322
3:Case 3	6,786	10,653	18,458	3,547	16,346	3,547
4:Case 4	2,876	12,607	9,328	10,930	22,421	10,930
5:Case 5	7,873	22,602	16,560	7,452	14,667	7,452
6:Case 6	10,583	19,808	15,340	8,104	10,653	8,104
7:Case 7	9,029	5,230	15,388	11,188	18,376	11,188
8:Case 8	11,749	19,014	29,815	8,105	24,699	8,105
9:Case 9	7,528	12,518	18,078	11,568	16,437	11,568
10:Case 10	5,901	14,515	13,111	7,039	9,007	7,039
11:Case 11	3,365	14,074	8,839	6,241	16,753	6,241
12:Case 12	2,678	6,730	12,250	1,539	12,238	1,539
13:Case 13	3,994	3,458	5,175	5,175	13,992	5,175
14:Case 14	12,238	18,973	12,180	8,417	9,626	8,417
15:Case 15	2,585	6,822	10,057	3,547	12,146	3,547
16:Case 16	5,283	15,273	12,392	6,608	11,370	6,608
17:Case 17	5,989	10,583	9,987	10,425	15,690	10,425
18:Case 18	7,819	16,428	15,393	8,595	14,400	8,595
19:Case 19	6,697	14,942	18,109	3,635	16,611	3,635
20:Case 20	6,081	6,660	12,180	8,417	15,782	8,417
21:Case 21	10,860	18,310	26,825	9,316	30,618	9,316
22:Case 22	13,804	16,740	24,135	5,750	13,734	5,750
23:Case 23	4,306	11,615	9,063	1,826	11,184	1,826
24:Case 24	14,751	19,934	10,855	14,767	15,613	14,767
25:Case 25	7,710	11,188	12,467	5,230	7,780	5,230
26:Case 26	10,134	22,141	18,424	16,264	23,224	16,264
27:Case 27	17,419	27,309	11,364	7,452	5,121	7,452
28:Case 28	12,201	9,792	5,750	8,786	13,007	8,786
29:Case 29	6,660	12,238	9,316	6,280	6,730	6,280
30:Case 30	6,697	14,942	18,109	3,635	16,611	3,635
31:Case 31	3,256	8,834	5,912	2,876	10,134	2,876
32:Case 32	,000	7,452	10,289	4,217	16,070	4,217
33:Case 33	7,452	,000	12,074	11,347	27,080	11,347
34:Case 34	10,289	12,074	,000	10,711	14,569	10,711
35:Case 35	4,217	11,347	10,711	,000	7,621	,000
36:Case 36	16,070	27,080	14,569	7,621	,000	7,621
37:Case 37	4,217	11,347	10,711	,000	7,621	,000
38:Case 38	7,621	11,277	10,640	6,878	11,165	6,878
39:Case 39	8,578	17,994	10,872	8,562	5,175	8,562
40:Case 40	13,992	32,990	21,598	8,578	3,994	8,578
41:Case 41	16,725	12,942	4,700	18,884	24,479	18,884
42:Case 42	5,213	7,528	13,048	5,811	11,440	5,811
43:Case 43	1,050	6,401	13,439	3,167	17,121	3,167
44:Case 44	5,993	14,423	15,304	5,031	9,099	5,031
45:Case 45	7,560	3,365	7,367	10,115	24,506	10,115
46:Case 46	21,343	27,586	13,187	13,475	9,044	13,475
47:Case 47	11,277	19,934	10,855	7,819	5,191	7,819
48:Case 48	14,038	20,638	2,408	9,644	8,687	9,644
49:Case 49	7,289	14,351	10,662	12,265	20,677	12,265
50:Case 50	6,280	19,485	16,206	10,860	12,069	10,860
51:Case 51	4,881	10,602	13,070	11,198	20,952	11,198
52:Case 52	4,416	20,698	11,263	5,917	10,855	5,917
53:Case 53	17,419	23,478	11,364	7,452	5,121	7,452
54:Case 54	5,533	11,906	3,635	3,635	9,375	3,635
55:Case 55	7,621	14,751	14,114	3,404	4,217	3,404

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	2,767	9,239	19,710	6,401	21,873	6,401
57:Case 57	11,615	22,691	18,565	12,930	21,883	12,930
58:Case 58	9,033	24,920	9,328	10,930	16,264	10,930
59:Case 59	9,805	10,611	6,171	9,645	10,313	9,645
60:Case 60	2,767	7,367	6,401	7,566	15,801	7,566

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	10,640	10,872	21,598	4,700	13,048	13,439
2:Case 2	15,534	16,492	20,345	14,795	16,205	6,752
3:Case 3	10,425	18,225	15,388	30,463	6,280	3,635
4:Case 4	10,860	13,007	18,427	17,859	10,190	6,027
5:Case 5	10,855	9,898	11,468	19,165	14,604	8,923
6:Case 6	4,700	13,689	7,780	29,439	5,370	9,533
7:Case 7	7,784	12,942	22,370	21,825	2,298	7,979
8:Case 8	11,509	25,068	19,585	36,251	12,180	6,499
9:Case 9	11,638	11,038	15,480	30,083	4,416	8,578
10:Case 10	3,635	2,678	8,844	15,717	4,306	6,951
11:Case 11	6,171	12,518	12,759	17,370	8,578	4,416
12:Case 12	8,417	10,101	13,196	20,423	4,272	1,628
13:Case 13	8,578	7,621	19,902	7,780	6,171	5,044
14:Case 14	1,539	10,171	10,583	16,879	7,025	11,188
15:Case 15	10,425	5,993	15,019	14,400	6,280	3,635
16:Case 16	16,960	6,769	12,327	22,302	11,078	8,434
17:Case 17	3,547	9,894	14,732	18,518	2,876	7,039
18:Case 18	1,717	12,265	10,406	23,924	4,124	6,769
19:Case 19	7,039	18,314	12,618	28,376	7,710	3,547
20:Case 20	1,539	10,171	16,740	16,879	,868	5,031
21:Case 21	19,528	26,971	27,419	29,431	20,198	7,710
22:Case 22	16,102	14,681	18,523	26,383	13,298	10,653
23:Case 23	5,230	12,304	10,226	19,331	5,901	3,256
24:Case 24	4,416	10,406	18,486	9,987	11,638	15,801
25:Case 25	1,826	5,069	10,653	15,072	2,497	6,660
26:Case 26	5,912	15,734	16,194	25,218	10,057	11,184
27:Case 27	17,803	13,729	10,235	25,105	18,078	18,469
28:Case 28	12,190	9,316	23,868	4,524	12,860	13,251
29:Case 29	2,876	1,919	9,603	11,922	3,547	7,710
30:Case 30	7,039	18,314	12,618	28,376	7,710	3,547
31:Case 31	6,280	5,322	13,007	8,518	6,951	4,306
32:Case 32	7,621	8,578	13,992	16,725	5,213	1,050
33:Case 33	11,277	17,994	32,990	12,942	7,528	6,401
34:Case 34	10,640	10,872	21,598	4,700	13,048	13,439
35:Case 35	6,878	8,562	8,578	18,884	5,811	3,167
36:Case 36	11,165	5,175	3,994	24,479	11,440	17,121
37:Case 37	6,878	8,562	8,578	18,884	5,811	3,167
38:Case 38	,000	8,632	12,123	15,340	2,408	6,570
39:Case 39	8,632	,000	8,048	15,214	7,566	11,729
40:Case 40	12,123	8,048	,000	35,340	12,397	15,042
41:Case 41	15,340	15,214	35,340	,000	19,485	19,876
42:Case 42	2,408	7,566	12,397	19,485	,000	4,163
43:Case 43	6,570	11,729	15,042	19,876	4,163	,000
44:Case 44	1,628	6,786	7,021	21,741	2,298	4,943
45:Case 45	6,570	18,677	28,500	10,330	7,637	6,510
46:Case 46	23,827	9,805	19,905	15,435	24,102	24,493
47:Case 47	4,416	3,458	8,064	13,461	8,164	12,327
48:Case 48	13,048	9,805	15,717	8,844	16,797	17,188
49:Case 49	12,195	8,595	22,430	7,700	14,602	10,439
50:Case 50	10,930	6,129	8,075	28,211	6,786	9,431
51:Case 51	14,602	7,528	22,705	11,844	12,195	8,032
52:Case 52	12,795	7,994	6,862	23,268	11,729	7,566
53:Case 53	17,803	9,898	14,066	17,443	18,078	18,469
54:Case 54	7,039	9,913	11,453	13,903	7,710	6,583
55:Case 55	3,474	5,158	5,175	22,288	2,408	6,570

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	9,805	13,048	18,675	22,316	7,398	1,717
57:Case 57	12,860	13,461	20,599	15,602	18,346	12,665
58:Case 58	10,860	13,007	12,270	17,859	16,346	12,183
59:Case 59	2,767	5,283	16,223	7,039	5,175	10,855
60:Case 60	10,970	5,811	18,675	9,007	8,562	5,917

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
1:Case 1	15,304	7,367	13,187	10,855	2,408	10,662
2:Case 2	15,425	10,226	16,334	16,112	9,029	9,913
3:Case 3	8,578	10,583	28,132	18,461	20,470	23,843
4:Case 4	10,970	9,063	29,424	16,069	14,814	10,159
5:Case 5	7,710	18,469	17,626	6,440	14,152	5,175
6:Case 6	4,590	13,007	30,978	11,209	16,011	24,557
7:Case 7	9,193	8,417	29,521	16,619	22,216	21,497
8:Case 8	8,363	16,045	37,791	18,388	30,485	22,261
9:Case 9	9,792	15,526	30,831	18,552	23,168	23,464
10:Case 10	2,008	13,461	17,256	2,298	13,782	6,280
11:Case 11	6,280	7,452	25,857	10,402	11,247	9,670
12:Case 12	6,570	8,575	18,093	12,437	14,262	13,804
13:Case 13	9,987	5,482	12,397	10,319	8,923	7,452
14:Case 14	3,167	11,188	22,288	2,876	11,509	13,734
15:Case 15	8,578	10,583	12,069	10,429	12,069	7,780
16:Case 16	13,377	18,856	13,024	15,042	12,667	13,946
17:Case 17	5,175	7,039	30,083	10,856	15,473	15,372
18:Case 18	1,826	9,805	32,411	8,048	17,801	16,225
19:Case 19	5,412	10,057	29,916	13,734	18,779	18,940
20:Case 20	3,167	5,031	28,445	9,033	17,665	13,734
21:Case 21	16,382	17,256	30,970	22,391	27,496	15,440
22:Case 22	12,518	21,075	14,026	13,575	21,332	18,027
23:Case 23	5,121	6,730	20,870	9,824	9,733	14,448
24:Case 24	7,780	12,327	22,344	3,474	11,922	8,578
25:Case 25	1,717	10,134	16,611	2,589	13,137	10,190
26:Case 26	6,241	13,782	40,653	11,880	22,569	14,702
27:Case 27	17,256	22,819	9,670	13,745	5,482	25,857
28:Case 28	15,116	10,653	6,063	8,937	6,420	8,750
29:Case 29	2,767	11,184	13,461	1,539	9,987	7,039
30:Case 30	5,412	10,057	29,916	13,734	18,779	18,940
31:Case 31	6,171	7,780	10,057	4,943	6,583	3,635
32:Case 32	5,993	7,560	21,343	11,277	14,038	7,289
33:Case 33	14,423	3,365	27,586	19,934	20,638	14,351
34:Case 34	15,304	7,367	13,187	10,855	2,408	10,662
35:Case 35	5,031	10,115	13,475	7,819	9,644	12,265
36:Case 36	9,099	24,506	9,044	5,191	8,687	20,677
37:Case 37	5,031	10,115	13,475	7,819	9,644	12,265
38:Case 38	1,628	6,570	23,827	4,416	13,048	12,195
39:Case 39	6,786	18,677	9,805	3,458	9,805	8,595
40:Case 40	7,021	28,500	19,905	8,064	15,717	22,430
41:Case 41	21,741	10,330	15,435	13,461	8,844	7,700
42:Case 42	2,298	7,637	24,102	8,164	16,797	14,602
43:Case 43	4,943	6,510	24,493	12,327	17,188	10,439
44:Case 44	,000	11,453	23,280	4,306	15,975	12,304
45:Case 45	11,453	,000	28,843	15,801	14,590	13,475
46:Case 46	23,280	28,843	,000	11,922	7,305	16,187
47:Case 47	4,306	15,801	11,922	,000	8,448	8,578
48:Case 48	15,975	14,590	7,305	8,448	,000	13,070
49:Case 49	12,304	13,475	16,187	8,578	13,070	,000
50:Case 50	7,566	19,415	25,880	12,665	18,218	17,037
51:Case 51	12,975	14,542	16,462	12,327	16,819	2,408
52:Case 52	9,431	17,550	17,859	11,452	10,196	12,094
53:Case 53	17,256	22,819	2,008	9,914	5,482	18,195
54:Case 54	8,448	7,021	15,442	9,533	4,306	13,575
55:Case 55	1,628	13,518	16,879	4,416	13,048	15,669

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	6,660	11,263	26,933	13,647	23,459	8,325
57:Case 57	11,452	18,737	21,011	8,266	17,894	3,348
58:Case 58	10,970	15,219	23,268	9,913	8,657	10,159
59:Case 59	5,912	7,819	15,526	3,167	8,578	8,448
60:Case 60	10,860	9,391	13,624	10,611	10,150	4,124

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	16,206	13,070	11,263	11,364	3,635	14,114
2:Case 2	18,790	10,583	7,039	12,411	5,121	15,534
3:Case 3	13,614	19,699	11,749	18,093	7,367	6,951
4:Case 4	6,878	9,489	5,013	25,685	6,494	14,334
5:Case 5	16,069	8,923	8,048	15,618	12,201	10,855
6:Case 6	8,325	25,227	10,190	21,123	6,171	4,700
7:Case 7	10,602	16,011	18,623	23,497	11,568	7,784
8:Case 8	24,330	22,931	19,387	27,566	17,240	11,509
9:Case 9	3,348	16,241	11,370	24,992	11,188	8,164
10:Case 10	7,289	6,951	9,154	15,248	10,271	3,635
11:Case 11	9,467	12,078	4,524	20,018	3,905	9,645
12:Case 12	9,321	9,659	7,456	12,069	5,175	4,943
13:Case 13	12,190	5,044	10,325	10,390	5,370	8,578
14:Case 14	15,548	19,220	14,334	16,264	8,578	5,013
15:Case 15	9,044	3,635	7,179	10,061	6,998	6,951
16:Case 16	5,989	8,064	4,124	11,200	7,780	10,012
17:Case 17	5,283	14,702	10,226	24,244	6,570	7,021
18:Case 18	9,214	18,632	11,078	24,472	8,358	5,191
19:Case 19	15,263	19,610	10,320	19,876	7,237	7,039
20:Case 20	9,391	13,063	14,334	22,421	8,578	5,013
21:Case 21	30,064	16,111	18,314	24,762	18,267	19,528
22:Case 22	24,642	15,223	19,699	9,733	17,054	9,154
23:Case 23	10,771	15,119	5,828	12,930	1,809	5,230
24:Case 24	19,613	15,801	18,400	20,336	13,007	11,364
25:Case 25	11,198	10,860	13,063	12,503	9,044	1,826
26:Case 26	11,165	18,846	13,029	34,814	13,709	12,860
27:Case 27	18,310	26,132	10,289	3,831	5,772	10,855
28:Case 28	22,313	9,420	17,370	5,971	9,379	12,190
29:Case 29	8,048	7,710	9,913	11,453	7,994	2,876
30:Case 30	15,263	19,610	10,320	19,876	7,237	7,039
31:Case 31	11,452	4,306	6,509	8,049	4,590	6,280
32:Case 32	6,280	4,881	4,416	17,419	5,533	7,621
33:Case 33	19,485	10,602	20,698	23,478	11,906	14,751
34:Case 34	16,206	13,070	11,263	11,364	3,635	14,114
35:Case 35	10,860	11,198	5,917	7,452	3,635	3,404
36:Case 36	12,069	20,952	10,855	5,121	9,375	4,217
37:Case 37	10,860	11,198	5,917	7,452	3,635	3,404
38:Case 38	10,930	14,602	12,795	17,803	7,039	3,474
39:Case 39	6,129	7,528	7,994	9,898	9,913	5,158
40:Case 40	8,075	22,705	6,862	14,066	11,453	5,175
41:Case 41	28,211	11,844	23,268	17,443	13,903	22,288
42:Case 42	6,786	12,195	11,729	18,078	7,710	2,408
43:Case 43	9,431	8,032	7,566	18,469	6,583	6,570
44:Case 44	7,566	12,975	9,431	17,256	8,448	1,628
45:Case 45	19,415	14,542	17,550	22,819	7,021	13,518
46:Case 46	25,880	16,462	17,859	2,008	15,442	16,879
47:Case 47	12,665	12,327	11,452	9,914	9,533	4,416
48:Case 48	18,218	16,819	10,196	5,482	4,306	13,048
49:Case 49	17,037	2,408	12,094	18,195	13,575	15,669
50:Case 50	,000	12,892	4,943	22,141	9,898	7,456
51:Case 51	12,892	,000	11,028	18,469	14,245	14,602
52:Case 52	4,943	11,028	,000	14,120	4,955	9,321
53:Case 53	22,141	18,469	14,120	,000	9,603	10,855
54:Case 54	9,898	14,245	4,955	9,603	,000	7,039
55:Case 55	7,456	14,602	9,321	10,855	7,039	,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	13,063	5,917	11,198	22,825	13,251	9,805
57:Case 57	23,464	8,834	15,442	20,918	17,859	16,334
58:Case 58	13,034	15,645	5,013	19,529	6,494	14,334
59:Case 59	12,930	10,855	14,795	13,518	8,104	6,241
60:Case 60	8,863	1,717	6,998	13,717	7,179	10,970

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

	Quadriertes euklidisches Distanzmaß				
Fall	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60
1:Case 1	19,710	18,565	9,328	6,171	6,401
2:Case 2	9,987	12,679	8,578	16,201	6,951
3:Case 3	8,786	25,487	19,841	17,208	14,151
4:Case 4	9,659	16,586	6,157	12,860	5,459
5:Case 5	7,207	1,826	6,509	12,643	10,243
6:Case 6	16,599	25,222	11,729	11,298	17,764
7:Case 7	12,732	29,837	26,319	9,033	10,860
8:Case 8	6,697	15,690	20,927	21,512	22,335
9:Case 9	13,729	32,386	22,539	14,221	10,693
10:Case 10	6,752	7,528	10,693	3,905	6,752
11:Case 11	8,048	10,918	2,589	10,271	8,048
12:Case 12	4,862	17,548	15,548	11,184	6,027
13:Case 13	7,881	14,814	14,942	5,811	1,809
14:Case 14	14,423	11,321	9,321	4,306	15,587
15:Case 15	4,955	13,624	15,271	9,176	1,919
16:Case 16	11,668	21,890	15,690	15,526	4,432
17:Case 17	12,190	21,217	11,370	6,129	9,154
18:Case 18	10,402	15,372	9,144	7,917	14,602
19:Case 19	7,179	15,987	11,859	15,340	15,581
20:Case 20	8,266	17,478	15,478	4,306	9,431
21:Case 21	5,993	10,970	19,853	25,515	17,430
22:Case 22	10,057	16,592	28,186	17,138	15,422
23:Case 23	8,406	15,114	7,367	9,913	9,571
24:Case 24	17,121	8,266	9,913	3,167	14,084
25:Case 25	7,979	10,855	14,602	2,678	9,144
26:Case 26	13,298	14,432	7,621	11,531	16,334
27:Case 27	26,656	28,581	15,698	17,350	17,548
28:Case 28	15,691	14,552	18,909	5,989	6,583
29:Case 29	9,029	9,805	11,452	1,628	5,993
30:Case 30	7,179	15,987	11,859	15,340	15,581
31:Case 31	5,625	6,401	8,048	5,031	2,589
32:Case 32	2,767	11,615	9,033	9,805	2,767
33:Case 33	9,239	22,691	24,920	10,611	7,367
34:Case 34	19,710	18,565	9,328	6,171	6,401
35:Case 35	6,401	12,930	10,930	9,645	7,566
36:Case 36	21,873	21,883	16,264	10,313	15,801
37:Case 37	6,401	12,930	10,930	9,645	7,566
38:Case 38	9,805	12,860	10,860	2,767	10,970
39:Case 39	13,048	13,461	13,007	5,283	5,811
40:Case 40	18,675	20,599	12,270	16,223	18,675
41:Case 41	22,316	15,602	17,859	7,039	9,007
42:Case 42	7,398	18,346	16,346	5,175	8,562
43:Case 43	1,717	12,665	12,183	10,855	5,917
44:Case 44	6,660	11,452	10,970	5,912	10,860
45:Case 45	11,263	18,737	15,219	7,819	9,391
46:Case 46	26,933	21,011	23,268	15,526	13,624
47:Case 47	13,647	8,266	9,913	3,167	10,611
48:Case 48	23,459	17,894	8,657	8,578	10,150
49:Case 49	8,325	3,348	10,159	8,448	4,124
50:Case 50	13,063	23,464	13,034	12,930	8,863
51:Case 51	5,917	8,834	15,645	10,855	1,717
52:Case 52	11,198	15,442	5,013	14,795	6,998
53:Case 53	22,825	20,918	19,529	13,518	13,717
54:Case 54	13,251	17,859	6,494	8,104	7,179
55:Case 55	9,805	16,334	14,334	6,241	10,970

Dies ist eine Unähnlichkeitsmatrix

Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß				
	56:Case 56	57:Case 57	58:Case 58	59:Case 59	60:Case 60
56:Case 56	,000	9,033	15,816	13,693	7,237
57:Case 57	9,033	,000	10,429	12,732	12,069
58:Case 58	15,816	10,429	,000	12,860	11,615
59:Case 59	13,693	12,732	12,860	,000	7,621
60:Case 60	7,237	12,069	11,615	7,621	,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	35	37	,000	0	0	29
2	1	34	,000	0	0	23
3	19	30	,000	0	0	26
4	10	29	,380	0	0	10
5	20	42	,814	0	0	21
6	32	43	1,339	0	0	20
7	14	38	2,108	0	0	34
8	44	55	2,922	0	0	36
9	13	15	3,736	0	0	18
10	10	25	4,562	4	0	19
11	51	60	5,421	0	0	27
12	23	54	6,325	0	0	37
13	5	57	7,239	0	0	52
14	46	53	8,243	0	0	40
15	3	12	9,247	0	0	29
16	6	18	10,539	0	0	36
17	11	58	11,834	0	0	35
18	13	31	13,131	9	0	38
19	10	47	14,436	10	0	31
20	32	56	15,756	6	0	47
21	17	20	17,239	0	5	32
22	24	59	18,822	0	0	34
23	1	48	20,428	2	0	43
24	9	50	22,102	0	0	44
25	33	45	23,784	0	0	50
26	8	19	25,629	0	3	42
27	49	51	27,520	0	11	38
28	36	40	29,517	0	0	49
29	3	35	31,558	15	1	41
30	16	52	33,620	0	0	44
31	10	39	35,743	19	0	45
32	7	17	37,923	0	21	46
33	28	41	40,185	0	0	43
34	14	24	42,600	7	22	45
35	4	11	45,084	0	17	39
36	6	44	48,107	16	8	46
37	2	23	51,317	0	12	41
38	13	49	55,248	18	27	50
39	4	26	59,371	35	0	52
40	27	46	63,537	0	14	49

Zuordnungsübersicht

Schritt	Zusammengeführte Cluster		Koeffizienten	Erstes Vorkommen des Clusters		Nächster Schritt
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
41	2	3	68,276	37	29	47
42	8	21	73,165	26	0	51
43	1	28	78,399	23	33	54
44	9	16	84,061	24	30	55
45	10	14	89,884	31	34	53
46	6	7	96,592	36	32	53
47	2	32	103,703	41	20	48
48	2	22	111,756	47	0	51
49	27	36	121,188	40	28	57
50	13	33	131,814	38	25	54
51	2	8	142,825	48	42	59
52	4	5	154,714	39	13	55
53	6	10	169,408	46	45	56
54	1	13	185,357	43	50	57
55	4	9	206,426	52	44	56
56	4	6	231,534	55	53	58
57	1	27	268,268	54	49	58
58	1	4	309,995	57	56	59
59	1	2	354,000	58	51	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	21:Case 21		30:Case 30		19:Case 19		8:Case 8		22:Case 22		56:Case 56		43:Case 43		32:Case 32	
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
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
14	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	
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	
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	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															
	21:Case 21		30:Case 30		19:Case 19		8:Case 8		22:Case 22		56:Case 56		43:Case 43		32:Case 32	
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	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	37:Case 37		35:Case 35		12:Case 12		3:Case 3		54:Case 54		23:Case 23		2:Case 2		59:Case 59	
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	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
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
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	
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	
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															
	37:Case 37		35:Case 35		12:Case 12		3:Case 3		54:Case 54		23:Case 23		2:Case 2		59:Case 59	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	24:Case 24		38:Case 38		14:Case 14		39:Case 39		47:Case 47		25:Case 25		29:Case 29		10:Case 10	
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	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	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	
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	
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	
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	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															
	24:Case 24		38:Case 38		14:Case 14		39:Case 39		47:Case 47		25:Case 25		29:Case 29		10:Case 10	
53	X		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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	42:Case 42		20:Case 20		17:Case 17		7:Case 7		55:Case 55		44:Case 44		18:Case 18		6:Case 6	
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	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	
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	
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	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	
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	
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															
	42:Case 42		20:Case 20		17:Case 17		7:Case 7		55:Case 55		44:Case 44		18:Case 18		6:Case 6	
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	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	52:Case 52		16:Case 16		50:Case 50		9:Case 9		57:Case 57		5:Case 5		26:Case 26		58:Case 58	
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
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
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
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
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
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
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	
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															
	52:Case 52		16:Case 16		50:Case 50		9:Case 9		57:Case 57		5:Case 5		26:Case 26		58:Case 58	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	11:Case 11		4:Case 4		40:Case 40		36:Case 36		53:Case 53		46:Case 46		27:Case 27		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
4	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
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
13	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
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
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
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
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	
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	
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															
	11:Case 11		4:Case 4		40:Case 40		36:Case 36		53:Case 53		46:Case 46		27:Case 27		45:Case 45	
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	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	33:Case 33		60:Case 60		51:Case 51		49:Case 49		31:Case 31		15:Case 15		13:Case 13		41:Case 41	
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
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
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
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	
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	
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	
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	
51	X		X		X		X		X		X	X	X		X	
52	X		X		X		X		X		X		X		X	

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	33:Case 33		60:Case 60		51:Case 51		49:Case 49		31:Case 31		15:Case 15		13:Case 13		41:Case 41	
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	

Vertikales Eiszapfendiagramm

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

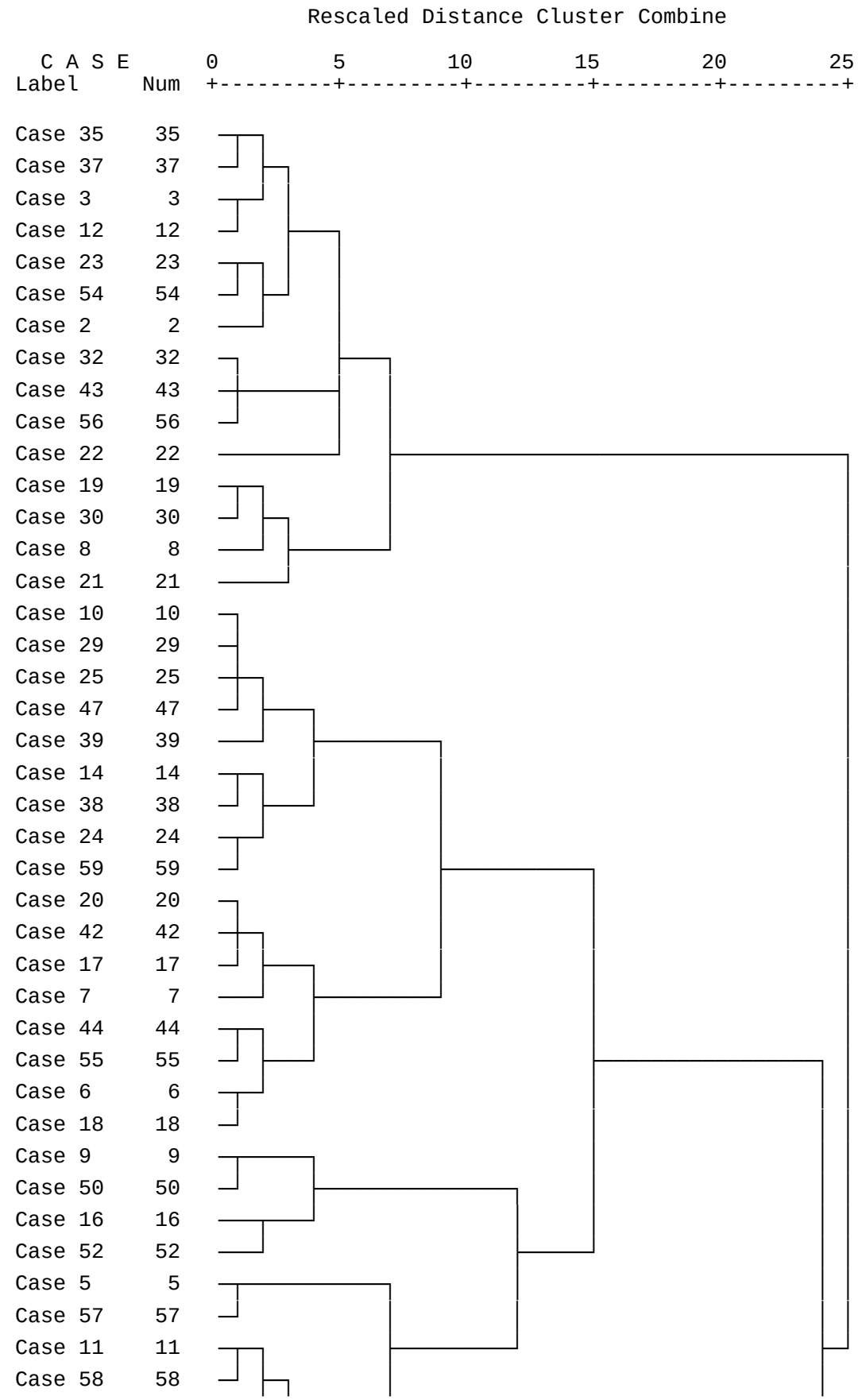
Vertikales Eiszapfendiagramm

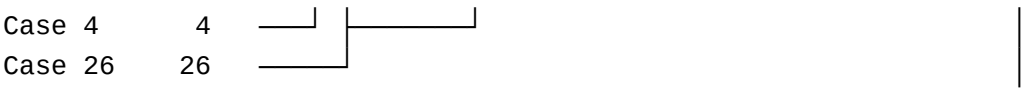
Anzahl der Cluster	Fall						
	28:Case 28		48:Case 48		34:Case 34		1:Case 1
53	X		X		X	X	X
54	X		X		X	X	X
55	X		X		X	X	X
56	X		X		X	X	X
57	X		X		X	X	X
58	X		X		X	X	X
59	X		X		X		X

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 * * * * * *

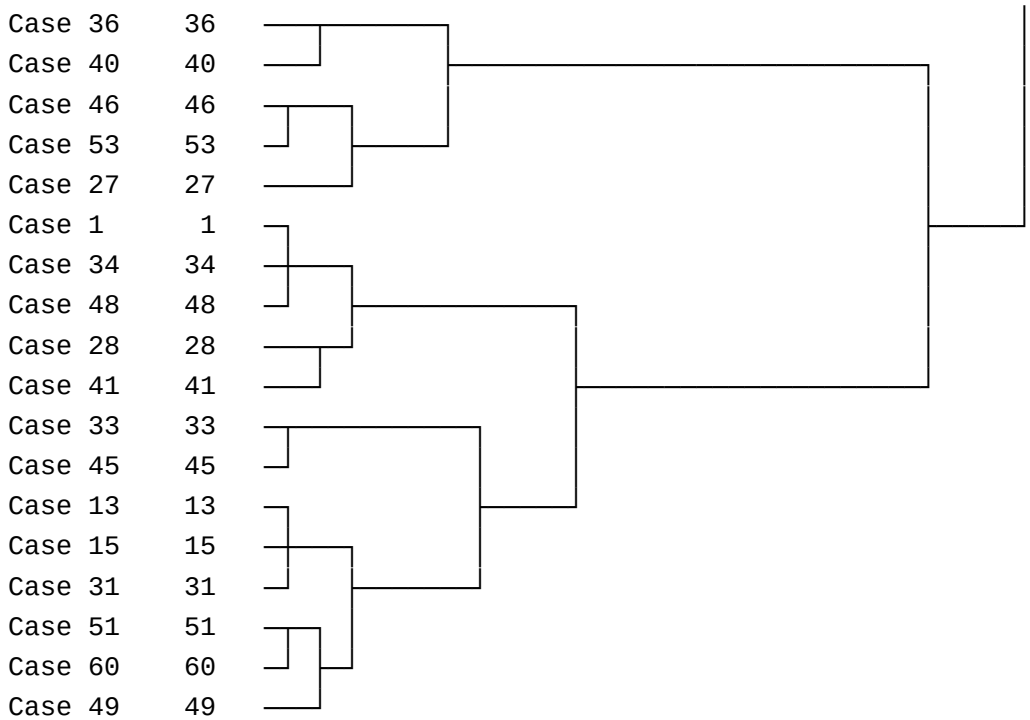
Dendrogram using Ward Method




Case 4 4
Case 26 26

```
* * * * * * 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 * * * * * *

   C A S E      0         5        10        15        20        25
 Label     Num  +---------+---------+---------+---------+---------+
```



Quick Cluster

[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_TrainingParticipation.sav

Anfängliche Clusterzentren

	Cluster		
	1	2	3
L&L - Events: Congress/Conference	1	5	3
L&L - Events: Internal Scientific Fairs and Scientific Events	0	1	3
L&L - Events: Database Trainings	2	1	2
L&L - Events: Elearnings	1	1	2
L&L - Events: HR Training Offers	0	3	3
L&L - Events: External Training Offers	4	4	1

Iterationsprotokoll[a]

Iteration	Änderung in Clusterzentren		
	1	2	3
1	2,295	1,763	1,734
2	,255	,229	,102
3	,156	,187	,000
4	,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 4,359.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	1	1,902
2	3	1,700
3	3	1,700
4	2	1,974
5	2	2,277
6	3	2,108
7	3	2,348
8	3	2,923
9	3	2,164
10	2	1,616
11	2	1,152
12	3	,906
13	1	1,097
14	2	1,478
15	3	1,659
16	3	2,355
17	2	1,660
18	2	1,325
19	3	1,808
20	2	1,571
21	3	2,833
22	3	2,917
23	3	1,187
24	2	1,901
25	3	1,638
26	2	1,901
27	3	3,199
28	1	1,524
29	1	1,271
30	3	1,808
31	1	1,042
32	3	1,424
33	1	2,606
34	1	1,902
35	3	,715
36	3	2,545
37	3	,715
38	2	1,152
39	1	1,706
40	3	2,413
41	1	2,431
42	3	1,257
43	3	1,229
44	3	1,284

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
45	2	2,429
46	1	2,823
47	1	1,653
48	1	1,992
49	1	2,332
50	3	2,296
51	1	2,357
52	3	2,124
53	1	2,673
54	3	1,883
55	3	,980
56	3	2,303
57	2	2,680
58	2	1,901
59	1	1,271
60	1	1,424

Clusterzentren der endgültigen Lösung

	Cluster		
	1	2	3
L&L - Events: Congress/Conference	2	4	3
L&L - Events: Internal Scientific Fairs and Scientific Events	1	1	2
L&L - Events: Database Trainings	2	1	2
L&L - Events: Elearnings	1	1	1
L&L - Events: HR Training Offers	1	2	2
L&L - Events: External Training Offers	2	3	1

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3
1		2,339	2,317
2	2,339		1,929
3	2,317	1,929	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Events: Congress/Conference	11,452	2	,962	57	11,906	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	8,140	2	,700	57	11,628	,000
L&L - Events: Database Trainings	,526	2	,286	57	1,843	,168
L&L - Events: Elearnings	,956	2	,639	57	1,496	,233
L&L - Events: HR Training Offers	10,074	2	,727	57	13,853	,000
L&L - Events: External Training Offers	14,344	2	,689	57	20,834	,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	14,000
	3	29,000
Gültig		60,000
Fehlend		,000

Quick Cluster

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Anfängliche Clusterzentren

	Cluster			
	1	2	3	4
L&L - Events: Congress/Conference	1	1	3	5
L&L - Events: Internal Scientific Fairs and Scientific Events	0	0	3	1
L&L - Events: Database Trainings	2	2	2	2
L&L - Events: Elearnings	0	1	2	0
L&L - Events: HR Training Offers	0	0	3	0
L&L - Events: External Training Offers	0	4	1	3

Iterationsprotokoll[a]

Iteration	Änderung in Clusterzentren			
	1	2	3	4
1	1,772	1,959	1,802	1,770
2	,000	,000	,055	,110
3	,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 3. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 4,123.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,474
2	3	1,707
3	3	1,784
4	3	2,377
5	4	1,468
6	3	1,875
7	3	2,232
8	3	2,952
9	3	2,045
10	4	,869
11	3	1,802
12	3	1,146
13	2	1,083
14	4	1,868
15	3	1,857
16	3	2,526
17	3	1,821
18	3	1,784
19	3	1,727
20	3	1,668
21	4	2,637
22	3	3,304
23	3	1,024
24	4	1,989
25	4	1,535
26	4	2,687
27	1	1,772
28	2	1,685
29	4	1,274
30	3	1,727
31	4	1,193
32	3	1,231
33	2	1,931
34	2	1,474
35	3	1,117
36	1	1,213
37	3	1,117
38	3	1,648
39	1	2,034
40	3	2,578
41	2	1,959
42	3	1,087
43	3	1,087
44	3	1,175
45	2	1,959

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
46	1	1,772
47	4	1,445
48	1	1,772
49	4	1,738
50	3	2,171
51	4	2,150
52	3	2,093
53	1	1,067
54	3	1,765
55	3	1,231
56	4	1,989
57	4	1,832
58	4	2,385
59	2	1,133
60	2	1,843

Clusterzentren der endgültigen Lösung

	Cluster			
	1	2	3	4
L&L - Events: Congress/Conference	2	2	3	4
L&L - Events: Internal Scientific Fairs and Scientific Events	1	1	2	1
L&L - Events: Database Trainings	2	2	2	2
L&L - Events: Elearnings	0	2	1	1
L&L - Events: HR Training Offers	2	1	2	1
L&L - Events: External Training Offers	1	3	2	3

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4
1		2,818	2,964	3,304
2	2,818		2,613	2,480
3	2,964	2,613		1,856
4	3,304	2,480	1,856	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Events: Congress/Conference	15,444	3	,561	56	27,544	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	3,576	3	,812	56	4,405	,007
L&L - Events: Database Trainings	,181	3	,300	56	,605	,614
L&L - Events: Elearnings	4,293	3	,455	56	9,443	,000
L&L - Events: HR Training Offers	7,426	3	,702	56	10,575	,000
L&L - Events: External Training Offers	9,170	3	,722	56	12,704	,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	6,000
	2	9,000
	3	30,000
	4	15,000
Gültig		60,000
Fehlend		,000

Quick Cluster

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Anfängliche Clusterzentren

	Cluster				
	1	2	3	4	5
L&L - Events: Congress/Conference	1	3	5	4	1
L&L - Events: Internal Scientific Fairs and Scientific Events	1	3	1	0	0
L&L - Events: Database Trainings	2	2	2	2	2
L&L - Events: Elearnings	0	1	0	2	1
L&L - Events: HR Training Offers	3	0	0	3	0
L&L - Events: External Training Offers	0	0	3	3	4

Iterationsprotokoll[a]

Iteration	Änderung in Clusterzentren				
	1	2	3	4	5
1	1,536	2,160	1,706	1,812	1,790
2	,354	,456	,310	,169	,302
3	,000	,220	,230	,069	,000
4	,000	,086	,000	,071	,000
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 3,873.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	5	1,474
2	4	1,814
3	2	1,710
4	4	1,725
5	3	1,579
6	4	1,740
7	4	2,412
8	2	2,189
9	4	2,207
10	3	,909
11	4	1,182
12	2	1,151
13	5	1,083
14	4	1,967
15	2	1,930
16	1	2,058
17	4	1,113
18	4	1,387
19	2	1,525
20	4	1,478
21	2	2,111
22	2	2,515
23	4	1,204
24	3	1,985
25	2	1,546
26	4	2,423
27	1	1,798
28	5	1,685
29	3	1,176
30	2	1,525
31	3	1,128
32	4	1,288
33	5	1,931
34	5	1,474
35	2	,996
36	1	,992
37	2	,996
38	4	1,424
39	1	1,728
40	1	2,546
41	5	1,959
42	4	1,387
43	2	1,028

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
44	2	1,207
45	5	1,959
46	1	2,176
47	3	1,310
48	1	2,058
49	3	1,310
50	4	2,097
51	3	1,809
52	4	2,071
53	1	1,495
54	4	1,615
55	2	1,313
56	2	1,823
57	3	1,714
58	4	2,159
59	5	1,133
60	5	1,843

Clusterzentren der endgültigen Lösung

	Cluster				
	1	2	3	4	5
L&L - Events: Congress/Conference	2	4	4	3	2
L&L - Events: Internal Scientific Fairs and Scientific Events	1	2	1	1	1
L&L - Events: Database Trainings	2	2	2	1	2
L&L - Events: Elearnings	0	1	1	1	2
L&L - Events: HR Training Offers	2	2	1	3	1
L&L - Events: External Training Offers	0	1	2	2	3

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4	5
1		2,926	2,964	2,888	2,895
2	2,926		2,329	1,806	3,030
3	2,964	2,329		2,238	2,399
4	2,888	1,806	2,238		2,453
5	2,895	3,030	2,399	2,453	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Events: Congress/Conference	9,606	4	,715	55	13,440	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	7,079	4	,507	55	13,970	,000
L&L - Events: Database Trainings	,469	4	,281	55	1,670	,170
L&L - Events: Elearnings	2,568	4	,510	55	5,033	,002
L&L - Events: HR Training Offers	7,676	4	,562	55	13,666	,000
L&L - Events: External Training Offers	9,198	4	,566	55	16,246	,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	8,000
	2	15,000
	3	9,000
	4	19,000
	5	9,000
Gültig		60,000
Fehlend		,000

Quick Cluster

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Anfängliche Clusterzentren

	Cluster					
	1	2	3	4	5	6
L&L - Events: Congress/Conference	1	5	1	4	5	3
L&L - Events: Internal Scientific Fairs and Scientific Events	0	4	1	0	1	3
L&L - Events: Database Trainings	2	2	2	1	2	2
L&L - Events: Elearnings	1	1	0	2	0	1
L&L - Events: HR Training Offers	0	2	3	3	0	0
L&L - Events: External Training Offers	4	2	0	1	3	0

Iterationsprotokoll[a]

Iteration	Änderung in Clusterzentren					
	1	2	3	4	5	6
1	1,883	1,718	1,443	1,742	1,678	1,785
2	,000	,263	,420	,232	,122	,421
3	,000	,241	,000	,144	,182	,252
4	,000	,164	,000	,327	,302	,360
5	,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 5. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 3,606.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	1	1,431
2	4	1,671
3	6	1,694
4	4	1,713
5	5	1,737
6	4	1,910
7	6	1,967
8	2	2,024
9	4	2,019
10	5	,862
11	4	1,441
12	6	,686
13	1	1,244
14	2	1,807
15	6	1,439
16	4	2,285
17	4	1,627
18	2	1,196
19	2	1,264
20	2	1,612
21	2	2,220
22	6	2,381
23	4	1,391
24	5	2,136
25	6	1,367
26	2	2,435
27	3	1,536
28	1	1,672
29	5	1,008
30	2	1,264
31	5	,962
32	4	1,284
33	1	1,949
34	1	1,431
35	6	,819
36	3	1,327
37	6	,819
38	2	1,389
39	5	1,684
40	4	2,436
41	1	1,883
42	6	1,127
43	2	1,124

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
44	2	,874
45	1	1,883
46	3	1,778
47	5	1,286
48	3	1,778
49	5	1,355
50	4	1,583
51	5	1,656
52	4	1,338
53	3	,872
54	4	1,537
55	6	,933
56	2	1,852
57	5	1,981
58	4	2,089
59	1	1,139
60	5	1,601

Clusterzentren der endgültigen Lösung

	Cluster					
	1	2	3	4	5	6
L&L - Events: Congress/Conference	2	4	1	3	4	3
L&L - Events: Internal Scientific Fairs and Scientific Events	1	2	1	1	1	2
L&L - Events: Database Trainings	2	2	2	2	2	2
L&L - Events: Elearnings	2	1	0	1	1	2
L&L - Events: HR Training Offers	1	2	2	3	1	2
L&L - Events: External Training Offers	3	3	0	2	2	1

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4	5	6
1		3,214	3,067	2,872	2,425	2,668
2	3,214		4,178	1,966	2,308	1,884
3	3,067	4,178		3,217	3,308	2,897
4	2,872	1,966	3,217		2,271	1,939
5	2,425	2,308	3,308	2,271		2,323
6	2,668	1,884	2,897	1,939	2,323	

ANOVA

	Cluster		Fehler			
	Mittel der Quadrate	df	Mittel der Quadrate	df	F	Sig.
L&L - Events: Congress/Conference	11,029	5	,418	54	26,362	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	6,328	5	,455	54	13,922	,000
L&L - Events: Database Trainings	,151	5	,307	54	,493	,780
L&L - Events: Elearnings	2,283	5	,498	54	4,580	,001
L&L - Events: HR Training Offers	6,772	5	,514	54	13,185	,000
L&L - Events: External Training Offers	6,319	5	,673	54	9,390	,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	8,000
	2	12,000
	3	5,000
	4	14,000
	5	11,000
	6	10,000
Gültig		60,000
Fehlend		,000

Diskriminanzanalyse

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Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		60	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		60	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Events: Congress/Conference	2,12	1,111	17	17,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,53	,624	17	17,000
	L&L - Events: Database Trainings	1,76	,437	17	17,000
	L&L - Events: Elearnings	1,06	,827	17	17,000
	L&L - Events: HR Training Offers	,88	,697	17	17,000
	L&L - Events: External Training Offers	2,12	1,054	17	17,000
2	L&L - Events: Congress/Conference	3,71	,914	14	14,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,21	,699	14	14,000
	L&L - Events: Database Trainings	1,43	,514	14	14,000
	L&L - Events: Elearnings	,93	,829	14	14,000
	L&L - Events: HR Training Offers	2,07	,997	14	14,000
	L&L - Events: External Training Offers	3,07	,616	14	14,000
3	L&L - Events: Congress/Conference	3,31	,930	29	29,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,76	,988	29	29,000
	L&L - Events: Database Trainings	1,72	,591	29	29,000
	L&L - Events: Elearnings	1,34	,769	29	29,000
	L&L - Events: HR Training Offers	2,21	,861	29	29,000
	L&L - Events: External Training Offers	1,34	,769	29	29,000
Gesamt	L&L - Events: Congress/Conference	3,07	1,148	60	60,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,28	,976	60	60,000
	L&L - Events: Database Trainings	1,67	,542	60	60,000
	L&L - Events: Elearnings	1,17	,806	60	60,000
	L&L - Events: HR Training Offers	1,80	1,022	60	60,000
	L&L - Events: External Training Offers	1,97	1,073	60	60,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Events: Congress/Conference	,705	11,906	2	57	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	,710	11,628	2	57	,000
L&L - Events: Database Trainings	,939	1,843	2	57	,168
L&L - Events: Elearnings	,950	1,496	2	57	,233
L&L - Events: HR Training Offers	,673	13,853	2	57	,000
L&L - Events: External Training Offers	,578	20,834	2	57	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings	L&L - Events: Elearnings
Kovarianz	L&L - Events: Congress/Conference	,962	,070	,047	,044
	L&L - Events: Internal Scientific Fairs and Scientific Events	,070	,700	-,002	,037
	L&L - Events: Database Trainings	,047	-,002	,286	-,010
	L&L - Events: Elearnings	,044	,037	-,010	,639
	L&L - Events: HR Training Offers	-,164	-,118	-,074	,037
	L&L - Events: External Training Offers	,104	,160	,032	,202
Korrelation	L&L - Events: Congress/Conference	1,000	,085	,089	,056
	L&L - Events: Internal Scientific Fairs and Scientific Events	,085	1,000	-,004	,055
	L&L - Events: Database Trainings	,089	-,004	1,000	-,024
	L&L - Events: Elearnings	,056	,055	-,024	1,000
	L&L - Events: HR Training Offers	-,196	-,165	-,163	,055
	L&L - Events: External Training Offers	,128	,231	,071	,304

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: HR Training Offers	L&L - Events: External Training Offers
Kovarianz	L&L - Events: Congress/Conference	-,164	,104
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,118	,160
	L&L - Events: Database Trainings	-,074	,032
	L&L - Events: Elearnings	,037	,202
	L&L - Events: HR Training Offers	,727	,072
	L&L - Events: External Training Offers	,072	,689
Korrelation	L&L - Events: Congress/Conference	-,196	,128
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,165	,231
	L&L - Events: Database Trainings	-,163	,071
	L&L - Events: Elearnings	,055	,304
	L&L - Events: HR Training Offers	1,000	,102
	L&L - Events: External Training Offers	,102	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 57.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
1	L&L - Events: Congress/Conference	1,235	-,004	-,158
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,004	,390	-,055
	L&L - Events: Database Trainings	-,158	-,055	,191
	L&L - Events: Elearnings	,305	,154	,077
	L&L - Events: HR Training Offers	-,235	,004	-,029
	L&L - Events: External Training Offers	,048	-,004	,029
2	L&L - Events: Congress/Conference	,835	-,319	,132
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,319	,489	-,176
	L&L - Events: Database Trainings	,132	-,176	,264
	L&L - Events: Elearnings	-,330	,093	-,044
	L&L - Events: HR Training Offers	-,132	-,093	-,033
	L&L - Events: External Training Offers	-,209	,060	-,033
3	L&L - Events: Congress/Conference	,865	,292	,124
	L&L - Events: Internal Scientific Fairs and Scientific Events	,292	,975	,110
	L&L - Events: Database Trainings	,124	,110	,350
	L&L - Events: Elearnings	,068	-,057	-,044
	L&L - Events: HR Training Offers	-,138	-,198	-,119
	L&L - Events: External Training Offers	,282	,300	,063
Gesamt	L&L - Events: Congress/Conference	1,318	,320	-,011
	L&L - Events: Internal Scientific Fairs and Scientific Events	,320	,952	-,006
	L&L - Events: Database Trainings	-,011	-,006	,294
	L&L - Events: Elearnings	,056	,105	,006
	L&L - Events: HR Training Offers	,183	,176	-,102
	L&L - Events: External Training Offers	,155	-,041	-,045

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
1	L&L - Events: Congress/Conference	,305	-,235	,048
	L&L - Events: Internal Scientific Fairs and Scientific Events	,154	,004	-,004
	L&L - Events: Database Trainings	,077	-,029	,029
	L&L - Events: Elearnings	,684	-,055	,368
	L&L - Events: HR Training Offers	-,055	,485	,077
	L&L - Events: External Training Offers	,368	,077	1,110
2	L&L - Events: Congress/Conference	-,330	-,132	-,209
	L&L - Events: Internal Scientific Fairs and Scientific Events	,093	-,093	,060
	L&L - Events: Database Trainings	-,044	-,033	-,033
	L&L - Events: Elearnings	,687	,390	,082
	L&L - Events: HR Training Offers	,390	,995	,148
	L&L - Events: External Training Offers	,082	,148	,379
3	L&L - Events: Congress/Conference	,068	-,138	,282
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,057	-,198	,300
	L&L - Events: Database Trainings	-,044	-,119	,063
	L&L - Events: Elearnings	,591	-,074	,163
	L&L - Events: HR Training Offers	-,074	,741	,033
	L&L - Events: External Training Offers	,163	,033	,591
Gesamt	L&L - Events: Congress/Conference	,056	,183	,155
	L&L - Events: Internal Scientific Fairs and Scientific Events	,105	,176	-,041
	L&L - Events: Database Trainings	,006	-,102	-,045
	L&L - Events: Elearnings	,650	,085	,073
	L&L - Events: HR Training Offers	,085	1,044	-,024
	L&L - Events: External Training Offers	,073	-,024	1,151

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 59.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	-4,448
2	6	-4,899
3	6	-3,356
Gemeinsam innerhalb der Gruppen	6	-3,096

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

Textergebnisse

Box-M		52,354
F	Näherungswert	1,029
	df1	42
	df2	5438,744
	Signifikanz	,420

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

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,246[a]	71,0	71,0	,832
2	,918[a]	29,0	100,0	,692

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	,161	99,658	12	,000
2	,521	35,496	5	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion	
	1	2
L&L - Events: Congress/Conference	,414	,569
L&L - Events: Internal Scientific Fairs and Scientific Events	,656	,025
L&L - Events: Database Trainings	,163	-,304
L&L - Events: Elearnings	,272	-,386
L&L - Events: HR Training Offers	,677	,397
L&L - Events: External Training Offers	-,767	,657

Struktur-Matrix

	Funktion	
	1	2
L&L - Events: Internal Scientific Fairs and Scientific Events	,417*	,139
L&L - Events: HR Training Offers	,398*	,377
L&L - Events: Elearnings	,131*	-,124
L&L - Events: External Training Offers	-,399	,637*
L&L - Events: Congress/Conference	,268	,529*
L&L - Events: Database Trainings	,026	-,262*

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 - Events: Congress/Conference	,422	,580
L&L - Events: Internal Scientific Fairs and Scientific Events	,784	,030
L&L - Events: Database Trainings	,306	-,569
L&L - Events: Elearnings	,340	-,482
L&L - Events: HR Training Offers	,794	,466
L&L - Events: External Training Offers	-,925	,792
(Konstant)	-2,816	-2,702

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion	
Cluster-Nr. des Falls	1	2
1	-1,866	-,884
2	-,741	1,625
3	1,452	-,266

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		60
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		60

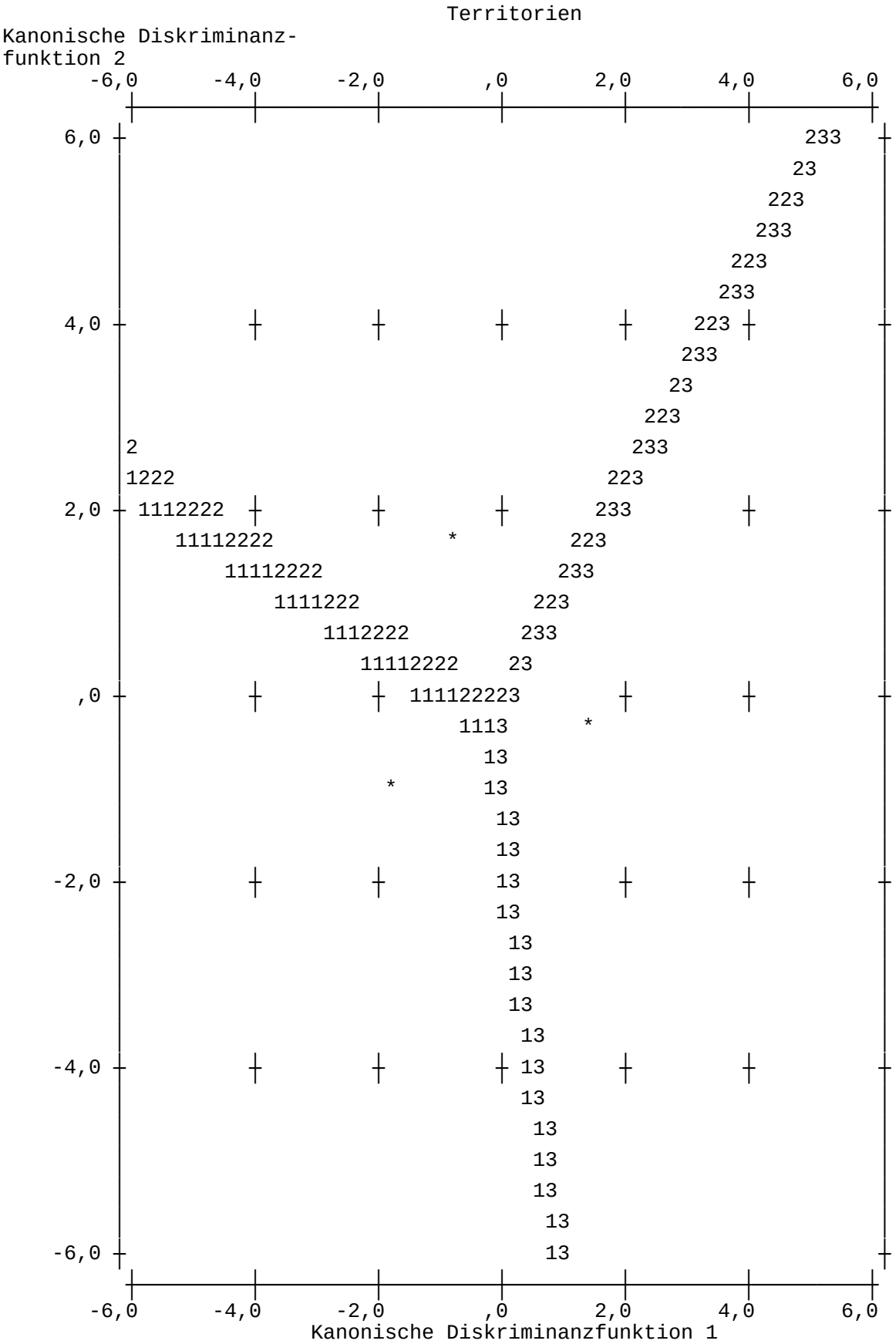
A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,333	17	17,000
2	,333	14	14,000
3	,333	29	29,000
Gesamt	1,000	60	60,000

Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls		
	1	2	3
L&L - Events: Congress/Conference	1,984	3,913	3,741
L&L - Events: Internal Scientific Fairs and Scientific Events	,452	1,408	3,072
L&L - Events: Database Trainings	6,234	5,150	6,896
L&L - Events: Elearnings	,867	,040	1,698
L&L - Events: HR Training Offers	2,139	4,201	5,060
L&L - Events: External Training Offers	1,906	2,854	-,672
(Konstant)	-12,240	-21,652	-22,211

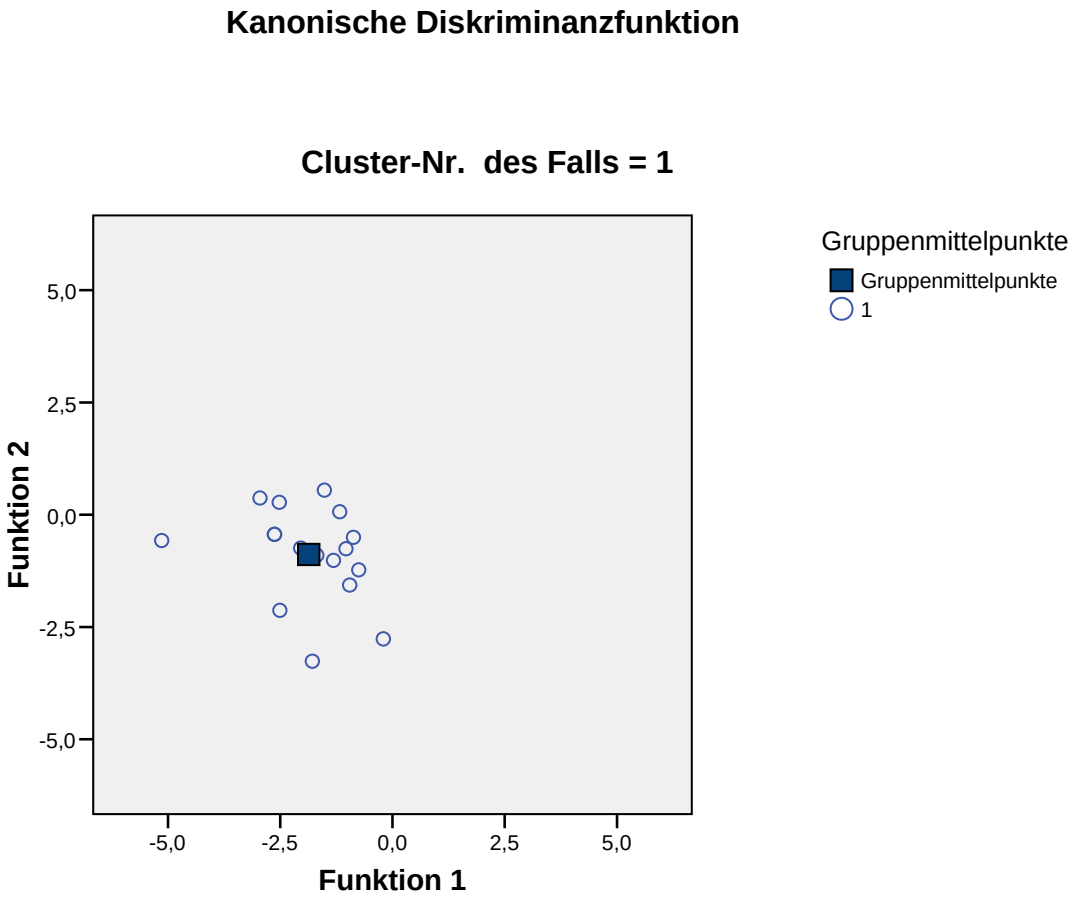
Lineare Diskriminanzfunktionen nach Fisher


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

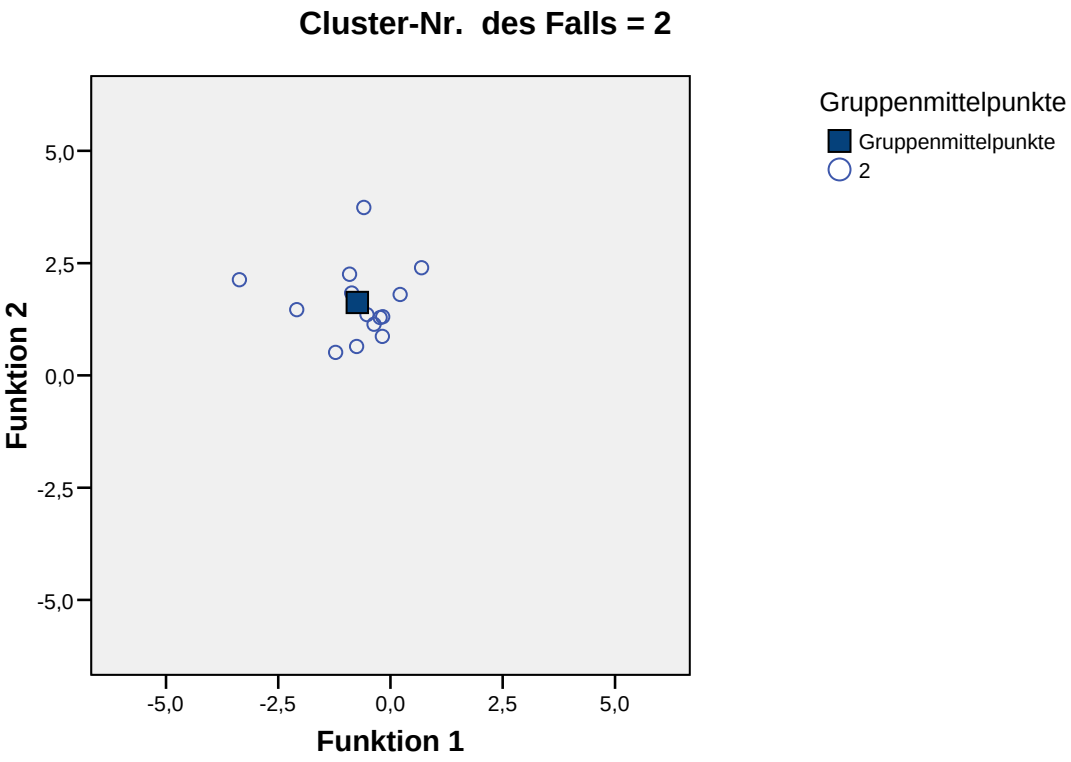
Symbole für Territorien

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

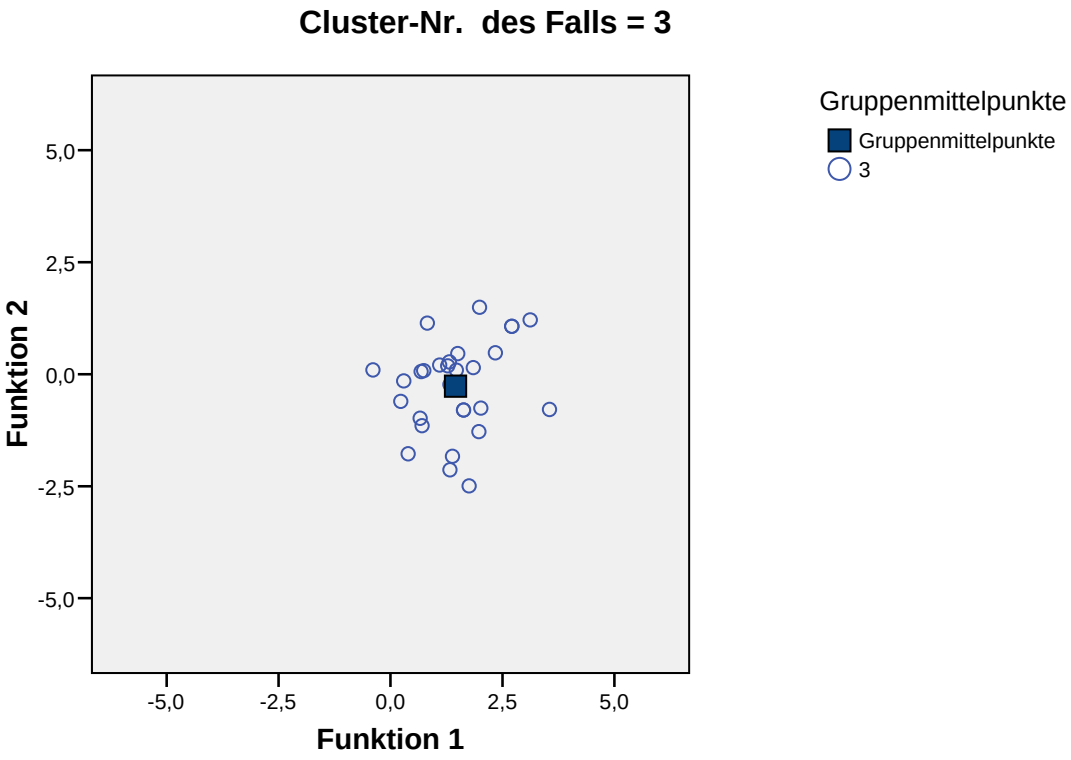
Graphische Darstellung getrennter Gruppen

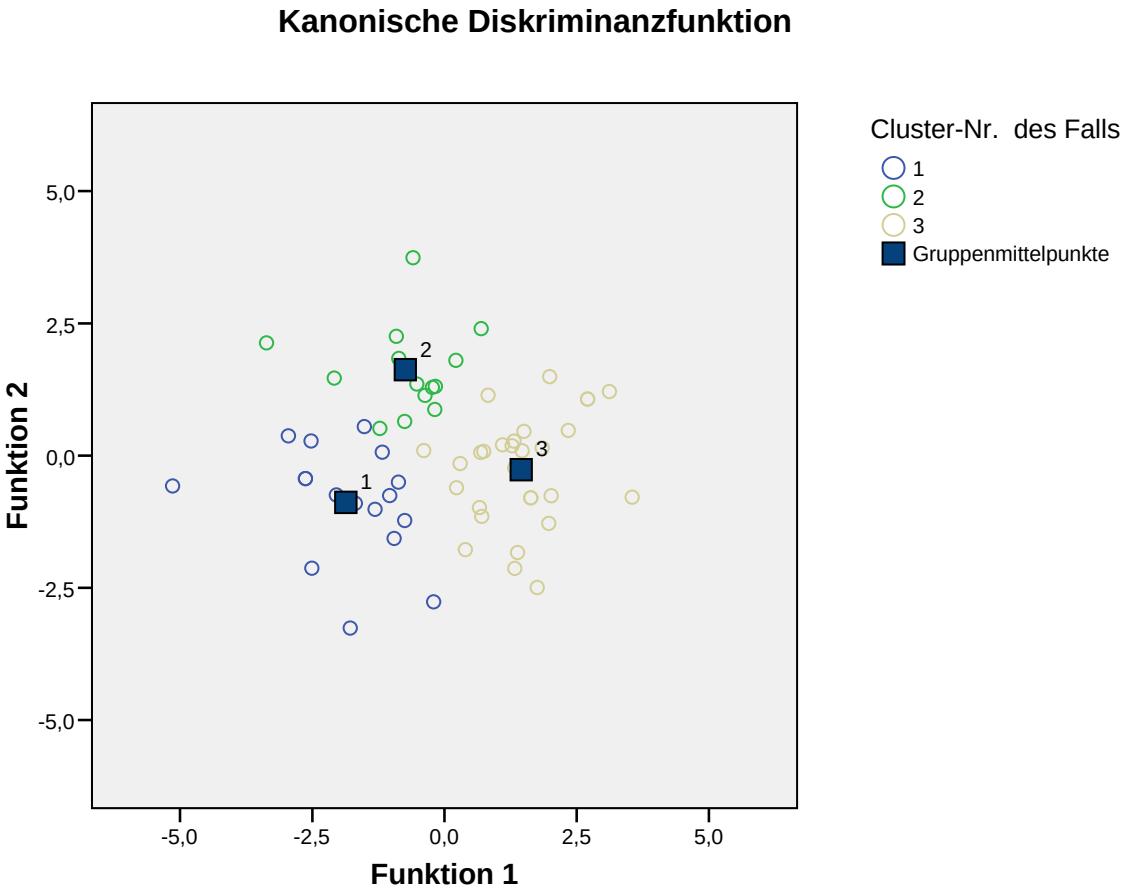


Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion





Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte Gruppenzugehörigkeit 1	2	3	Gesamt
Original	Anzahl	1	16	1	0	17
		2	0	14	0	14
		3	0	1	28	29
	%	1	94,1	5,9	,0	100,0
		2	,0	100,0	,0	100,0
		3	,0	3,4	96,6	100,0
Kreuzvalidiert[a]	Anzahl	1	15	1	1	17
		2	1	13	0	14
		3	0	2	27	29
	%	1	88,2	5,9	5,9	100,0
		2	7,1	92,9	,0	100,0
		3	,0	6,9	93,1	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. 96,7% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 91,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_TrainingParticipation.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		60	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		60	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
1	L&L - Events: Congress/Conference	1,50	,837	6	6,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,50	,548	6	6,000
	L&L - Events: Database Trainings	1,67	,516	6	6,000
	L&L - Events: Elearnings	,17	,408	6	6,000
	L&L - Events: HR Training Offers	1,50	1,049	6	6,000
	L&L - Events: External Training Offers	,50	,837	6	6,000
2	L&L - Events: Congress/Conference	1,67	,707	9	9,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,78	,833	9	9,000
	L&L - Events: Database Trainings	1,89	,333	9	9,000
	L&L - Events: Elearnings	1,56	,726	9	9,000
	L&L - Events: HR Training Offers	1,11	,782	9	9,000
	L&L - Events: External Training Offers	2,89	,782	9	9,000
3	L&L - Events: Congress/Conference	3,37	,669	30	30,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,67	,994	30	30,000
	L&L - Events: Database Trainings	1,63	,556	30	30,000
	L&L - Events: Elearnings	1,47	,681	30	30,000
	L&L - Events: HR Training Offers	2,40	,770	30	30,000
	L&L - Events: External Training Offers	1,70	,915	30	30,000
4	L&L - Events: Congress/Conference	3,93	,884	15	15,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,13	,834	15	15,000
	L&L - Events: Database Trainings	1,60	,632	15	15,000
	L&L - Events: Elearnings	,73	,704	15	15,000
	L&L - Events: HR Training Offers	1,13	,915	15	15,000
	L&L - Events: External Training Offers	2,53	,743	15	15,000
Gesamt	L&L - Events: Congress/Conference	3,07	1,148	60	60,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,28	,976	60	60,000
	L&L - Events: Database Trainings	1,67	,542	60	60,000
	L&L - Events: Elearnings	1,17	,806	60	60,000
	L&L - Events: HR Training Offers	1,80	1,022	60	60,000
	L&L - Events: External Training Offers	1,97	1,073	60	60,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Events: Congress/Conference	,404	27,544	3	56	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	,809	4,405	3	56	,007
L&L - Events: Database Trainings	,969	,605	3	56	,614
L&L - Events: Elearnings	,664	9,443	3	56	,000
L&L - Events: HR Training Offers	,638	10,575	3	56	,000
L&L - Events: External Training Offers	,595	12,704	3	56	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings	L&L - Events: Elearnings
Kovarianz	L&L - Events: Congress/Conference	,561	,065	,059	,032
	L&L - Events: Internal Scientific Fairs and Scientific Events	,065	,812	,016	-,021
	L&L - Events: Database Trainings	,059	,016	,300	-,010
	L&L - Events: Elearnings	,032	-,021	-,010	,455
	L&L - Events: HR Training Offers	,046	-,045	-,084	-,074
	L&L - Events: External Training Offers	,036	-,014	-,075	-,029
Korrelation	L&L - Events: Congress/Conference	1,000	,096	,144	,062
	L&L - Events: Internal Scientific Fairs and Scientific Events	,096	1,000	,033	-,035
	L&L - Events: Database Trainings	,144	,033	1,000	-,028
	L&L - Events: Elearnings	,062	-,035	-,028	1,000
	L&L - Events: HR Training Offers	,073	-,060	-,182	-,130
	L&L - Events: External Training Offers	,056	-,018	-,162	-,050

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: HR Training Offers	L&L - Events: External Training Offers
Kovarianz	L&L - Events: Congress/Conference	,046	,036
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,045	-,014
	L&L - Events: Database Trainings	-,084	-,075
	L&L - Events: Elearnings	-,074	-,029
	L&L - Events: HR Training Offers	,702	,217
	L&L - Events: External Training Offers	,217	,722
Korrelation	L&L - Events: Congress/Conference	,073	,056
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,060	-,018
	L&L - Events: Database Trainings	-,182	-,162
	L&L - Events: Elearnings	-,130	-,050
	L&L - Events: HR Training Offers	1,000	,305
	L&L - Events: External Training Offers	,305	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 56.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
1	L&L - Events: Congress/Conference	,700	-,100	-,400
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,100	,300	,000
	L&L - Events: Database Trainings	-,400	,000	,267
	L&L - Events: Elearnings	,300	-,100	-,133
	L&L - Events: HR Training Offers	-,100	,300	,000
	L&L - Events: External Training Offers	,100	-,300	,000
2	L&L - Events: Congress/Conference	,500	,167	-,042
	L&L - Events: Internal Scientific Fairs and Scientific Events	,167	,694	-,028
	L&L - Events: Database Trainings	-,042	-,028	,111
	L&L - Events: Elearnings	,333	,389	,069
	L&L - Events: HR Training Offers	,042	,028	,014
	L&L - Events: External Training Offers	-,167	,097	-,014
3	L&L - Events: Congress/Conference	,447	,057	,036
	L&L - Events: Internal Scientific Fairs and Scientific Events	,057	,989	,011
	L&L - Events: Database Trainings	,036	,011	,309
	L&L - Events: Elearnings	-,143	-,149	-,064
	L&L - Events: HR Training Offers	,090	-,172	-,090
	L&L - Events: External Training Offers	,079	,069	-,079
4	L&L - Events: Congress/Conference	,781	,081	,329
	L&L - Events: Internal Scientific Fairs and Scientific Events	,081	,695	,057
	L&L - Events: Database Trainings	,329	,057	,400
	L&L - Events: Elearnings	,124	,038	,100
	L&L - Events: HR Training Offers	,010	,052	-,157
	L&L - Events: External Training Offers	,038	-,148	-,129

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
Gesamt	L&L - Events: Congress/Conference	1,318	,320	-,011
	L&L - Events: Internal Scientific Fairs and Scientific Events	,320	,952	-,006
	L&L - Events: Database Trainings	-,011	-,006	,294
	L&L - Events: Elearnings	,056	,105	,006
	L&L - Events: HR Training Offers	,183	,176	-,102
	L&L - Events: External Training Offers	,155	-,041	-,045

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
1	L&L - Events: Congress/Conference	,300	-,100	,100
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,100	,300	-,300
	L&L - Events: Database Trainings	-,133	,000	,000
	L&L - Events: Elearnings	,167	-,100	,100
	L&L - Events: HR Training Offers	-,100	1,100	,100
	L&L - Events: External Training Offers	,100	,100	,700
2	L&L - Events: Congress/Conference	,333	,042	-,167
	L&L - Events: Internal Scientific Fairs and Scientific Events	,389	,028	,097
	L&L - Events: Database Trainings	,069	,014	-,014
	L&L - Events: Elearnings	,528	,056	-,056
	L&L - Events: HR Training Offers	,056	,611	,139
	L&L - Events: External Training Offers	-,056	,139	,611
3	L&L - Events: Congress/Conference	-,143	,090	,079
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,149	-,172	,069
	L&L - Events: Database Trainings	-,064	-,090	-,079
	L&L - Events: Elearnings	,464	-,055	,041
	L&L - Events: HR Training Offers	-,055	,593	,228
	L&L - Events: External Training Offers	,041	,228	,838
4	L&L - Events: Congress/Conference	,124	,010	,038
	L&L - Events: Internal Scientific Fairs and Scientific Events	,038	,052	-,148
	L&L - Events: Database Trainings	,100	-,157	-,129
	L&L - Events: Elearnings	,495	-,176	-,205
	L&L - Events: HR Training Offers	-,176	,838	,281
	L&L - Events: External Training Offers	-,205	,281	,552

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
Gesamt	L&L - Events: Congress/Conference	,056	,183	,155
	L&L - Events: Internal Scientific Fairs and Scientific Events	,105	,176	-,041
	L&L - Events: Database Trainings	,006	-,102	-,045
	L&L - Events: Elearnings	,650	,085	,073
	L&L - Events: HR Training Offers	,085	1,044	-,024
	L&L - Events: External Training Offers	,073	-,024	1,151

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 59.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	.[a]	.[b]
2	6	-7,086
3	6	-3,991
4	6	-4,184
Gemeinsam innerhalb der Gruppen	6	-3,682

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

a. Rang < 6

b. Zu wenig Fälle für Nicht-Singularität

Textergebnisse[a]

Box-M		71,820
F	Näherungswert	1,292
	df1	42
	df2	2032,391
	Signifikanz	,100

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 -3,121.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	1,689[a]	41,8	41,8	,793
2	1,490[a]	36,9	78,7	,774
3	,858[a]	21,3	100,0	,680

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	,080	136,131	18	,000
2 bis 3	,216	82,717	10	,000
3	,538	33,461	4	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion		
	1	2	3
L&L - Events: Congress/Conference	,768	-,593	-,192
L&L - Events: Internal Scientific Fairs and Scientific Events	,302	,155	,252
L&L - Events: Database Trainings	-,200	,135	,275
L&L - Events: Elearnings	,145	,255	,793
L&L - Events: HR Training Offers	,468	,722	,158
L&L - Events: External Training Offers	-,346	-,663	,595

Struktur-Matrix

	Funktion		
	1	2	3
L&L - Events: Congress/Conference	,792*	-,527	-,034
L&L - Events: HR Training Offers	,419*	,409	,157
L&L - Events: Internal Scientific Fairs and Scientific Events	,342*	,062	,194
L&L - Events: Database Trainings	-,113*	,023	,108
L&L - Events: Elearnings	,144	,148	,714*
L&L - Events: External Training Offers	-,141	-,514	,543*

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 - Events: Congress/Conference	1,026	-,792	-,256
L&L - Events: Internal Scientific Fairs and Scientific Events	,335	,172	,280
L&L - Events: Database Trainings	-,365	,247	,502
L&L - Events: Elearnings	,215	,379	1,177
L&L - Events: HR Training Offers	,559	,861	,189
L&L - Events: External Training Offers	-,407	-,781	,700
(Konstant)	-3,424	1,339	-3,499

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion		
Cluster-Nr. des Falls	1	2	3
1	-1,655	1,614	-2,078
2	-2,364	-,089	1,302
3	,957	,659	,293
4	,167	-1,910	-,537

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		60
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		60

A-priori-Wahrscheinlichkeiten der Gruppen

		In der Analyse verwendete Fälle	
Cluster-Nr. des Falls	A-priori	Ungewichtet	Gewichtet
1	,250	6	6,000
2	,250	9	9,000
3	,250	30	30,000
4	,250	15	15,000
Gesamt	1,000	60	60,000

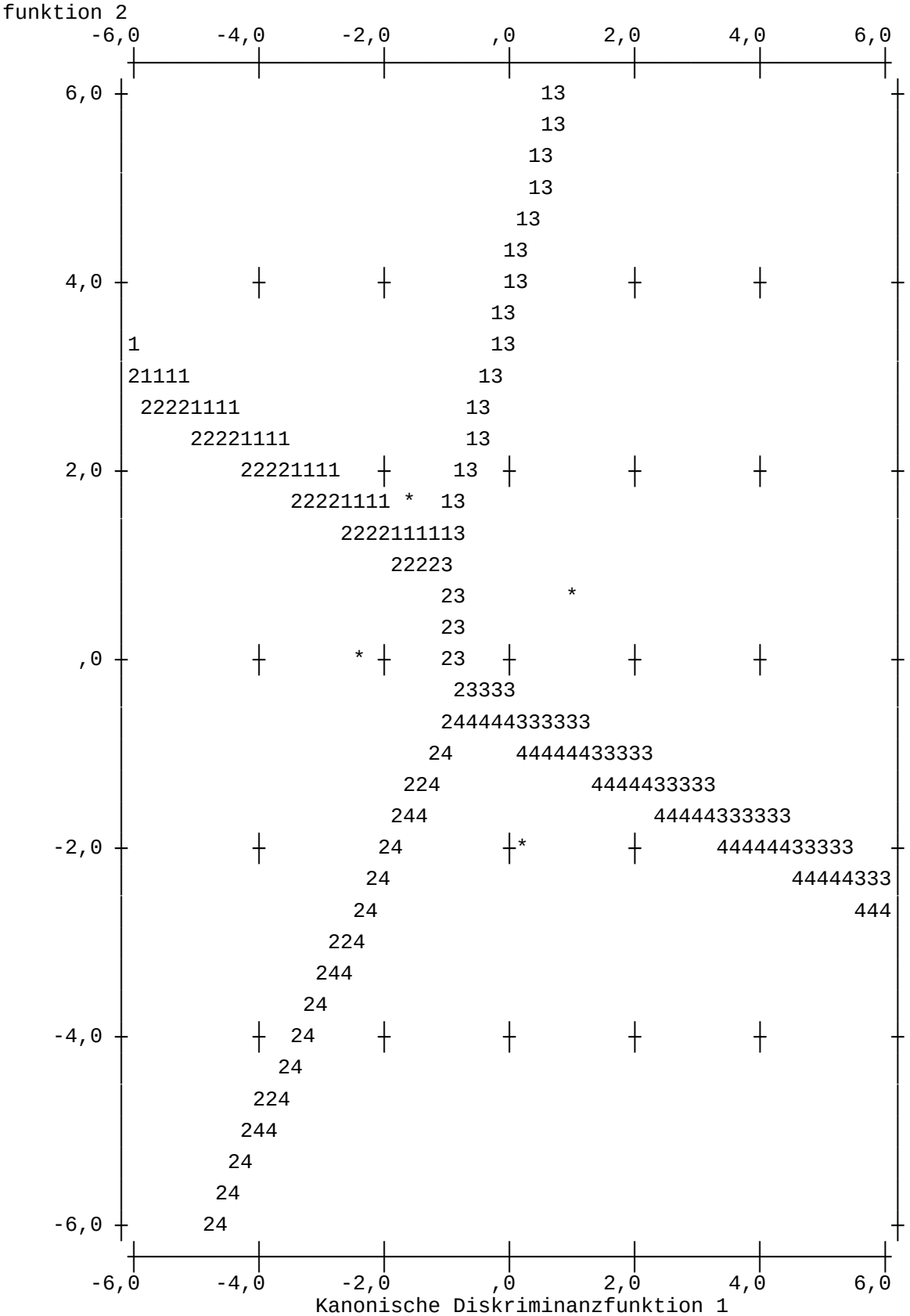
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls			
	1	2	3	4
L&L - Events: Congress/Conference	1,665	1,421	4,493	5,930
L&L - Events: Internal Scientific Fairs and Scientific Events	,545	,960	1,919	,979
L&L - Events: Database Trainings	6,116	7,649	6,117	5,354
L&L - Events: Elearnings	,889	4,069	3,877	1,758
L&L - Events: HR Training Offers	2,740	1,515	3,825	1,014
L&L - Events: External Training Offers	,470	4,455	1,813	3,559
(Konstant)	-10,115	-20,609	-24,518	-23,615

Lineare Diskriminanzfunktionen nach Fisher

Territorien

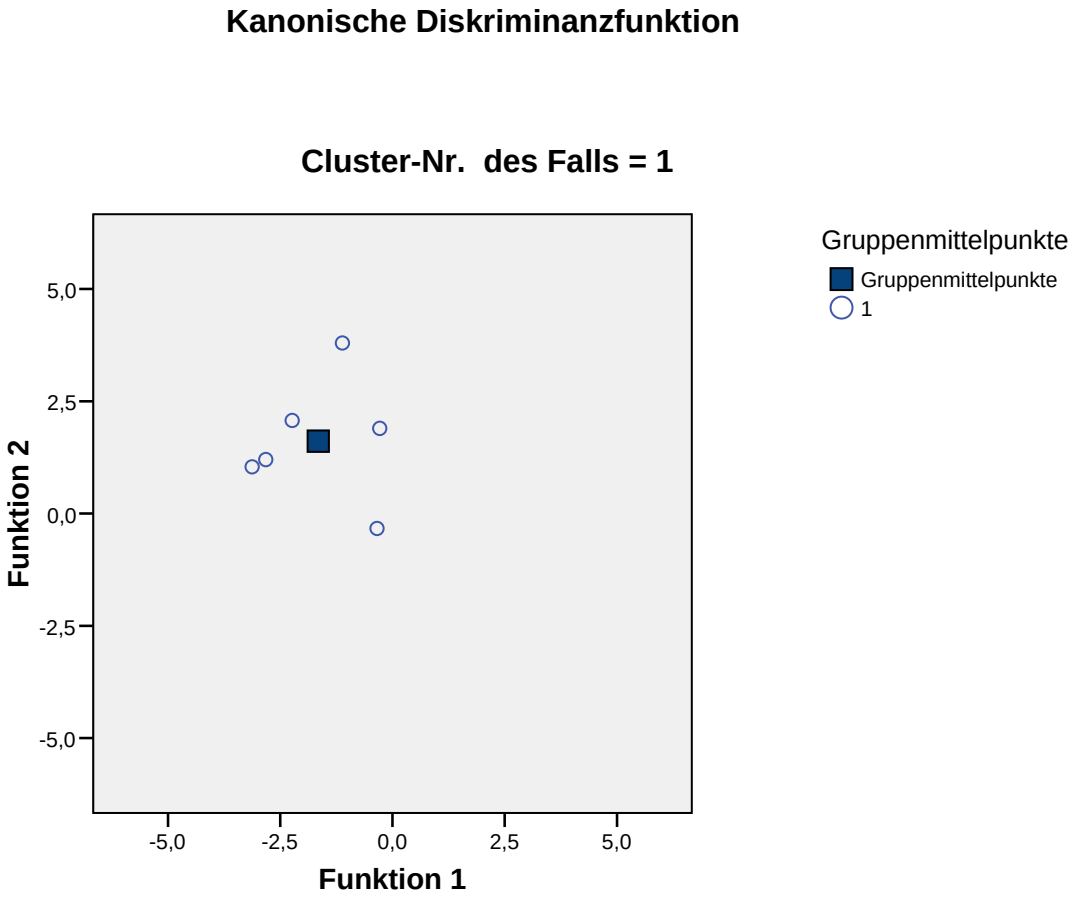
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



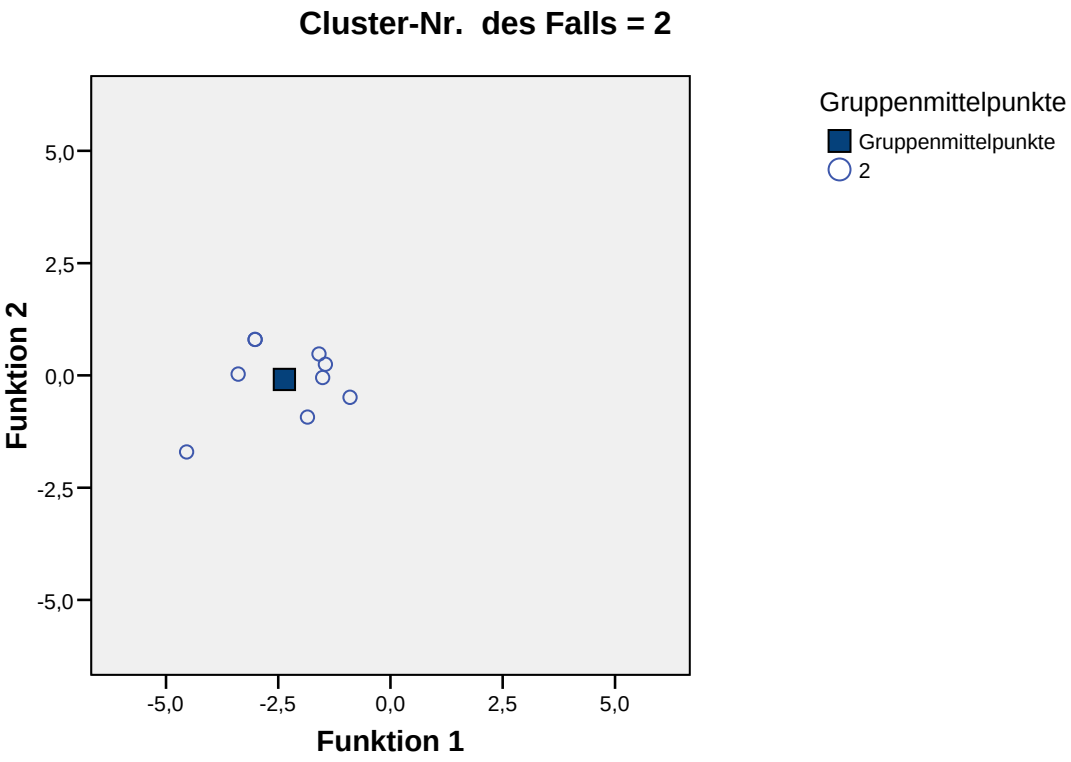
Symbole für Territorien

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

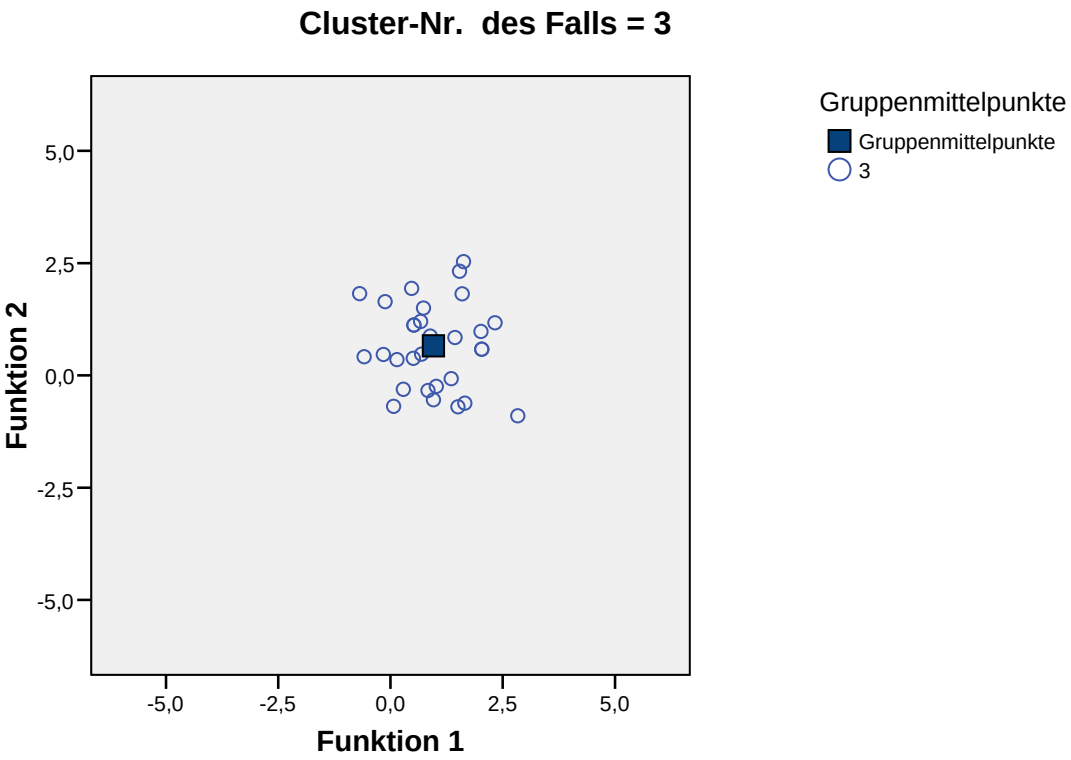
Graphische Darstellung getrennter Gruppen



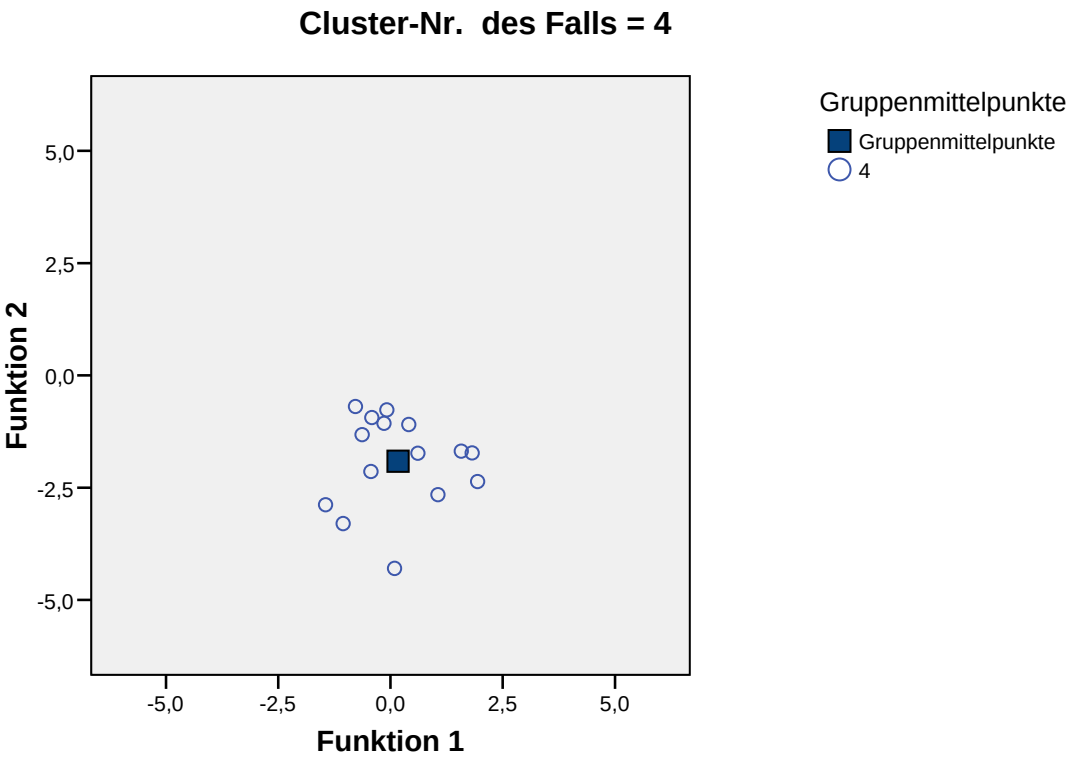
Kanonische Diskriminanzfunktion

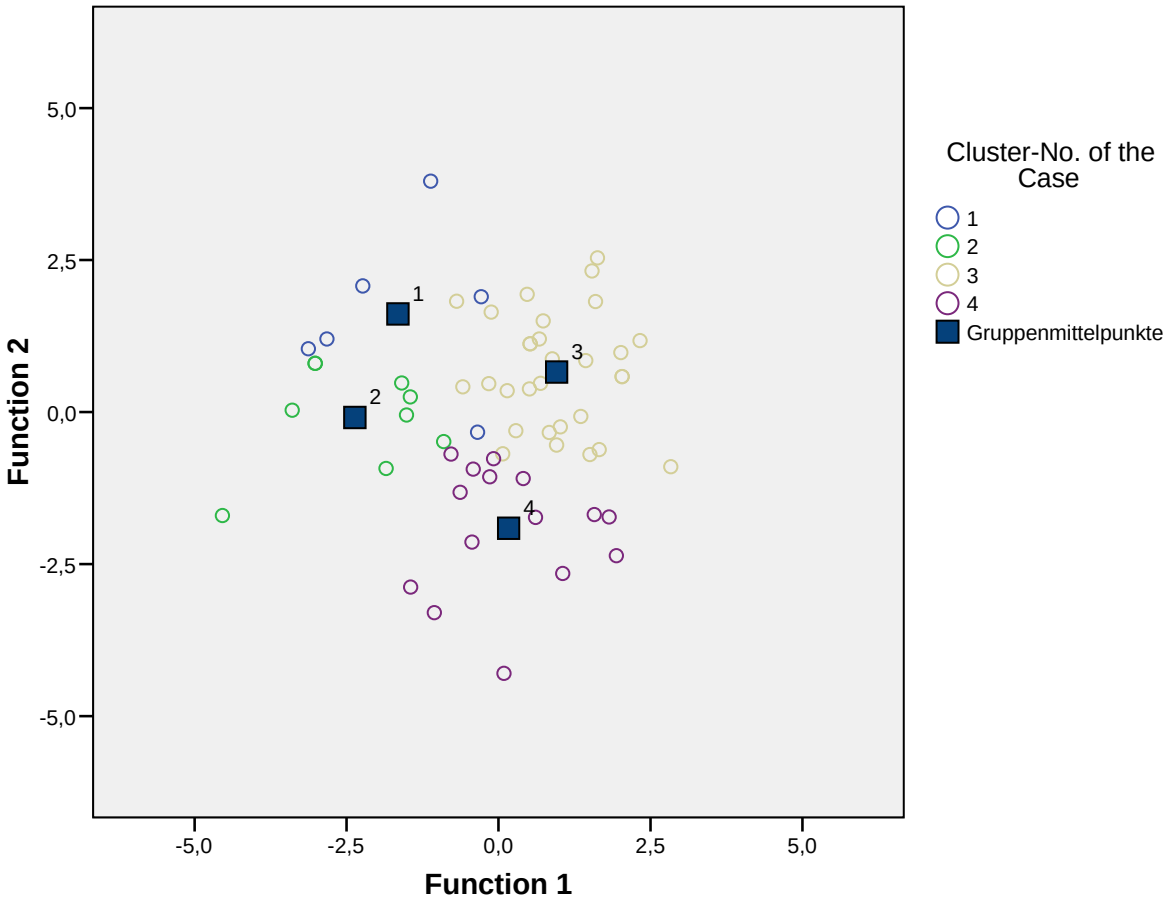


Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion





Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte Gruppenzugehörigkeit		
			1	2	3
Original	Anzahl	1	5	0	0
		2	0	9	0
		3	0	0	29
		4	0	0	0
	%	1	83,3	,0	,0
		2	,0	100,0	,0
		3	,0	,0	96,7
		4	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	5	0	0
		2	0	8	0
		3	2	1	25
		4	0	0	1
	%	1	83,3	,0	,0
		2	,0	88,9	,0
		3	6,7	3,3	83,3
		4	,0	,0	6,7

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorherges 4	Gesamt
Original	Anzahl	1	1	6
		2	0	9
		3	1	30
		4	15	15
	%	1	16,7	100,0
		2	,0	100,0
		3	3,3	100,0
		4	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	1	6
		2	1	9
		3	2	30
		4	14	15
	%	1	16,7	100,0
		2	11,1	100,0
		3	6,7	100,0
		4	93,3	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. 96,7% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 86,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_ fertigeDateien\scientists results\User Analysis\L&L_TrainingParticipation.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		60	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		60	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
1	L&L - Events: Congress/Conference	2,00	1,195	8	8,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,50	,535	8	8,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
1	L&L - Events: Database Trainings	1,63	,518	8	8,000
	L&L - Events: Elearnings	,38	,744	8	8,000
	L&L - Events: HR Training Offers	1,75	1,035	8	8,000
	L&L - Events: External Training Offers	,38	,744	8	8,000
2	L&L - Events: Congress/Conference	3,67	,816	15	15,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	2,40	,737	15	15,000
	L&L - Events: Database Trainings	1,87	,516	15	15,000
	L&L - Events: Elearnings	1,33	,488	15	15,000
	L&L - Events: HR Training Offers	1,80	,862	15	15,000
	L&L - Events: External Training Offers	1,47	,640	15	15,000
3	L&L - Events: Congress/Conference	3,78	,833	9	9,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,78	,441	9	9,000
	L&L - Events: Database Trainings	1,56	,527	9	9,000
	L&L - Events: Elearnings	,67	,707	9	9,000
	L&L - Events: HR Training Offers	,67	,500	9	9,000
	L&L - Events: External Training Offers	2,44	,726	9	9,000
4	L&L - Events: Congress/Conference	3,37	,761	19	19,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,21	,787	19	19,000
	L&L - Events: Database Trainings	1,47	,612	19	19,000
	L&L - Events: Elearnings	1,42	,838	19	19,000
	L&L - Events: HR Training Offers	2,68	,582	19	19,000
	L&L - Events: External Training Offers	2,37	,831	19	19,000
5	L&L - Events: Congress/Conference	1,67	,707	9	9,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,78	,833	9	9,000
	L&L - Events: Database Trainings	1,89	,333	9	9,000
	L&L - Events: Elearnings	1,56	,726	9	9,000
	L&L - Events: HR Training Offers	1,11	,782	9	9,000
	L&L - Events: External Training Offers	2,89	,782	9	9,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
Gesamt	L&L - Events: Congress/Conference	3,07	1,148	60	60,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,28	,976	60	60,000
	L&L - Events: Database Trainings	1,67	,542	60	60,000
	L&L - Events: Elearnings	1,17	,806	60	60,000
	L&L - Events: HR Training Offers	1,80	1,022	60	60,000
	L&L - Events: External Training Offers	1,97	1,073	60	60,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Events: Congress/Conference	,506	13,440	4	55	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	,496	13,970	4	55	,000
L&L - Events: Database Trainings	,892	1,670	4	55	,170
L&L - Events: Elearnings	,732	5,033	4	55	,002
L&L - Events: HR Training Offers	,502	13,666	4	55	,000
L&L - Events: External Training Offers	,458	16,246	4	55	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings	L&L - Events: Elearnings
Kovarianz	L&L - Events: Congress/Conference	,715	-,011	,033	,031
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,011	,507	-,067	-,032
	L&L - Events: Database Trainings	,033	-,067	,281	-,014
	L&L - Events: Elearnings	,031	-,032	-,014	,510
	L&L - Events: HR Training Offers	,070	,055	-,046	-,041
	L&L - Events: External Training Offers	,115	,053	-,029	-,137
Korrelation	L&L - Events: Congress/Conference	1,000	-,018	,073	,052
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,018	1,000	-,179	-,062
	L&L - Events: Database Trainings	,073	-,179	1,000	-,037
	L&L - Events: Elearnings	,052	-,062	-,037	1,000
	L&L - Events: HR Training Offers	,111	,103	-,116	-,077
	L&L - Events: External Training Offers	,180	,098	-,073	-,254

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: HR Training Offers	L&L - Events: External Training Offers
Kovarianz	L&L - Events: Congress/Conference	,070	,115
	L&L - Events: Internal Scientific Fairs and Scientific Events	,055	,053
	L&L - Events: Database Trainings	-,046	-,029
	L&L - Events: Elearnings	-,041	-,137
	L&L - Events: HR Training Offers	,562	,033
	L&L - Events: External Training Offers	,033	,566
Korrelation	L&L - Events: Congress/Conference	,111	,180
	L&L - Events: Internal Scientific Fairs and Scientific Events	,103	,098
	L&L - Events: Database Trainings	-,116	-,073
	L&L - Events: Elearnings	-,077	-,254
	L&L - Events: HR Training Offers	1,000	,058
	L&L - Events: External Training Offers	,058	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 55.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
1	L&L - Events: Congress/Conference	1,429	,000	-,429
	L&L - Events: Internal Scientific Fairs and Scientific Events	,000	,286	-,071
	L&L - Events: Database Trainings	-,429	-,071	,268
	L&L - Events: Elearnings	,429	-,214	,018
	L&L - Events: HR Training Offers	,429	,286	-,107
	L&L - Events: External Training Offers	-,143	-,214	,018
2	L&L - Events: Congress/Conference	,667	,286	,167
	L&L - Events: Internal Scientific Fairs and Scientific Events	,286	,543	,129
	L&L - Events: Database Trainings	,167	,129	,267
	L&L - Events: Elearnings	-,024	-,143	,048
	L&L - Events: HR Training Offers	,000	,157	-,029
	L&L - Events: External Training Offers	,381	,086	-,005
3	L&L - Events: Congress/Conference	,694	-,056	,264
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,056	,194	-,111
	L&L - Events: Database Trainings	,264	-,111	,278
	L&L - Events: Elearnings	-,083	-,208	,083
	L&L - Events: HR Training Offers	-,208	,167	-,167
	L&L - Events: External Training Offers	-,014	-,014	-,028
4	L&L - Events: Congress/Conference	,579	-,304	,038
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,304	,620	-,216
	L&L - Events: Database Trainings	,038	-,216	,374
	L&L - Events: Elearnings	-,164	,018	-,155
	L&L - Events: HR Training Offers	,123	-,152	-,009
	L&L - Events: External Training Offers	,190	,140	-,073

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
5	L&L - Events: Congress/Conference	,500	,167	-,042
	L&L - Events: Internal Scientific Fairs and Scientific Events	,167	,694	-,028
	L&L - Events: Database Trainings	-,042	-,028	,111
	L&L - Events: Elearnings	,333	,389	,069
	L&L - Events: HR Training Offers	,042	,028	,014
	L&L - Events: External Training Offers	-,167	,097	-,014
Gesamt	L&L - Events: Congress/Conference	1,318	,320	-,011
	L&L - Events: Internal Scientific Fairs and Scientific Events	,320	,952	-,006
	L&L - Events: Database Trainings	-,011	-,006	,294
	L&L - Events: Elearnings	,056	,105	,006
	L&L - Events: HR Training Offers	,183	,176	-,102
	L&L - Events: External Training Offers	,155	-,041	-,045

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
1	L&L - Events: Congress/Conference	,429	,429	-,143
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,214	,286	-,214
	L&L - Events: Database Trainings	,018	-,107	,018
	L&L - Events: Elearnings	,554	-,036	-,018
	L&L - Events: HR Training Offers	-,036	1,071	-,036
	L&L - Events: External Training Offers	-,018	-,036	,554
2	L&L - Events: Congress/Conference	-,024	,000	,381
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,143	,157	,086
	L&L - Events: Database Trainings	,048	-,029	-,005
	L&L - Events: Elearnings	,238	,000	-,024
	L&L - Events: HR Training Offers	,000	,743	,171
	L&L - Events: External Training Offers	-,024	,171	,410
3	L&L - Events: Congress/Conference	-,083	-,208	-,014
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,208	,167	-,014
	L&L - Events: Database Trainings	,083	-,167	-,028
	L&L - Events: Elearnings	,500	-,125	-,208
	L&L - Events: HR Training Offers	-,125	,250	-,083
	L&L - Events: External Training Offers	-,208	-,083	,528
4	L&L - Events: Congress/Conference	-,164	,123	,190
	L&L - Events: Internal Scientific Fairs and Scientific Events	,018	-,152	,140
	L&L - Events: Database Trainings	-,155	-,009	-,073
	L&L - Events: Elearnings	,702	-,082	-,275
	L&L - Events: HR Training Offers	-,082	,339	-,044
	L&L - Events: External Training Offers	-,275	-,044	,690

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
5	L&L - Events: Congress/Conference	,333	,042	-,167
	L&L - Events: Internal Scientific Fairs and Scientific Events	,389	,028	,097
	L&L - Events: Database Trainings	,069	,014	-,014
	L&L - Events: Elearnings	,528	,056	-,056
	L&L - Events: HR Training Offers	,056	,611	,139
	L&L - Events: External Training Offers	-,056	,139	,611
Gesamt	L&L - Events: Congress/Conference	,056	,183	,155
	L&L - Events: Internal Scientific Fairs and Scientific Events	,105	,176	-,041
	L&L - Events: Database Trainings	,006	-,102	-,045
	L&L - Events: Elearnings	,650	,085	,073
	L&L - Events: HR Training Offers	,085	1,044	-,024
	L&L - Events: External Training Offers	,073	-,024	1,151

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 59.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	-6,957
2	6	-7,409
3	6	-9,509
4	6	-5,337
5	6	-7,086
Gemeinsam innerhalb der Gruppen	6	-4,317

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

Textergebnisse

Box-M		143,835
F	Näherungswert	1,209
	df1	84
	df2	3010,678
	Signifikanz	,097

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

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,003[a]	37,9	37,9	,817
2	1,606[a]	30,4	68,3	,785
3	1,015[a]	19,2	87,5	,710
4	,658[a]	12,5	100,0	,630

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	,038	174,617	24	,000
2 bis 4	,115	115,780	15	,000
3 bis 4	,299	64,537	8	,000
4	,603	27,063	3	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion			
	1	2	3	4
L&L - Events: Congress/Conference	,565	,229	-,381	-,678
L&L - Events: Internal Scientific Fairs and Scientific Events	,547	,518	-,200	,511
L&L - Events: Database Trainings	,017	,201	-,037	,516
L&L - Events: Elearnings	-,316	,620	,139	,249
L&L - Events: HR Training Offers	,063	,287	,924	-,173
L&L - Events: External Training Offers	-,809	,555	-,212	-,125

Struktur-Matrix

	Funktion			
	1	2	3	4
L&L - Events: External Training Offers	-,571*	,491	-,280	-,308
L&L - Events: Internal Scientific Fairs and Scientific Events	,481	,523*	-,121	,385
L&L - Events: Elearnings	-,120	,429*	,115	,208
L&L - Events: HR Training Offers	,157	,327	,842*	-,282
L&L - Events: Congress/Conference	,401	,398	-,308	-,679*
L&L - Events: Database Trainings	,024	,029	-,126	,395*

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 - Events: Congress/Conference	,668	,271	-,450	-,802
L&L - Events: Internal Scientific Fairs and Scientific Events	,769	,727	-,281	,717
L&L - Events: Database Trainings	,032	,379	-,070	,973
L&L - Events: Elearnings	-,442	,868	,194	,348
L&L - Events: HR Training Offers	,084	,383	1,233	-,231
L&L - Events: External Training Offers	-1,075	,737	-,282	-,167
(Konstant)	-,612	-5,547	-,032	,255

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

	Funktion			
Cluster-Nr. des Falls	1	2	3	4
1	,740	-2,754	,937	,255
2	1,730	,827	-,424	,656
3	-,304	-,733	-1,800	-1,033
4	-,331	,811	,924	-,665
5	-2,538	,090	-,278	1,118

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		60
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		60

A-priori-Wahrscheinlichkeiten der Gruppen

		In der Analyse verwendete Fälle	
Cluster-Nr. des Falls	A-priori	Ungewichtet	Gewichtet
1	,200	8	8,000
2	,200	15	15,000
3	,200	9	9,000
4	,200	19	19,000
5	,200	9	9,000
Gesamt	1,000	60	60,000

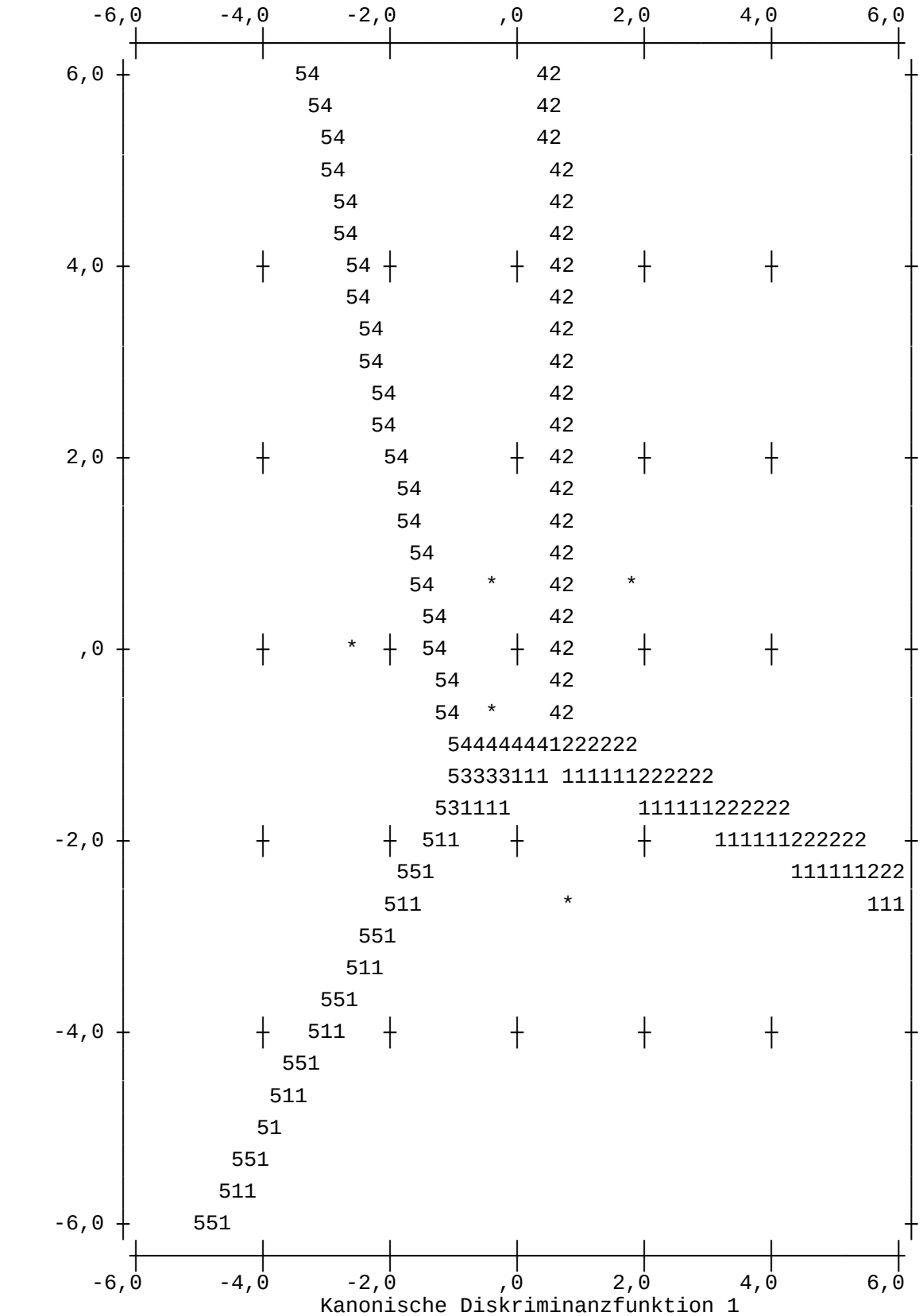
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls				
	1	2	3	4	5
L&L - Events: Congress/Conference	2,047	3,970	4,161	3,040	,480
L&L - Events: Internal Scientific Fairs and Scientific Events	1,570	5,606	2,082	2,684	2,078
L&L - Events: Database Trainings	6,586	8,461	6,257	7,008	8,483
L&L - Events: Elearnings	1,308	3,852	2,543	4,552	5,289
L&L - Events: HR Training Offers	3,308	2,992	,918	4,782	2,427
L&L - Events: External Training Offers	,562	2,454	4,161	4,497	6,381
(Konstant)	-12,646	-30,572	-21,385	-28,496	-25,509

Lineare Diskriminanzfunktionen nach Fisher

Territorien

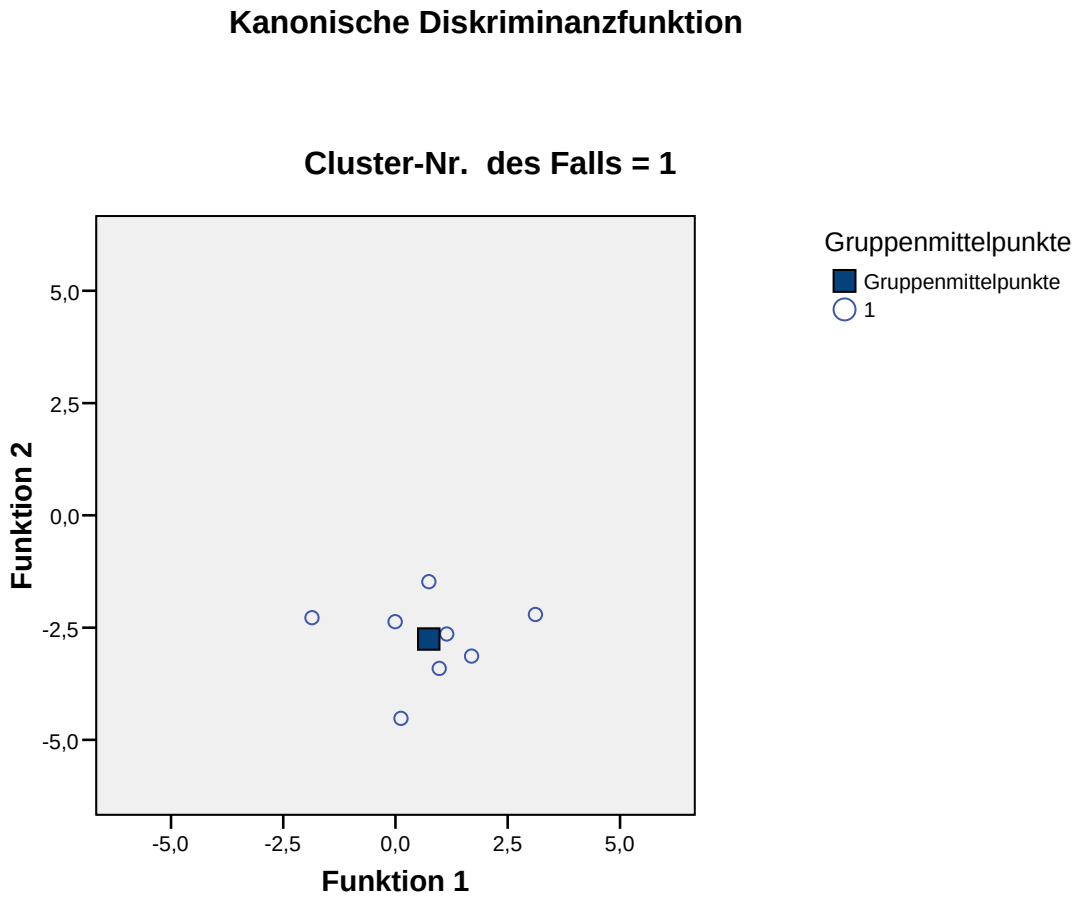
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



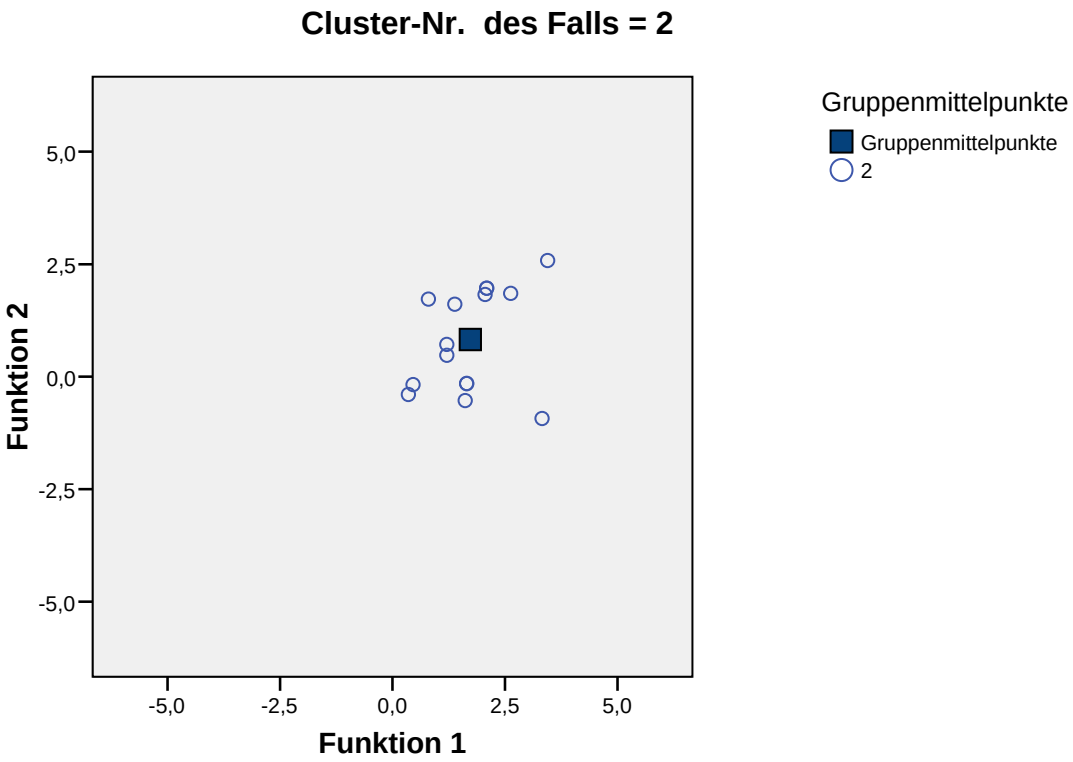
Symbole für Territorien

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

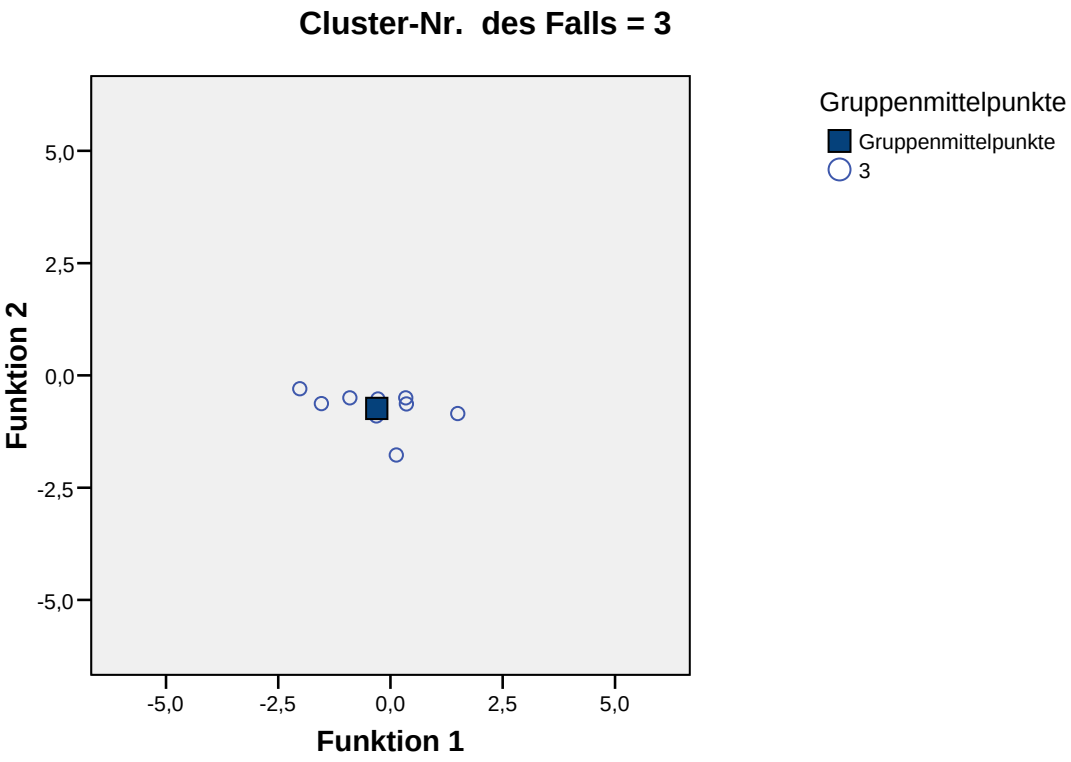
Graphische Darstellung getrennter Gruppen



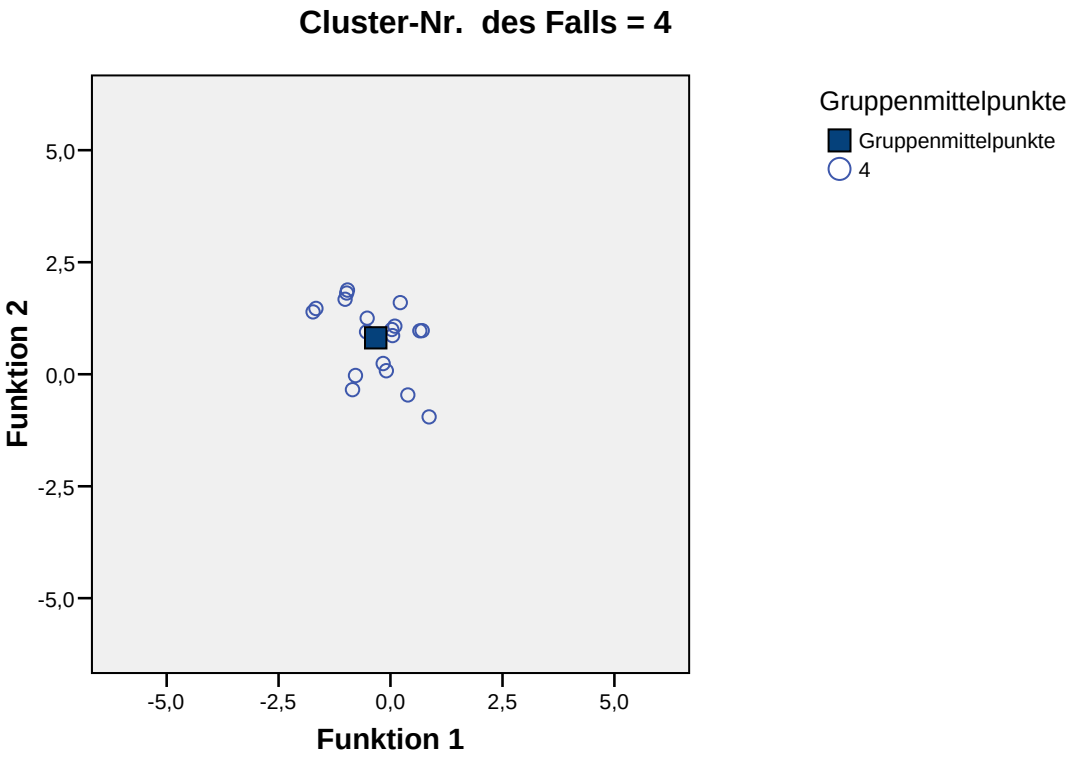
Kanonische Diskriminanzfunktion



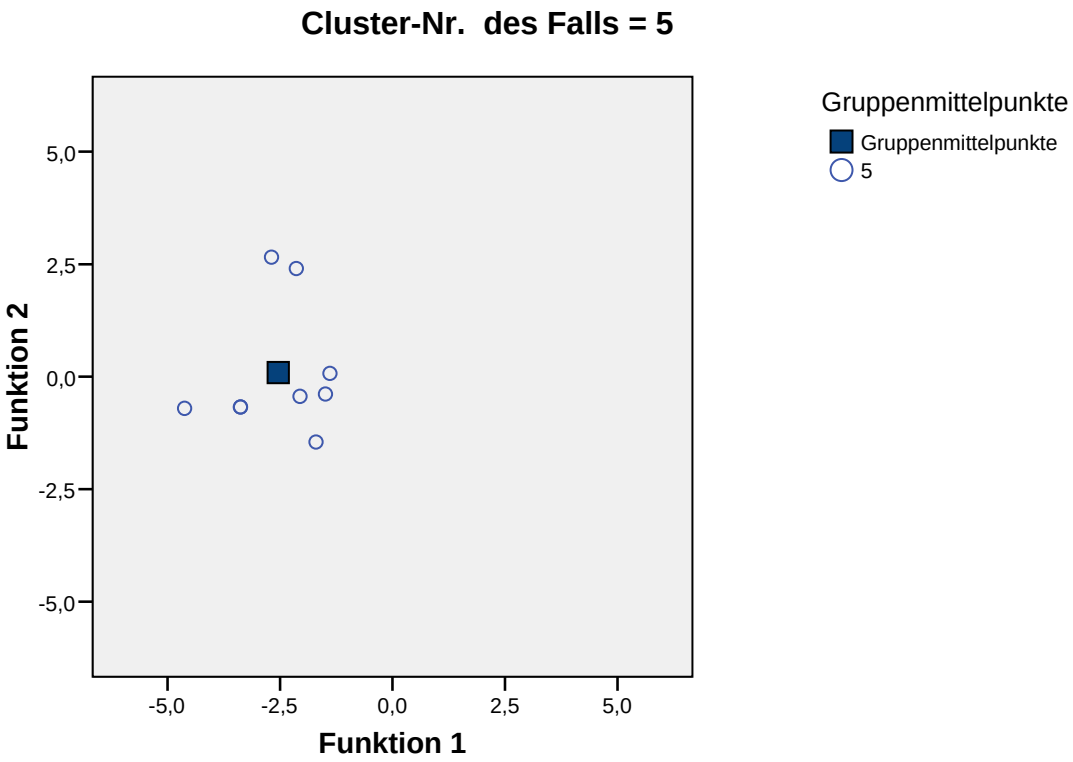
Kanonische Diskriminanzfunktion



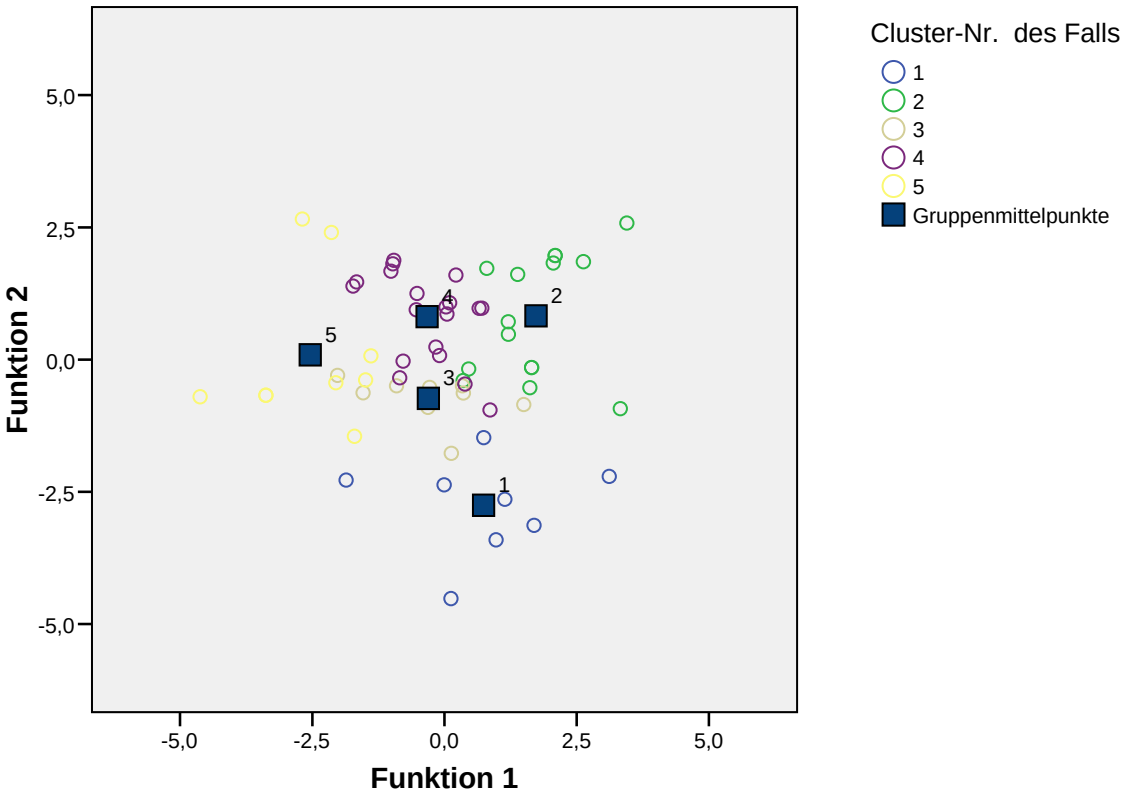
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte Gruppenzugehörigkeit			
			1	2	3	4
Original	Anzahl	1	8	0	0	0
		2	0	14	1	0
		3	0	0	9	0
		4	0	0	0	19
		5	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	93,3	6,7	,0
		3	,0	,0	100,0	,0
		4	,0	,0	,0	100,0
		5	,0	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	6	0	1	0
		2	0	14	1	0
		3	0	0	9	0
		4	1	1	1	15
		5	0	0	1	0
	%	1	75,0	,0	12,5	,0
		2	,0	93,3	6,7	,0
		3	,0	,0	100,0	,0
		4	5,3	5,3	5,3	78,9
		5	,0	,0	11,1	,0

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorherges 5	Gesamt
Original	Anzahl	1	0	8
		2	0	15
		3	0	9
		4	0	19
		5	9	9
	%	1	,0	100,0
		2	,0	100,0
		3	,0	100,0
		4	,0	100,0
		5	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	1	8
		2	0	15
		3	0	9
		4	1	19
		5	8	9
	%	1	12,5	100,0
		2	,0	100,0
		3	,0	100,0
		4	5,3	100,0
		5	88,9	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. 98,3% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 86,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

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[DatenSet2] \\RPZMS000362\U_muehlbs1$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work
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Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		60	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		60	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gültige Werte (listenweise) Gewichtet
1	L&L - Events: Congress/Conference	1,50	,535	8	8,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,88	,835	8	8,000
	L&L - Events: Database Trainings	1,88	,354	8	8,000
	L&L - Events: Elearnings	1,50	,756	8	8,000
	L&L - Events: HR Training Offers	1,13	,835	8	8,000
	L&L - Events: External Training Offers	3,00	,756	8	8,000
2	L&L - Events: Congress/Conference	4,08	,793	12	12,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	2,33	,778	12	12,000
	L&L - Events: Database Trainings	1,58	,669	12	12,000
	L&L - Events: Elearnings	1,17	,577	12	12,000
	L&L - Events: HR Training Offers	2,17	,718	12	12,000
	L&L - Events: External Training Offers	2,50	,674	12	12,000
3	L&L - Events: Congress/Conference	1,20	,447	5	5,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,60	,548	5	5,000
	L&L - Events: Database Trainings	1,80	,447	5	5,000
	L&L - Events: Elearnings	,00	,000	5	5,000
	L&L - Events: HR Training Offers	1,60	1,140	5	5,000
	L&L - Events: External Training Offers	,40	,894	5	5,000
4	L&L - Events: Congress/Conference	3,43	,646	14	14,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,79	,699	14	14,000
	L&L - Events: Database Trainings	1,71	,611	14	14,000
	L&L - Events: Elearnings	1,36	,842	14	14,000
	L&L - Events: HR Training Offers	2,86	,535	14	14,000
	L&L - Events: External Training Offers	1,79	1,051	14	14,000

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise) Ungewichtet	Gewichtet
5	L&L - Events: Congress/Conference	3,64	,809	11	11,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,64	,505	11	11,000
	L&L - Events: Database Trainings	1,55	,522	11	11,000
	L&L - Events: Elearnings	,82	,751	11	11,000
	L&L - Events: HR Training Offers	,73	,467	11	11,000
	L&L - Events: External Training Offers	2,27	,786	11	11,000
6	L&L - Events: Congress/Conference	2,90	,316	10	10,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	2,10	,568	10	10,000
	L&L - Events: Database Trainings	1,60	,516	10	10,000
	L&L - Events: Elearnings	1,60	,699	10	10,000
	L&L - Events: HR Training Offers	1,70	,823	10	10,000
	L&L - Events: External Training Offers	1,20	,632	10	10,000
Gesamt	L&L - Events: Congress/Conference	3,07	1,148	60	60,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	1,28	,976	60	60,000
	L&L - Events: Database Trainings	1,67	,542	60	60,000
	L&L - Events: Elearnings	1,17	,806	60	60,000
	L&L - Events: HR Training Offers	1,80	1,022	60	60,000
	L&L - Events: External Training Offers	1,97	1,073	60	60,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
L&L - Events: Congress/Conference	,291	26,362	5	54	,000
L&L - Events: Internal Scientific Fairs and Scientific Events	,437	13,922	5	54	,000
L&L - Events: Database Trainings	,956	,493	5	54	,780
L&L - Events: Elearnings	,702	4,580	5	54	,001
L&L - Events: HR Training Offers	,450	13,185	5	54	,000
L&L - Events: External Training Offers	,535	9,390	5	54	,000

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings	L&L - Events: Elearnings
Kovarianz	L&L - Events: Congress/Conference	,418	,046	,085	-,027
	L&L - Events: Internal Scientific Fairs and Scientific Events	,046	,455	,035	-,026
	L&L - Events: Database Trainings	,085	,035	,307	,005
	L&L - Events: Elearnings	-,027	-,026	,005	,498
	L&L - Events: HR Training Offers	-,052	,064	-,122	-,016
	L&L - Events: External Training Offers	-,025	-,073	-,052	-,048
Korrelation	L&L - Events: Congress/Conference	1,000	,106	,238	-,058
	L&L - Events: Internal Scientific Fairs and Scientific Events	,106	1,000	,093	-,055
	L&L - Events: Database Trainings	,238	,093	1,000	,012
	L&L - Events: Elearnings	-,058	-,055	,012	1,000
	L&L - Events: HR Training Offers	-,112	,132	-,307	-,032
	L&L - Events: External Training Offers	-,046	-,132	-,114	-,083

Gemeinsam Matrizen innerhalb der Gruppen[a]

		L&L - Events: HR Training Offers	L&L - Events: External Training Offers
Kovarianz	L&L - Events: Congress/Conference	-,052	-,025
	L&L - Events: Internal Scientific Fairs and Scientific Events	,064	-,073
	L&L - Events: Database Trainings	-,122	-,052
	L&L - Events: Elearnings	-,016	-,048
	L&L - Events: HR Training Offers	,514	,107
	L&L - Events: External Training Offers	,107	,673
Korrelation	L&L - Events: Congress/Conference	-,112	-,046
	L&L - Events: Internal Scientific Fairs and Scientific Events	,132	-,132
	L&L - Events: Database Trainings	-,307	-,114
	L&L - Events: Elearnings	-,032	-,083
	L&L - Events: HR Training Offers	1,000	,182
	L&L - Events: External Training Offers	,182	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 54.

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
1	L&L - Events: Congress/Conference	,286	,357	-,071
	L&L - Events: Internal Scientific Fairs and Scientific Events	,357	,696	-,018
	L&L - Events: Database Trainings	-,071	-,018	,125
	L&L - Events: Elearnings	,286	,500	,071
	L&L - Events: HR Training Offers	,071	,018	,018
	L&L - Events: External Training Offers	,000	,000	,000
2	L&L - Events: Congress/Conference	,629	,152	,311
	L&L - Events: Internal Scientific Fairs and Scientific Events	,152	,606	,333
	L&L - Events: Database Trainings	,311	,333	,447
	L&L - Events: Elearnings	,076	-,061	,076
	L&L - Events: HR Training Offers	-,106	-,061	-,197
	L&L - Events: External Training Offers	-,136	-,364	-,318
3	L&L - Events: Congress/Conference	,200	,100	-,200
	L&L - Events: Internal Scientific Fairs and Scientific Events	,100	,300	-,100
	L&L - Events: Database Trainings	-,200	-,100	,200
	L&L - Events: Elearnings	,000	,000	,000
	L&L - Events: HR Training Offers	,100	,300	-,100
	L&L - Events: External Training Offers	-,100	-,300	,100
4	L&L - Events: Congress/Conference	,418	-,209	-,022
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,209	,489	-,066
	L&L - Events: Database Trainings	-,022	-,066	,374
	L&L - Events: Elearnings	-,088	-,071	-,121
	L&L - Events: HR Training Offers	-,011	,121	-,198
	L&L - Events: External Training Offers	,022	,104	,165

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Congress/ Conference	L&L - Events: Internal Scientific Fairs and Scientific Events	L&L - Events: Database Trainings
5	L&L - Events: Congress/Conference	,655	,055	,218
	L&L - Events: Internal Scientific Fairs and Scientific Events	,055	,255	-,082
	L&L - Events: Database Trainings	,218	-,082	,273
	L&L - Events: Elearnings	-,173	-,273	,109
	L&L - Events: HR Training Offers	-,209	,091	-,136
	L&L - Events: External Training Offers	,109	,109	,036
6	L&L - Events: Congress/Conference	,100	,011	,067
	L&L - Events: Internal Scientific Fairs and Scientific Events	,011	,322	,044
	L&L - Events: Database Trainings	,067	,044	,267
	L&L - Events: Elearnings	-,156	-,067	-,067
	L&L - Events: HR Training Offers	-,033	,033	-,022
	L&L - Events: External Training Offers	-,089	-,133	-,244
Gesamt	L&L - Events: Congress/Conference	1,318	,320	-,011
	L&L - Events: Internal Scientific Fairs and Scientific Events	,320	,952	-,006
	L&L - Events: Database Trainings	-,011	-,006	,294
	L&L - Events: Elearnings	,056	,105	,006
	L&L - Events: HR Training Offers	,183	,176	-,102
	L&L - Events: External Training Offers	,155	-,041	-,045

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
1	L&L - Events: Congress/Conference	,286	,071	,000
	L&L - Events: Internal Scientific Fairs and Scientific Events	,500	,018	,000
	L&L - Events: Database Trainings	,071	,018	,000
	L&L - Events: Elearnings	,571	,071	,000
	L&L - Events: HR Training Offers	,071	,696	,143
	L&L - Events: External Training Offers	,000	,143	,571
2	L&L - Events: Congress/Conference	,076	-,106	-,136
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,061	-,061	-,364
	L&L - Events: Database Trainings	,076	-,197	-,318
	L&L - Events: Elearnings	,333	-,121	-,091
	L&L - Events: HR Training Offers	-,121	,515	,182
	L&L - Events: External Training Offers	-,091	,182	,455
3	L&L - Events: Congress/Conference	,000	,100	-,100
	L&L - Events: Internal Scientific Fairs and Scientific Events	,000	,300	-,300
	L&L - Events: Database Trainings	,000	-,100	,100
	L&L - Events: Elearnings	,000	,000	,000
	L&L - Events: HR Training Offers	,000	1,300	,200
	L&L - Events: External Training Offers	,000	,200	,800
4	L&L - Events: Congress/Conference	-,088	-,011	,022
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,071	,121	,104
	L&L - Events: Database Trainings	-,121	-,198	,165
	L&L - Events: Elearnings	,709	-,099	-,071
	L&L - Events: HR Training Offers	-,099	,286	,121
	L&L - Events: External Training Offers	-,071	,121	1,104

Kovarianz-Matrizen[a]

Cluster-Nr. des Falls		L&L - Events: Elearnings	L&L - Events: HR Training Offers	L&L - Events: External Training Offers
5	L&L - Events: Congress/Conference	-,173	-,209	,109
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,273	,091	,109
	L&L - Events: Database Trainings	,109	-,136	,036
	L&L - Events: Elearnings	,564	-,055	-,245
	L&L - Events: HR Training Offers	-,055	,218	-,118
	L&L - Events: External Training Offers	-,245	-,118	,618
6	L&L - Events: Congress/Conference	-,156	-,033	-,089
	L&L - Events: Internal Scientific Fairs and Scientific Events	-,067	,033	-,133
	L&L - Events: Database Trainings	-,067	-,022	-,244
	L&L - Events: Elearnings	,489	,200	,200
	L&L - Events: HR Training Offers	,200	,678	,178
	L&L - Events: External Training Offers	,200	,178	,400
Gesamt	L&L - Events: Congress/Conference	,056	,183	,155
	L&L - Events: Internal Scientific Fairs and Scientific Events	,105	,176	-,041
	L&L - Events: Database Trainings	,006	-,102	-,045
	L&L - Events: Elearnings	,650	,085	,073
	L&L - Events: HR Training Offers	,085	1,044	-,024
	L&L - Events: External Training Offers	,073	-,024	1,151

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 59.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	-8,667
2	6	-6,886
3	.[a]	.[b]
4	6	-5,777
5	6	-8,489
6	6	-9,381
Gemeinsam innerhalb der Gruppen	6	-4,882

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		159,823
F	Näherungswert	1,353
	df1	84
	df2	3650,617
	Signifikanz	,019

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 -4,420.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	3,262[a]	46,1	46,1	,875
2	1,791[a]	25,3	71,4	,801
3	1,087[a]	15,4	86,8	,722
4	,750[a]	10,6	97,4	,655
5	,182[a]	2,6	100,0	,392

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	,019	208,762	30	,000
2 bis 5	,083	131,928	20	,000
3 bis 5	,232	77,527	12	,000
4 bis 5	,483	38,532	6	,000
5	,846	8,860	2	,012

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion				
	1	2	3	4	5
L&L - Events: Congress/Conference	,906	,082	-,445	-,160	-,088
L&L - Events: Internal Scientific Fairs and Scientific Events	,296	-,460	,805	-,284	,219
L&L - Events: Database Trainings	-,245	,268	,137	,400	,214
L&L - Events: Elearnings	,232	-,108	,310	,460	-,801
L&L - Events: HR Training Offers	,216	,922	,247	,389	,245
L&L - Events: External Training Offers	,190	-,639	-,086	,681	,384

Struktur-Matrix

	Funktion				
	1	2	3	4	5
L&L - Events: Congress/Conference	,833*	,030	-,368	-,196	-,012
L&L - Events: HR Training Offers	,256	,656*	,335	,356	,314
L&L - Events: Internal Scientific Fairs and Scientific Events	,360	-,214	,798*	-,328	,255
L&L - Events: External Training Offers	,157	-,436	-,168	,713*	,445
L&L - Events: Database Trainings	-,087	,034	,043	,145*	,085
L&L - Events: Elearnings	,138	-,060	,292	,421	-,845*

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 - Events: Congress/Conference	1,401	,126	-,688	-,247	-,136
L&L - Events: Internal Scientific Fairs and Scientific Events	,439	-,682	1,194	-,421	,325
L&L - Events: Database Trainings	-,443	,484	,248	,722	,386
L&L - Events: Elearnings	,329	-,153	,439	,651	-1,135
L&L - Events: HR Training Offers	,301	1,286	,345	,542	,342
L&L - Events: External Training Offers	,232	-,779	-,105	,830	,468
(Konstant)	-5,506	-,923	-,763	-3,276	-,855

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion				
	1	2	3	4	5
1	-2,322	-1,543	,446	1,418	,035
2	2,157	-,572	,605	-,111	,546
3	-3,782	1,437	,084	-1,325	,606
4	,607	1,879	-,364	,701	-,132
5	,201	-1,110	-1,749	-,510	-,163
6	,089	-,208	1,310	-,759	-,622

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		60
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		60

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,167	8	8,000
2	,167	12	12,000
3	,167	5	5,000
4	,167	14	14,000
5	,167	11	11,000
6	,167	10	10,000
Gesamt	1,000	60	60,000

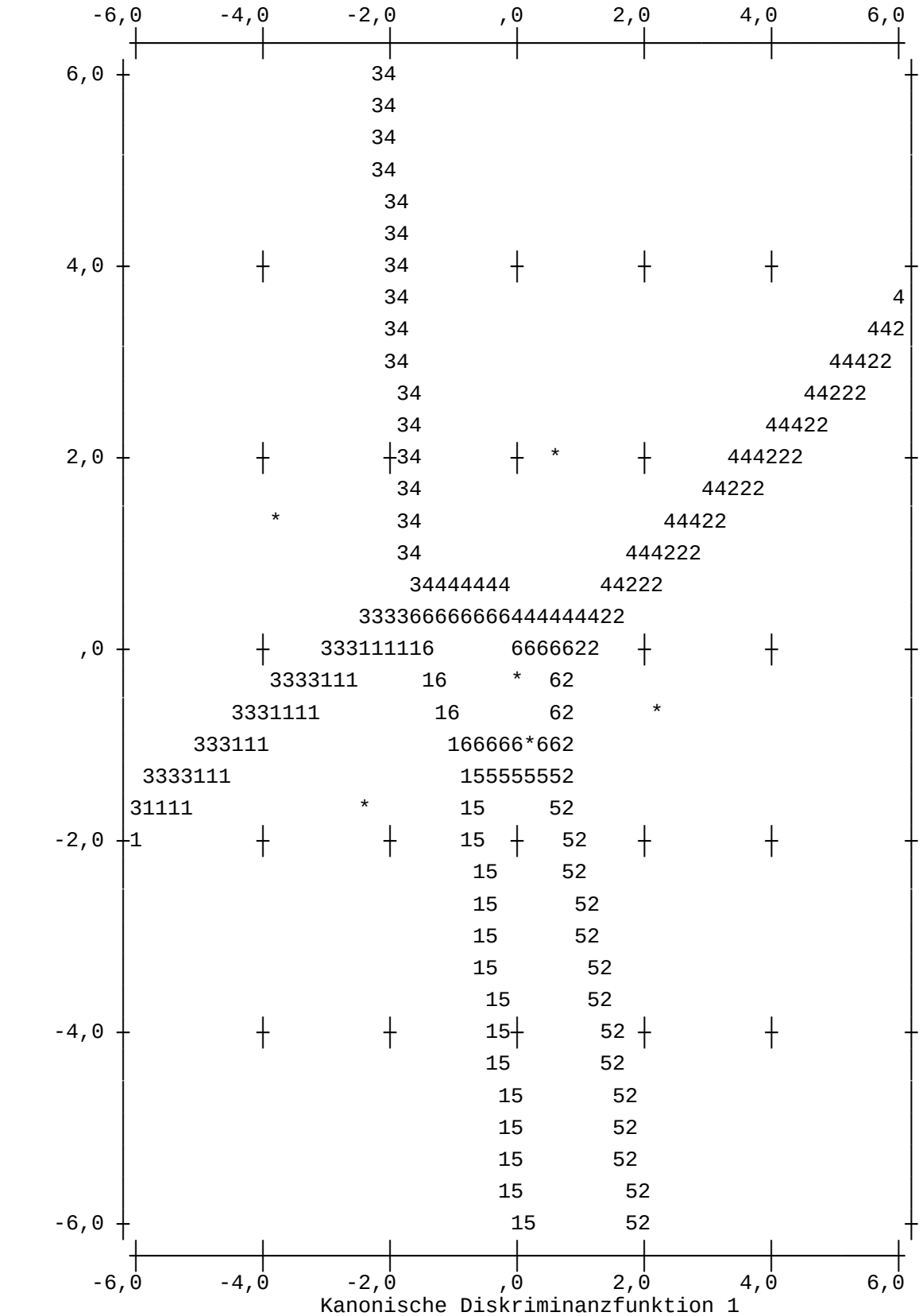
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls					
	1	2	3	4	5	6
L&L - Events: Congress/Conference	2,854	9,452	2,033	8,147	8,456	6,435
L&L - Events: Internal Scientific Fairs and Scientific Events	1,709	4,013	-,058	-,059	,646	3,591
L&L - Events: Database Trainings	7,115	4,736	7,355	6,695	4,196	5,083
L&L - Events: Elearnings	3,770	3,588	,240	3,575	2,537	4,065
L&L - Events: HR Training Offers	3,010	5,009	4,985	7,568	2,456	4,346
L&L - Events: External Training Offers	5,083	4,317	,450	2,507	3,867	2,395
(Konstant)	-23,495	-42,435	-13,691	-36,949	-26,941	-27,343

Lineare Diskriminanzfunktionen nach Fisher

Territorien

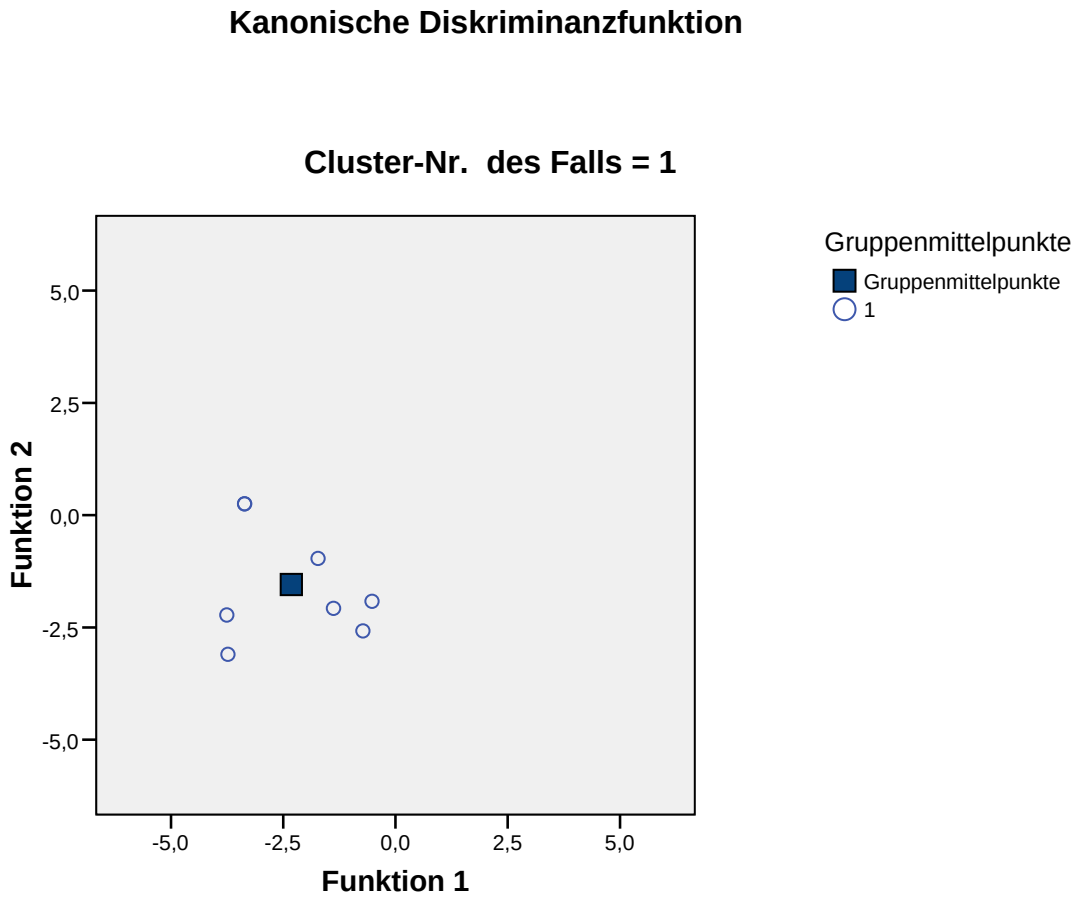
(Annahme: alle Funktionen außer der ersten zwei sind gleich null.)



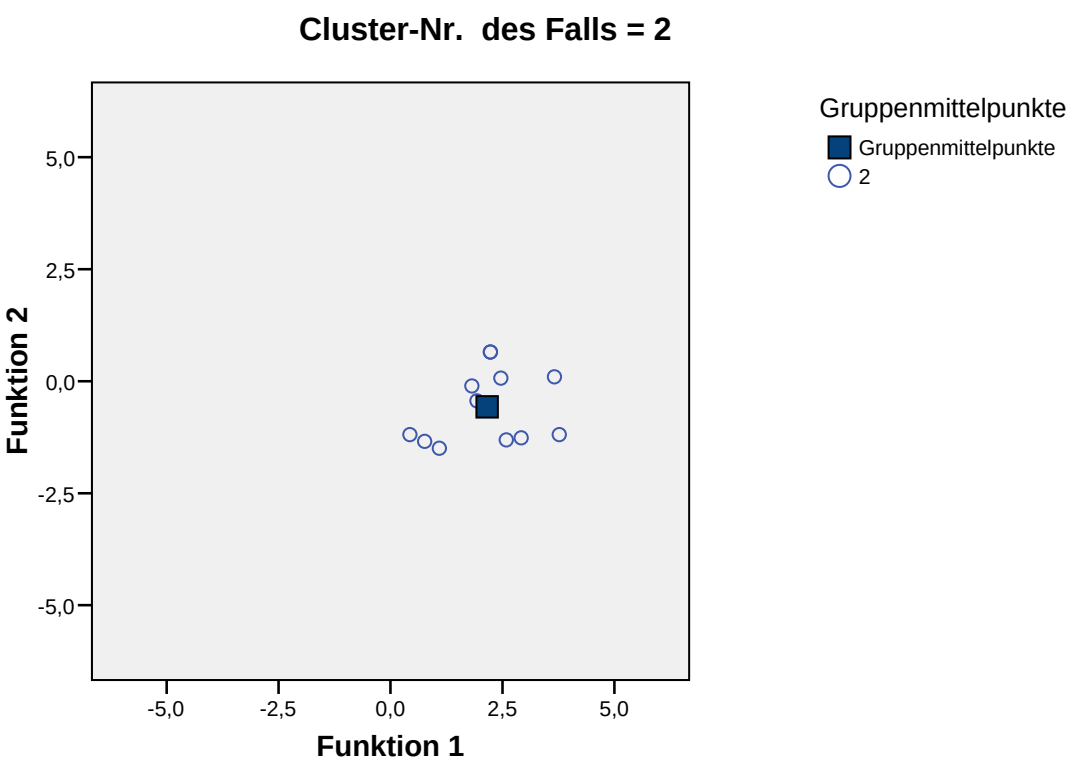
Symbole für Territorien

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

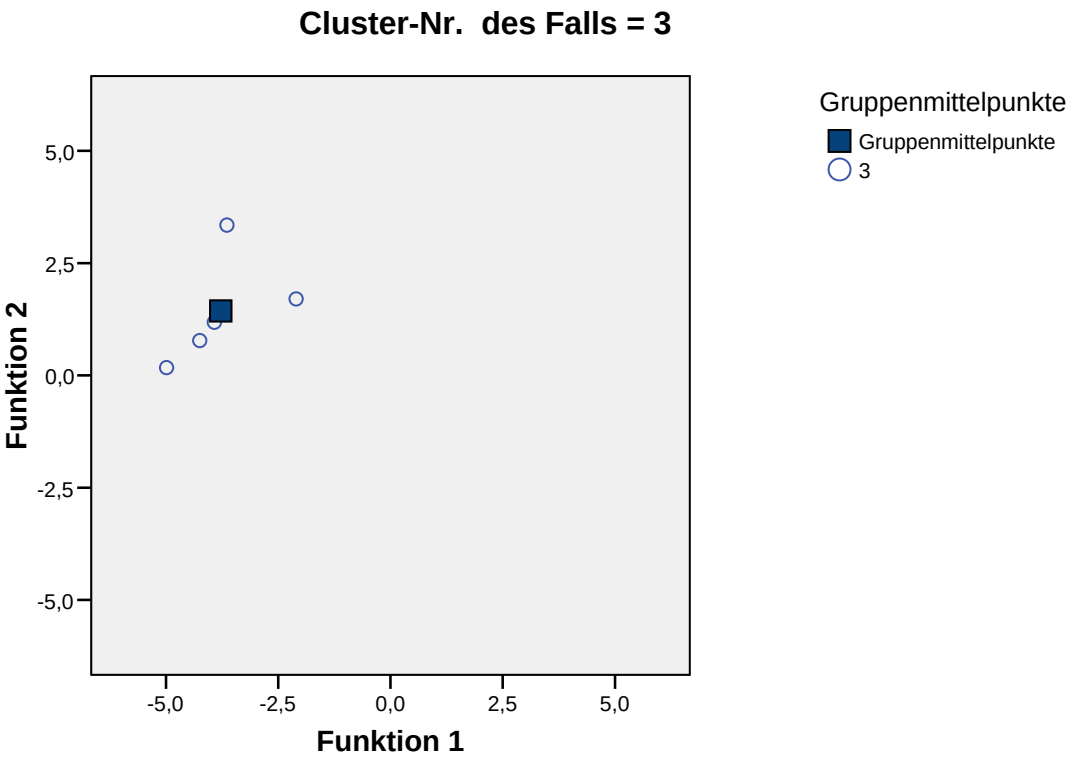
Graphische Darstellung getrennter Gruppen



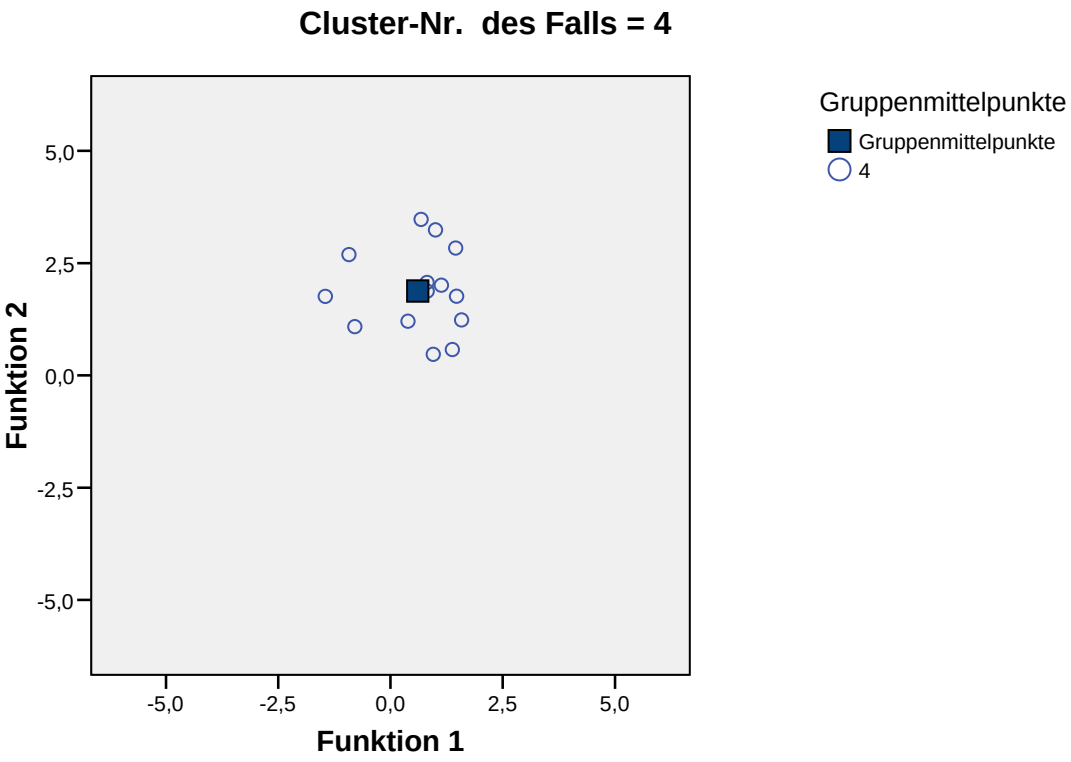
Kanonische Diskriminanzfunktion



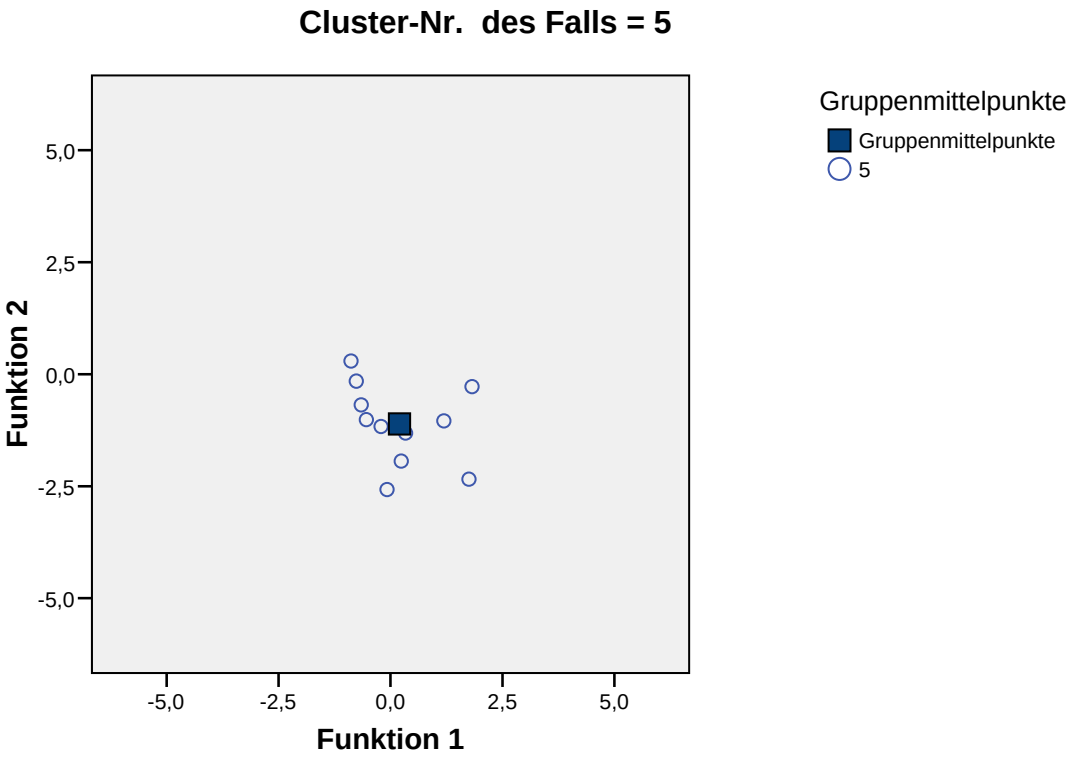
Kanonische Diskriminanzfunktion



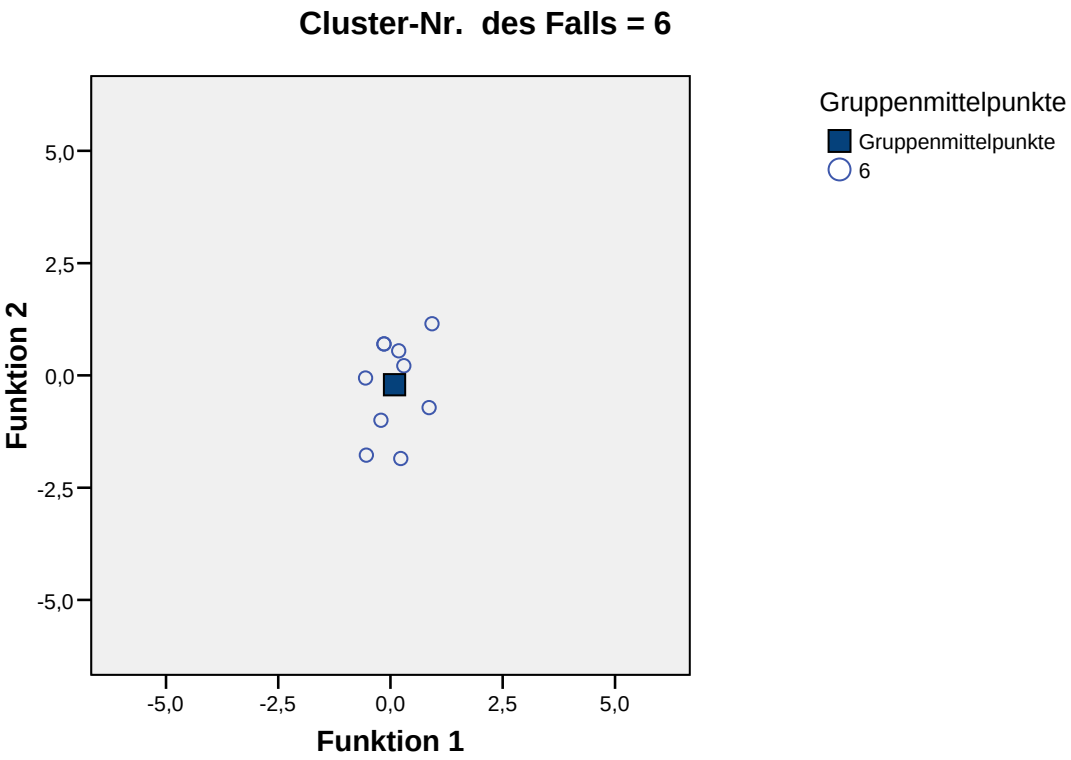
Kanonische Diskriminanzfunktion



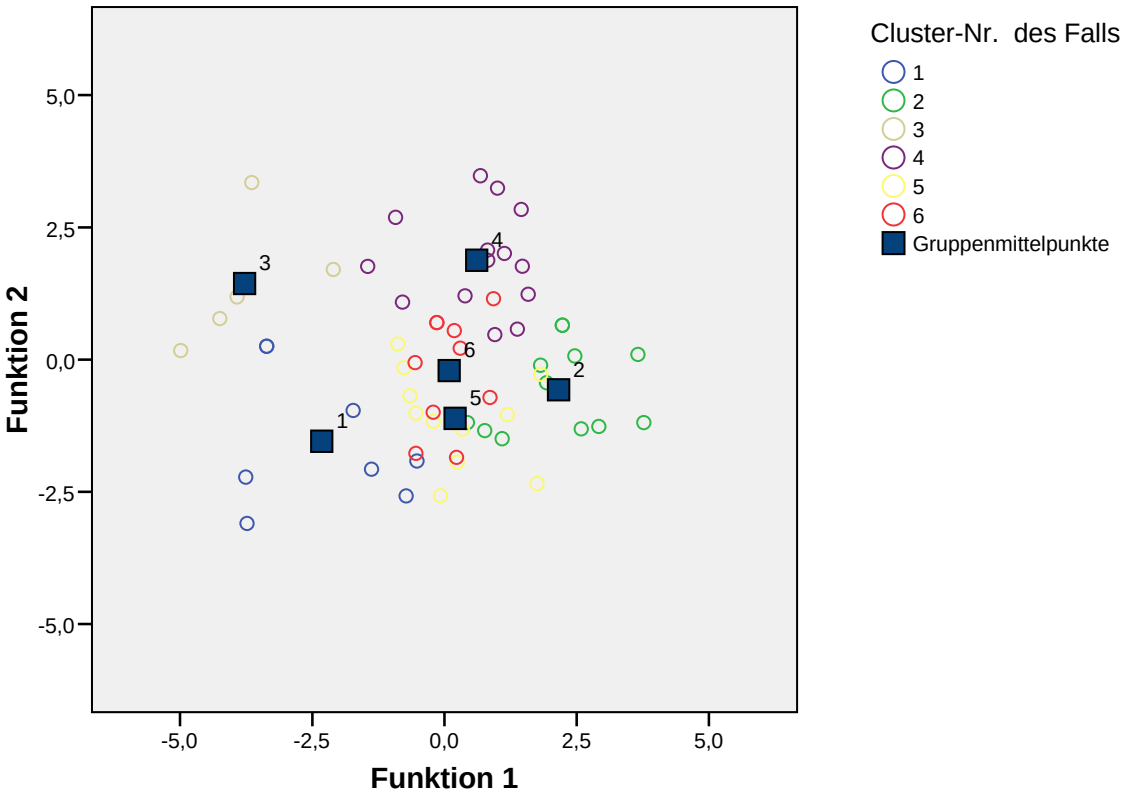
Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse[b,c]

			Vorhergesagte Gruppenzugehörigkeit			
		Cluster-Nr. des Falls	1	2	3	4
Original	Anzahl	1	8	0	0	0
		2	0	12	0	0
		3	0	0	5	0
		4	0	0	0	14
		5	0	0	0	0
		6	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	100,0	,0	,0
		3	,0	,0	100,0	,0
		4	,0	,0	,0	100,0
		5	,0	,0	,0	,0
		6	,0	,0	,0	,0
Kreuzvalidiert[a]	Anzahl	1	8	0	0	0
		2	0	10	0	0
		3	0	0	5	0
		4	0	0	0	14
		5	0	0	0	0
		6	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	83,3	,0	,0
		3	,0	,0	100,0	,0
		4	,0	,0	,0	100,0
		5	,0	,0	,0	,0
		6	,0	,0	,0	,0

Klassifizierungsergebnisse[b,c]

		Cluster-Nr. des Falls	Vorhergesagte 5	Vorhergesagte 6	Gesamt
Original	Anzahl	1	0	0	8
		2	0	0	12
		3	0	0	5
		4	0	0	14
		5	11	0	11
		6	0	10	10
	%	1	,0	,0	100,0
		2	,0	,0	100,0
		3	,0	,0	100,0
		4	,0	,0	100,0
		5	100,0	,0	100,0
		6	,0	100,0	100,0
Kreuzvalidiert[a]	Anzahl	1	0	0	8
		2	1	1	12
		3	0	0	5
		4	0	0	14
		5	11	0	11
		6	1	9	10
	%	1	,0	,0	100,0
		2	8,3	8,3	100,0
		3	,0	,0	100,0
		4	,0	,0	100,0
		5	100,0	,0	100,0
		6	10,0	90,0	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. 100,0% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 95,0% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.