

## Cluster

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work  
report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

### Nherungsmatrix

Fall	Quadriertes euklidisches Distanzma						
	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	17,102	20,209	22,170	49,364	40,285	28,611
2:Case 2	17,102	,000	25,817	31,331	50,193	45,413	26,507
3:Case 3	20,209	25,817	,000	16,127	35,219	30,968	23,300
4:Case 4	22,170	31,331	16,127	,000	19,398	9,912	16,672
5:Case 5	49,364	50,193	35,219	19,398	,000	10,794	35,817
6:Case 6	40,285	45,413	30,968	9,912	10,794	,000	28,982
7:Case 7	28,611	26,507	23,300	16,672	35,817	28,982	,000
8:Case 8	30,782	30,592	27,832	23,099	59,969	46,118	10,394
9:Case 9	22,039	36,127	36,263	47,413	85,286	79,231	37,390
10:Case 10	58,646	55,676	40,338	16,958	6,519	6,651	28,189
11:Case 11	45,101	42,658	36,426	18,929	10,855	7,553	31,646
12:Case 12	46,649	47,923	65,591	91,971	125,444	121,556	67,716
13:Case 13	21,646	37,351	33,012	29,310	60,033	51,386	20,352
14:Case 14	34,424	32,270	37,413	50,466	70,536	74,929	23,634
15:Case 15	32,474	46,130	29,444	10,546	21,382	10,634	22,613
16:Case 16	26,426	41,137	38,472	39,285	71,720	70,406	23,655
17:Case 17	23,505	33,877	16,945	6,261	31,288	14,935	23,757
18:Case 18	11,655	33,563	20,396	15,183	44,703	35,436	17,581
19:Case 19	17,156	15,324	26,603	24,817	49,377	47,482	19,625
20:Case 20	26,195	42,459	14,825	19,178	31,885	23,442	38,554
21:Case 21	20,064	38,960	25,741	13,361	38,417	29,255	16,163
22:Case 22	36,547	34,324	30,376	19,623	23,266	26,601	16,007
23:Case 23	32,350	25,823	37,219	26,001	30,677	33,881	20,638
24:Case 24	33,407	43,403	51,225	28,639	42,018	27,269	31,689
25:Case 25	11,479	32,979	13,763	17,175	45,477	33,987	21,232
26:Case 26	32,810	49,639	64,669	59,989	96,863	92,772	57,780
27:Case 27	23,724	24,379	32,630	31,253	42,460	46,266	20,886
28:Case 28	31,433	26,124	30,052	38,407	37,478	46,420	29,334
29:Case 29	31,704	28,655	40,198	39,330	49,657	49,337	25,960
30:Case 30	17,882	40,099	17,347	7,279	24,784	14,924	27,567
31:Case 31	25,592	21,111	37,157	25,042	28,625	34,217	21,920
32:Case 32	33,886	40,640	22,423	10,827	18,275	11,244	18,665
33:Case 33	22,245	31,829	35,510	20,033	44,239	25,724	28,603
34:Case 34	31,234	42,387	44,654	34,806	57,942	38,592	35,036
35:Case 35	16,071	24,247	14,486	16,179	33,050	34,617	17,727
36:Case 36	22,823	30,776	33,265	26,077	40,907	41,929	23,268
37:Case 37	17,415	23,799	22,463	23,086	53,471	38,180	14,536
38:Case 38	19,333	12,850	19,998	25,524	31,298	36,258	18,351
39:Case 39	23,172	34,627	33,913	12,551	44,310	27,014	16,152
40:Case 40	18,156	31,831	27,548	14,391	25,164	18,410	26,359
41:Case 41	16,933	29,539	36,192	33,115	66,869	60,044	24,507
42:Case 42	26,536	35,221	24,950	14,421	25,934	25,374	29,328
43:Case 43	8,556	23,980	34,332	40,103	68,616	53,577	44,527
44:Case 44	19,198	13,474	24,438	19,989	31,410	28,415	10,645
45:Case 45	15,769	29,394	47,839	30,040	47,374	44,115	32,759
46:Case 46	11,445	25,369	17,624	16,954	48,606	30,769	22,614
47:Case 47	22,411	29,130	32,889	33,747	42,046	42,660	23,022
48:Case 48	12,863	32,145	15,978	21,496	57,667	41,880	25,199
49:Case 49	27,541	18,977	29,314	24,259	35,705	33,246	14,076
50:Case 50	42,001	47,750	31,296	11,658	11,425	1,746	27,236
51:Case 51	36,344	29,929	56,239	53,345	71,186	78,921	47,151
52:Case 52	42,790	47,113	49,690	52,972	68,672	71,487	51,863
53:Case 53	19,089	30,594	31,730	27,474	54,689	44,636	30,858

Dies ist eine Unhnlichkeitsmatrix

### Nherungsmatrix

Fall	Quadrirtes euklidisches Distanzma					
	8:Case 8	9:Case 9	10:Case 10	11:Case 11	12:Case 12	13:Case 13
1:Case 1	30,782	22,039	58,646	45,101	46,649	21,646
2:Case 2	30,592	36,127	55,676	42,658	47,923	37,351
3:Case 3	27,832	36,263	40,338	36,426	65,591	33,012
4:Case 4	23,099	47,413	16,958	18,929	91,971	29,310
5:Case 5	59,969	85,286	6,519	10,855	125,444	60,033
6:Case 6	46,118	79,231	6,651	7,553	121,556	51,386
7:Case 7	10,394	37,390	28,189	31,646	67,716	20,352
8:Case 8	,000	33,019	51,182	49,197	56,213	14,824
9:Case 9	33,019	,000	92,365	91,360	21,646	26,908
10:Case 10	51,182	92,365	,000	8,899	134,690	58,038
11:Case 11	49,197	91,360	8,899	,000	120,405	52,006
12:Case 12	56,213	21,646	134,690	120,405	,000	40,736
13:Case 13	14,824	26,908	58,038	52,006	40,736	,000
14:Case 14	21,249	38,099	77,007	66,313	43,943	20,449
15:Case 15	35,157	69,927	16,344	14,787	111,926	33,453
16:Case 16	23,010	8,469	75,306	79,138	33,829	14,108
17:Case 17	25,894	47,152	26,345	26,674	89,251	30,325
18:Case 18	14,933	21,311	46,451	41,468	49,105	7,236
19:Case 19	15,588	26,961	52,935	41,756	37,074	12,619
20:Case 20	50,990	54,248	35,347	31,665	94,992	50,779
21:Case 21	24,699	30,756	37,341	38,617	65,681	14,997
22:Case 22	34,042	44,523	26,196	33,630	84,415	42,325
23:Case 23	39,199	46,986	37,346	41,034	75,810	43,908
24:Case 24	45,043	62,267	34,130	29,840	78,890	31,388
25:Case 25	26,635	20,791	47,379	46,762	57,025	19,450
26:Case 26	53,664	22,916	108,441	98,860	33,988	35,651
27:Case 27	39,566	26,976	52,107	55,795	58,984	38,336
28:Case 28	46,071	34,468	48,392	45,059	49,434	44,777
29:Case 29	41,020	31,874	53,743	61,940	50,408	38,059
30:Case 30	33,969	41,158	25,940	25,751	79,734	26,614
31:Case 31	41,121	37,934	34,258	37,503	64,160	37,139
32:Case 32	29,565	57,461	12,927	13,407	87,522	25,250
33:Case 33	31,453	45,115	37,344	26,012	63,148	22,851
34:Case 34	48,771	61,477	53,182	51,242	82,444	40,268
35:Case 35	24,855	18,546	39,517	43,152	54,880	25,998
36:Case 36	33,158	19,263	43,406	51,037	53,047	25,532
37:Case 37	16,810	17,329	51,966	50,335	40,557	20,928
38:Case 38	27,277	38,974	37,841	25,845	47,971	22,378
39:Case 39	18,680	37,245	37,593	38,221	72,271	22,843
40:Case 40	34,993	45,302	32,901	23,156	77,869	30,492
41:Case 41	21,955	10,206	68,972	66,897	25,285	9,889
42:Case 42	40,249	53,893	30,489	30,179	99,568	42,723
43:Case 43	45,356	27,641	75,907	57,744	40,462	29,275
44:Case 44	22,054	25,319	31,880	33,430	45,364	23,802
45:Case 45	44,562	37,574	54,688	46,959	58,935	29,582
46:Case 46	27,156	24,365	48,031	48,230	57,416	26,548
47:Case 47	29,978	24,809	48,164	44,844	42,146	23,977
48:Case 48	24,366	27,241	59,299	50,066	55,251	16,769
49:Case 49	19,821	33,034	34,335	31,642	42,257	22,047
50:Case 50	45,487	82,207	6,021	6,922	124,532	52,017
51:Case 51	38,936	43,343	83,326	66,413	49,656	28,854
52:Case 52	56,902	34,492	84,621	87,662	58,816	55,750
53:Case 53	30,093	23,239	61,403	59,322	46,173	25,441

Dies ist eine Unhnlichkeitsmatrix

### Nahrungsmatrix

Fall	Quadrirtes euklidisches Distanzma					
	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
1:Case 1	34,424	32,474	26,426	23,505	11,655	17,156
2:Case 2	32,270	46,130	41,137	33,877	33,563	15,324
3:Case 3	37,413	29,444	38,472	16,945	20,396	26,603
4:Case 4	50,466	10,546	39,285	6,261	15,183	24,817
5:Case 5	70,536	21,382	71,720	31,288	44,703	49,377
6:Case 6	74,929	10,634	70,406	14,935	35,436	47,482
7:Case 7	23,634	22,613	23,655	23,757	17,581	19,625
8:Case 8	21,249	35,157	23,010	25,894	14,933	15,588
9:Case 9	38,099	69,927	8,469	47,152	21,311	26,961
10:Case 10	77,007	16,344	75,306	26,345	46,451	52,935
11:Case 11	66,313	14,787	79,138	26,674	41,468	41,756
12:Case 12	43,943	111,926	33,829	89,251	49,105	37,074
13:Case 13	20,449	33,453	14,108	30,325	7,236	12,619
14:Case 14	,000	55,728	23,785	56,422	25,481	16,398
15:Case 15	55,728	,000	55,596	9,807	21,178	35,055
16:Case 16	23,785	55,596	,000	45,620	14,092	20,038
17:Case 17	56,422	9,807	45,620	,000	16,921	29,941
18:Case 18	25,481	21,178	14,092	16,921	,000	12,646
19:Case 19	16,398	35,055	20,038	29,941	12,646	,000
20:Case 20	70,906	19,832	61,812	11,776	28,995	44,825
21:Case 21	37,020	22,889	18,275	21,680	8,990	19,820
22:Case 22	44,184	39,045	33,509	37,511	32,408	35,426
23:Case 23	39,856	42,747	36,393	43,029	34,779	30,176
24:Case 24	69,005	34,324	53,414	37,215	33,300	38,580
25:Case 25	39,052	26,477	19,620	16,496	9,469	25,906
26:Case 26	48,581	78,903	23,939	66,473	29,937	25,448
27:Case 27	33,831	48,204	20,890	43,999	29,001	28,298
28:Case 28	39,792	59,805	34,108	54,804	38,050	30,897
29:Case 29	45,264	59,143	28,917	49,502	38,011	37,071
30:Case 30	58,484	12,209	39,720	6,598	12,189	30,554
31:Case 31	46,355	41,937	31,505	38,867	31,930	25,251
32:Case 32	46,548	7,261	44,661	11,727	18,685	27,287
33:Case 33	59,023	23,669	44,346	19,143	19,535	22,509
34:Case 34	56,625	41,403	54,306	39,909	36,053	45,353
35:Case 35	34,000	35,916	16,284	24,534	15,414	22,153
36:Case 36	46,783	41,710	17,717	30,354	22,468	28,264
37:Case 37	27,406	33,692	17,546	22,917	12,035	19,440
38:Case 38	20,566	29,542	33,761	30,516	21,637	8,680
39:Case 39	51,250	26,155	29,589	21,192	15,909	24,814
40:Case 40	43,289	21,698	39,024	23,358	17,548	25,090
41:Case 41	29,859	49,799	7,471	37,264	11,938	13,685
42:Case 42	64,460	30,205	49,414	25,661	32,547	37,296
43:Case 43	48,247	50,005	39,835	34,166	24,771	28,824
44:Case 44	30,479	32,736	22,313	26,174	20,567	17,128
45:Case 45	48,297	41,836	31,517	42,986	22,881	23,041
46:Case 46	45,089	28,765	27,165	15,884	15,007	28,359
47:Case 47	36,411	43,310	22,322	39,712	22,423	25,683
48:Case 48	36,550	33,153	24,115	23,108	11,375	23,115
49:Case 49	31,003	39,929	27,327	34,646	23,690	14,397
50:Case 50	76,054	11,439	73,238	17,000	37,502	50,169
51:Case 51	26,335	66,715	34,257	61,594	36,326	13,582
52:Case 52	56,511	86,682	36,815	66,288	47,578	48,409
53:Case 53	41,538	51,094	21,995	35,643	19,892	26,409

Dies ist eine Unahnlichkeitsmatrix

### Nherungsmatrix

Fall	Quadrirtes euklidisches Distanzma					
	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
1:Case 1	26,195	20,064	36,547	32,350	33,407	11,479
2:Case 2	42,459	38,960	34,324	25,823	43,403	32,979
3:Case 3	14,825	25,741	30,376	37,219	51,225	13,763
4:Case 4	19,178	13,361	19,623	26,001	28,639	17,175
5:Case 5	31,885	38,417	23,266	30,677	42,018	45,477
6:Case 6	23,442	29,255	26,601	33,881	27,269	33,987
7:Case 7	38,554	16,163	16,007	20,638	31,689	21,232
8:Case 8	50,990	24,699	34,042	39,199	45,043	26,635
9:Case 9	54,248	30,756	44,523	46,986	62,267	20,791
10:Case 10	35,347	37,341	26,196	37,346	34,130	47,379
11:Case 11	31,665	38,617	33,630	41,034	29,840	46,762
12:Case 12	94,992	65,681	84,415	75,810	78,890	57,025
13:Case 13	50,779	14,997	42,325	43,908	31,388	19,450
14:Case 14	70,906	37,020	44,184	39,856	69,005	39,052
15:Case 15	19,832	22,889	39,045	42,747	34,324	26,477
16:Case 16	61,812	18,275	33,509	36,393	53,414	19,620
17:Case 17	11,776	21,680	37,511	43,029	37,215	16,496
18:Case 18	28,995	8,990	32,408	34,779	33,300	9,469
19:Case 19	44,825	19,820	35,426	30,176	38,580	25,906
20:Case 20	,000	35,740	49,112	55,531	51,345	20,829
21:Case 21	35,740	,000	21,023	24,178	25,273	11,593
22:Case 22	49,112	21,023	,000	9,243	37,423	31,411
23:Case 23	55,531	24,178	9,243	,000	38,118	38,356
24:Case 24	51,345	25,273	37,423	38,118	,000	36,577
25:Case 25	20,829	11,593	31,411	38,356	36,577	,000
26:Case 26	78,581	32,482	62,629	47,279	65,940	46,557
27:Case 27	50,417	21,146	13,461	7,030	46,333	24,725
28:Case 28	53,120	32,533	13,541	19,651	41,568	34,087
29:Case 29	60,853	29,814	19,564	13,972	32,539	31,768
30:Case 30	10,661	15,848	32,438	38,904	26,644	13,435
31:Case 31	46,257	23,819	14,573	9,862	24,468	31,202
32:Case 32	22,896	17,402	28,505	37,570	27,685	23,340
33:Case 33	30,115	21,797	44,317	46,965	12,226	25,705
34:Case 34	54,503	25,758	41,131	33,039	24,912	31,970
35:Case 35	30,060	17,911	14,225	23,422	39,952	9,810
36:Case 36	40,024	22,497	21,381	31,215	31,546	18,344
37:Case 37	35,664	15,790	25,420	23,098	38,632	14,744
38:Case 38	33,270	25,603	28,479	26,164	35,030	29,051
39:Case 39	41,675	13,227	24,051	24,587	19,626	24,040
40:Case 40	32,944	13,657	18,715	19,489	30,193	23,832
41:Case 41	52,985	16,478	36,050	32,119	32,017	20,674
42:Case 42	31,165	27,509	23,359	34,305	35,387	27,611
43:Case 43	36,012	32,278	53,517	49,398	34,328	21,912
44:Case 44	37,104	18,715	12,283	11,508	22,541	20,709
45:Case 45	51,817	21,246	32,941	20,715	20,595	31,862
46:Case 46	25,672	16,482	30,084	30,370	32,878	6,807
47:Case 47	45,232	28,943	26,121	31,461	31,771	21,978
48:Case 48	32,147	14,903	39,590	42,705	38,035	6,608
49:Case 49	48,616	21,406	16,413	18,221	19,846	30,347
50:Case 50	22,655	32,436	28,173	37,509	25,969	36,198
51:Case 51	83,200	42,633	51,609	49,210	65,776	52,702
52:Case 52	76,872	38,826	29,973	23,460	66,821	45,183
53:Case 53	52,192	17,886	25,907	20,617	33,995	19,978

Dies ist eine Unhnlichkeitsmatrix

### Näherungsmatrix

Fall	Quadrirtes euklidisches Distanzmaß					
	26:Case 26	27:Case 27	28:Case 28	29:Case 29	30:Case 30	31:Case 31
1:Case 1	32,810	23,724	31,433	31,704	17,882	25,592
2:Case 2	49,639	24,379	26,124	28,655	40,099	21,111
3:Case 3	64,669	32,630	30,052	40,198	17,347	37,157
4:Case 4	59,989	31,253	38,407	39,330	7,279	25,042
5:Case 5	96,863	42,460	37,478	49,657	24,784	28,625
6:Case 6	92,772	46,266	46,420	49,337	14,924	34,217
7:Case 7	57,780	20,886	29,334	25,960	27,567	21,920
8:Case 8	53,664	39,566	46,071	41,020	33,969	41,121
9:Case 9	22,916	26,976	34,468	31,874	41,158	37,934
10:Case 10	108,441	52,107	48,392	53,743	25,940	34,258
11:Case 11	98,860	55,795	45,059	61,940	25,751	37,503
12:Case 12	33,988	58,984	49,434	50,408	79,734	64,160
13:Case 13	35,651	38,336	44,777	38,059	26,614	37,139
14:Case 14	48,581	33,831	39,792	45,264	58,484	46,355
15:Case 15	78,903	48,204	59,805	59,143	12,209	41,937
16:Case 16	23,939	20,890	34,108	28,917	39,720	31,505
17:Case 17	66,473	43,999	54,804	49,502	6,598	38,867
18:Case 18	29,937	29,001	38,050	38,011	12,189	31,930
19:Case 19	25,448	28,298	30,897	37,071	30,554	25,251
20:Case 20	78,581	50,417	53,120	60,853	10,661	46,257
21:Case 21	32,482	21,146	32,533	29,814	15,848	23,819
22:Case 22	62,629	13,461	13,541	19,564	32,438	14,573
23:Case 23	47,279	7,030	19,651	13,972	38,904	9,862
24:Case 24	65,940	46,333	41,568	32,539	26,644	24,468
25:Case 25	46,557	24,725	34,087	31,768	13,435	31,202
26:Case 26	,000	37,147	52,977	51,454	55,461	44,556
27:Case 27	37,147	,000	17,088	12,319	39,272	10,277
28:Case 28	52,977	17,088	,000	18,956	42,590	17,197
29:Case 29	51,454	12,319	18,956	,000	42,057	12,864
30:Case 30	55,461	39,272	42,590	42,057	,000	31,912
31:Case 31	44,556	10,277	17,197	12,864	31,912	,000
32:Case 32	69,623	43,253	40,485	47,102	11,489	35,361
33:Case 33	49,410	48,717	45,295	46,925	16,043	30,809
34:Case 34	65,032	38,271	47,171	30,796	36,289	38,553
35:Case 35	46,897	14,269	16,255	21,558	19,764	16,203
36:Case 36	47,207	21,419	23,717	18,337	23,583	14,895
37:Case 37	31,635	18,252	28,791	23,143	24,265	28,948
38:Case 38	45,222	26,780	20,323	32,854	28,019	21,208
39:Case 39	43,585	29,396	41,102	29,123	18,284	24,028
40:Case 40	43,531	24,400	28,037	35,398	16,874	26,189
41:Case 41	16,361	23,609	33,116	22,368	29,702	23,014
42:Case 42	76,462	35,944	35,202	37,916	20,035	26,119
43:Case 43	39,024	39,327	40,967	38,660	28,971	36,603
44:Case 44	42,123	11,440	13,118	8,472	24,237	7,699
45:Case 45	26,601	20,572	32,887	27,091	30,106	12,112
46:Case 46	46,999	23,669	34,097	23,884	15,425	30,278
47:Case 47	51,442	23,425	19,410	19,563	30,364	20,393
48:Case 48	46,114	31,452	41,157	40,479	21,360	37,913
49:Case 49	43,896	23,305	13,370	16,031	30,266	13,680
50:Case 50	100,212	50,039	48,136	50,559	15,874	35,118
51:Case 51	38,432	45,495	43,022	55,503	61,240	43,127
52:Case 52	41,493	19,934	31,116	20,940	57,342	30,508
53:Case 53	31,244	17,497	29,317	16,695	29,680	21,721

Dies ist eine Unähnlichkeitsmatrix

### Nherungsmatrix

Fall	Quadrirtes euklidisches Distanzma					
	32:Case 32	33:Case 33	34:Case 34	35:Case 35	36:Case 36	37:Case 37
1:Case 1	33,886	22,245	31,234	16,071	22,823	17,415
2:Case 2	40,640	31,829	42,387	24,247	30,776	23,799
3:Case 3	22,423	35,510	44,654	14,486	33,265	22,463
4:Case 4	10,827	20,033	34,806	16,179	26,077	23,086
5:Case 5	18,275	44,239	57,942	33,050	40,907	53,471
6:Case 6	11,244	25,724	38,592	34,617	41,929	38,180
7:Case 7	18,665	28,603	35,036	17,727	23,268	14,536
8:Case 8	29,565	31,453	48,771	24,855	33,158	16,810
9:Case 9	57,461	45,115	61,477	18,546	19,263	17,329
10:Case 10	12,927	37,344	53,182	39,517	43,406	51,966
11:Case 11	13,407	26,012	51,242	43,152	51,037	50,335
12:Case 12	87,522	63,148	82,444	54,880	53,047	40,557
13:Case 13	25,250	22,851	40,268	25,998	25,532	20,928
14:Case 14	46,548	59,023	56,625	34,000	46,783	27,406
15:Case 15	7,261	23,669	41,403	35,916	41,710	33,692
16:Case 16	44,661	44,346	54,306	16,284	17,717	17,546
17:Case 17	11,727	19,143	39,909	24,534	30,354	22,917
18:Case 18	18,685	19,535	36,053	15,414	22,468	12,035
19:Case 19	27,287	22,509	45,353	22,153	28,264	19,440
20:Case 20	22,896	30,115	54,503	30,060	40,024	35,664
21:Case 21	17,402	21,797	25,758	17,911	22,497	15,790
22:Case 22	28,505	44,317	41,131	14,225	21,381	25,420
23:Case 23	37,570	46,965	33,039	23,422	31,215	23,098
24:Case 24	27,685	12,226	24,912	39,952	31,546	38,632
25:Case 25	23,340	25,705	31,970	9,810	18,344	14,744
26:Case 26	69,623	49,410	65,032	46,897	47,207	31,635
27:Case 27	43,253	48,717	38,271	14,269	21,419	18,252
28:Case 28	40,485	45,295	47,171	16,255	23,717	28,791
29:Case 29	47,102	46,925	30,796	21,558	18,337	23,143
30:Case 30	11,489	16,043	36,289	19,764	23,583	24,265
31:Case 31	35,361	30,809	38,553	16,203	14,895	28,948
32:Case 32	,000	19,250	35,969	27,490	31,402	26,586
33:Case 33	19,250	,000	39,300	33,636	29,699	28,072
34:Case 34	35,969	39,300	,000	42,947	46,524	26,427
35:Case 35	27,490	33,636	42,947	,000	9,219	18,024
36:Case 36	31,402	29,699	46,524	9,219	,000	24,756
37:Case 37	26,586	28,072	26,427	18,024	24,756	,000
38:Case 38	20,895	24,692	43,854	23,110	27,625	25,239
39:Case 39	26,752	16,927	35,206	24,604	25,712	18,696
40:Case 40	20,116	24,813	33,299	24,146	32,481	21,068
41:Case 41	40,007	25,274	40,883	19,812	16,055	15,534
42:Case 42	31,213	32,831	56,361	20,621	24,520	44,736
43:Case 43	44,862	23,087	32,462	31,625	29,834	24,737
44:Case 44	22,678	23,258	27,361	11,832	10,773	11,132
45:Case 45	42,502	24,206	33,169	27,571	26,963	28,933
46:Case 46	25,950	26,835	18,915	14,849	21,647	9,080
47:Case 47	35,291	29,117	54,858	15,010	13,895	24,640
48:Case 48	30,783	24,753	38,676	17,959	32,255	19,962
49:Case 49	24,306	20,636	36,030	19,324	19,315	18,844
50:Case 50	13,484	25,860	43,208	36,333	42,035	42,622
51:Case 51	54,232	49,790	77,143	41,178	41,306	47,271
52:Case 52	72,694	70,181	59,491	31,919	40,084	34,614
53:Case 53	43,116	33,724	33,350	18,031	25,904	16,457

Dies ist eine Unhnlichkeitsmatrix

### Näherungsmatrix

Fall	Quadrirtes euklidisches Distanzmaß					
	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
1:Case 1	19,333	23,172	18,156	16,933	26,536	8,556
2:Case 2	12,850	34,627	31,831	29,539	35,221	23,980
3:Case 3	19,998	33,913	27,548	36,192	24,950	34,332
4:Case 4	25,524	12,551	14,391	33,115	14,421	40,103
5:Case 5	31,298	44,310	25,164	66,869	25,934	68,616
6:Case 6	36,258	27,014	18,410	60,044	25,374	53,577
7:Case 7	18,351	16,152	26,359	24,507	29,328	44,527
8:Case 8	27,277	18,680	34,993	21,955	40,249	45,356
9:Case 9	38,974	37,245	45,302	10,206	53,893	27,641
10:Case 10	37,841	37,593	32,901	68,972	30,489	75,907
11:Case 11	25,845	38,221	23,156	66,897	30,179	57,744
12:Case 12	47,971	72,271	77,869	25,285	99,568	40,462
13:Case 13	22,378	22,843	30,492	9,889	42,723	29,275
14:Case 14	20,566	51,250	43,289	29,859	64,460	48,247
15:Case 15	29,542	26,155	21,698	49,799	30,205	50,005
16:Case 16	33,761	29,589	39,024	7,471	49,414	39,835
17:Case 17	30,516	21,192	23,358	37,264	25,661	34,166
18:Case 18	21,637	15,909	17,548	11,938	32,547	24,771
19:Case 19	8,680	24,814	25,090	13,685	37,296	28,824
20:Case 20	33,270	41,675	32,944	52,985	31,165	36,012
21:Case 21	25,603	13,227	13,657	16,478	27,509	32,278
22:Case 22	28,479	24,051	18,715	36,050	23,359	53,517
23:Case 23	26,164	24,587	19,489	32,119	34,305	49,398
24:Case 24	35,030	19,626	30,193	32,017	35,387	34,328
25:Case 25	29,051	24,040	23,832	20,674	27,611	21,912
26:Case 26	45,222	43,585	43,531	16,361	76,462	39,024
27:Case 27	26,780	29,396	24,400	23,609	35,944	39,327
28:Case 28	20,323	41,102	28,037	33,116	35,202	40,967
29:Case 29	32,854	29,123	35,398	22,368	37,916	38,660
30:Case 30	28,019	18,284	16,874	29,702	20,035	28,971
31:Case 31	21,208	24,028	26,189	23,014	26,119	36,603
32:Case 32	20,895	26,752	20,116	40,007	31,213	44,862
33:Case 33	24,692	16,927	24,813	25,274	32,831	23,087
34:Case 34	43,854	35,206	33,299	40,883	56,361	32,462
35:Case 35	23,110	24,604	24,146	19,812	20,621	31,625
36:Case 36	27,625	25,712	32,481	16,055	24,520	29,834
37:Case 37	25,239	18,696	21,068	15,534	44,736	24,737
38:Case 38	,000	32,365	22,238	25,599	28,835	28,769
39:Case 39	32,365	,000	18,593	18,311	21,559	38,547
40:Case 40	22,238	18,593	,000	32,249	23,082	30,028
41:Case 41	25,599	18,311	32,249	,000	41,403	23,059
42:Case 42	28,835	21,559	23,082	41,403	,000	46,244
43:Case 43	28,769	38,547	30,028	23,059	46,244	,000
44:Case 44	13,677	17,854	20,452	15,983	27,160	26,235
45:Case 45	27,699	19,636	22,763	17,019	36,656	26,679
46:Case 46	31,740	19,373	22,936	22,232	30,955	20,739
47:Case 47	22,626	26,268	27,513	20,049	28,194	32,959
48:Case 48	29,992	22,544	25,622	21,183	31,205	24,615
49:Case 49	12,798	18,286	22,995	17,654	29,544	34,115
50:Case 50	35,773	26,830	22,533	61,440	21,842	55,613
51:Case 51	22,600	53,073	39,144	31,520	52,946	45,362
52:Case 52	52,650	45,464	35,925	33,668	54,004	49,197
53:Case 53	36,285	19,063	20,225	14,810	36,625	26,578

Dies ist eine Unähnlichkeitsmatrix



### Nherungsmatrix

Fall	Quadrirtes euklidisches Distanzma					
	44:Case 44	45:Case 45	46:Case 46	47:Case 47	48:Case 48	49:Case 49
1:Case 1	19,198	15,769	11,445	22,411	12,863	27,541
2:Case 2	13,474	29,394	25,369	29,130	32,145	18,977
3:Case 3	24,438	47,839	17,624	32,889	15,978	29,314
4:Case 4	19,989	30,040	16,954	33,747	21,496	24,259
5:Case 5	31,410	47,374	48,606	42,046	57,667	35,705
6:Case 6	28,415	44,115	30,769	42,660	41,880	33,246
7:Case 7	10,645	32,759	22,614	23,022	25,199	14,076
8:Case 8	22,054	44,562	27,156	29,978	24,366	19,821
9:Case 9	25,319	37,574	24,365	24,809	27,241	33,034
10:Case 10	31,880	54,688	48,031	48,164	59,299	34,335
11:Case 11	33,430	46,959	48,230	44,844	50,066	31,642
12:Case 12	45,364	58,935	57,416	42,146	55,251	42,257
13:Case 13	23,802	29,582	26,548	23,977	16,769	22,047
14:Case 14	30,479	48,297	45,089	36,411	36,550	31,003
15:Case 15	32,736	41,836	28,765	43,310	33,153	39,929
16:Case 16	22,313	31,517	27,165	22,322	24,115	27,327
17:Case 17	26,174	42,986	15,884	39,712	23,108	34,646
18:Case 18	20,567	22,881	15,007	22,423	11,375	23,690
19:Case 19	17,128	23,041	28,359	25,683	23,115	14,397
20:Case 20	37,104	51,817	25,672	45,232	32,147	48,616
21:Case 21	18,715	21,246	16,482	28,943	14,903	21,406
22:Case 22	12,283	32,941	30,084	26,121	39,590	16,413
23:Case 23	11,508	20,715	30,370	31,461	42,705	18,221
24:Case 24	22,541	20,595	32,878	31,771	38,035	19,846
25:Case 25	20,709	31,862	6,807	21,978	6,608	30,347
26:Case 26	42,123	26,601	46,999	51,442	46,114	43,896
27:Case 27	11,440	20,572	23,669	23,425	31,452	23,305
28:Case 28	13,118	32,887	34,097	19,410	41,157	13,370
29:Case 29	8,472	27,091	23,884	19,563	40,479	16,031
30:Case 30	24,237	30,106	15,425	30,364	21,360	30,266
31:Case 31	7,699	12,112	30,278	20,393	37,913	13,680
32:Case 32	22,678	42,502	25,950	35,291	30,783	24,306
33:Case 33	23,258	24,206	26,835	29,117	24,753	20,636
34:Case 34	27,361	33,169	18,915	54,858	38,676	36,030
35:Case 35	11,832	27,571	14,849	15,010	17,959	19,324
36:Case 36	10,773	26,963	21,647	13,895	32,255	19,315
37:Case 37	11,132	28,933	9,080	24,640	19,962	18,844
38:Case 38	13,677	27,699	31,740	22,626	29,992	12,798
39:Case 39	17,854	19,636	19,373	26,268	22,544	18,286
40:Case 40	20,452	22,763	22,936	27,513	25,622	22,995
41:Case 41	15,983	17,019	22,232	20,049	21,183	17,654
42:Case 42	27,160	36,656	30,955	28,194	31,205	29,544
43:Case 43	26,235	26,679	20,739	32,959	24,615	34,115
44:Case 44	,000	19,441	15,862	12,746	28,443	5,246
45:Case 45	19,441	,000	29,496	27,724	32,192	24,051
46:Case 46	15,862	29,496	,000	27,374	14,306	27,537
47:Case 47	12,746	27,724	27,374	,000	26,779	14,636
48:Case 48	28,443	32,192	14,306	26,779	,000	32,088
49:Case 49	5,246	24,051	27,537	14,636	32,088	,000
50:Case 50	29,812	46,133	35,036	41,330	43,771	33,382
51:Case 51	36,821	43,452	58,109	39,050	49,065	31,564
52:Case 52	30,534	41,750	43,391	38,981	48,238	35,561
53:Case 53	17,471	20,926	18,022	21,962	18,033	20,915

Dies ist eine Unhnlichkeitsmatrix

### Näherungsmatrix

Fall	Quadiertes euklidisches Distanzmaß			
	50:Case 50	51:Case 51	52:Case 52	53:Case 53
1:Case 1	42,001	36,344	42,790	19,089
2:Case 2	47,750	29,929	47,113	30,594
3:Case 3	31,296	56,239	49,690	31,730
4:Case 4	11,658	53,345	52,972	27,474
5:Case 5	11,425	71,186	68,672	54,689
6:Case 6	1,746	78,921	71,487	44,636
7:Case 7	27,236	47,151	51,863	30,858
8:Case 8	45,487	38,936	56,902	30,093
9:Case 9	82,207	43,343	34,492	23,239
10:Case 10	6,021	83,326	84,621	61,403
11:Case 11	6,922	66,413	87,662	59,322
12:Case 12	124,532	49,656	58,816	46,173
13:Case 13	52,017	28,854	55,750	25,441
14:Case 14	76,054	26,335	56,511	41,538
15:Case 15	11,439	66,715	86,682	51,094
16:Case 16	73,238	34,257	36,815	21,995
17:Case 17	17,000	61,594	66,288	35,643
18:Case 18	37,502	36,326	47,578	19,892
19:Case 19	50,169	13,582	48,409	26,409
20:Case 20	22,655	83,200	76,872	52,192
21:Case 21	32,436	42,633	38,826	17,886
22:Case 22	28,173	51,609	29,973	25,907
23:Case 23	37,509	49,210	23,460	20,617
24:Case 24	25,969	65,776	66,821	33,995
25:Case 25	36,198	52,702	45,183	19,978
26:Case 26	100,212	38,432	41,493	31,244
27:Case 27	50,039	45,495	19,934	17,497
28:Case 28	48,136	43,022	31,116	29,317
29:Case 29	50,559	55,503	20,940	16,695
30:Case 30	15,874	61,240	57,342	29,680
31:Case 31	35,118	43,127	30,508	21,721
32:Case 32	13,484	54,232	72,694	43,116
33:Case 33	25,860	49,790	70,181	33,724
34:Case 34	43,208	77,143	59,491	33,350
35:Case 35	36,333	41,178	31,919	18,031
36:Case 36	42,035	41,306	40,084	25,904
37:Case 37	42,622	47,271	34,614	16,457
38:Case 38	35,773	22,600	52,650	36,285
39:Case 39	26,830	53,073	45,464	19,063
40:Case 40	22,533	39,144	35,925	20,225
41:Case 41	61,440	31,520	33,668	14,810
42:Case 42	21,842	52,946	54,004	36,625
43:Case 43	55,613	45,362	49,197	26,578
44:Case 44	29,812	36,821	30,534	17,471
45:Case 45	46,133	43,452	41,750	20,926
46:Case 46	35,036	58,109	43,391	18,022
47:Case 47	41,330	39,050	38,981	21,962
48:Case 48	43,771	49,065	48,238	18,033
49:Case 49	33,382	31,564	35,561	20,915
50:Case 50	,000	83,490	76,695	49,525
51:Case 51	83,490	,000	57,565	44,329
52:Case 52	76,695	57,565	,000	12,192
53:Case 53	49,525	44,329	12,192	,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	6	50	1,746	0	0	3
2	44	49	5,246	0	0	14
3	6	10	6,021	1	0	5
4	4	17	6,261	0	0	6
5	5	6	6,519	0	3	9
6	4	30	6,598	4	0	24
7	25	48	6,608	0	0	8
8	25	46	6,807	7	0	20
9	5	11	6,922	5	0	28
10	23	27	7,030	0	0	22
11	13	18	7,236	0	0	19
12	15	32	7,261	0	0	24
13	16	41	7,471	0	0	15
14	31	44	7,699	0	2	16
15	9	16	8,469	0	13	27
16	29	31	8,472	0	14	26
17	1	43	8,556	0	0	33
18	19	38	8,680	0	0	39
19	13	21	8,990	11	0	23
20	25	37	9,080	8	0	23
21	35	36	9,219	0	0	25
22	22	23	9,243	0	10	26
23	13	25	9,469	19	20	25
24	4	15	9,807	6	12	28
25	13	35	9,810	23	21	27
26	22	29	9,862	22	16	30
27	9	13	9,889	15	25	32
28	4	5	9,912	24	9	31
29	7	8	10,394	0	0	30
30	7	22	10,645	29	26	32
31	4	20	10,661	28	0	35
32	7	9	10,773	30	27	33
33	1	7	11,445	17	32	34
34	1	45	12,112	33	0	35
35	1	4	12,189	34	31	38
36	52	53	12,192	0	0	47
37	24	33	12,226	0	0	48
38	1	39	12,551	35	0	39
39	1	19	12,619	38	18	40
40	1	47	12,746	39	0	41
41	1	2	12,850	40	0	42
42	1	28	13,118	41	0	43
43	1	51	13,582	42	0	44
44	1	40	13,657	43	0	45
45	1	3	13,763	44	0	46
46	1	42	14,421	45	0	47
47	1	52	14,810	46	36	48
48	1	24	16,043	47	37	49
49	1	26	16,361	48	0	50
50	1	14	16,398	49	0	51
51	1	34	18,915	50	0	52
52	1	12	21,646	51	0	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	12:Case 12		34:Case 34		14:Case 14		26:Case 26		33:Case 33		24:Case 24		53:Case 53		52:Case 52	
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	X
49	X	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	X
51	X	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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	42:Case 42		3:Case 3		40:Case 40		51:Case 51		28:Case 28		2:Case 2		47:Case 47		38:Case 38	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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	X
49	X	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	X
51	X	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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	19:Case 19		39:Case 39		20:Case 20		11:Case 11		10:Case 10		50:Case 50		6:Case 6		5:Case 5	
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	X
49	X	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	X
51	X	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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	32:Case 32		15:Case 15		30:Case 30		17:Case 17		4:Case 4		45:Case 45		36:Case 36		35:Case 35	
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	X
49	X	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	X
51	X	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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	37:Case 37		46:Case 46		48:Case 48		25:Case 25		21:Case 21		18:Case 18		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	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	X
49	X	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	X
51	X	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	X



Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	16:Case 16		9:Case 9		49:Case 49		44:Case 44		31:Case 31		29:Case 29		27:Case 27		23:Case 23	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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	X
49	X	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	X
51	X	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	X

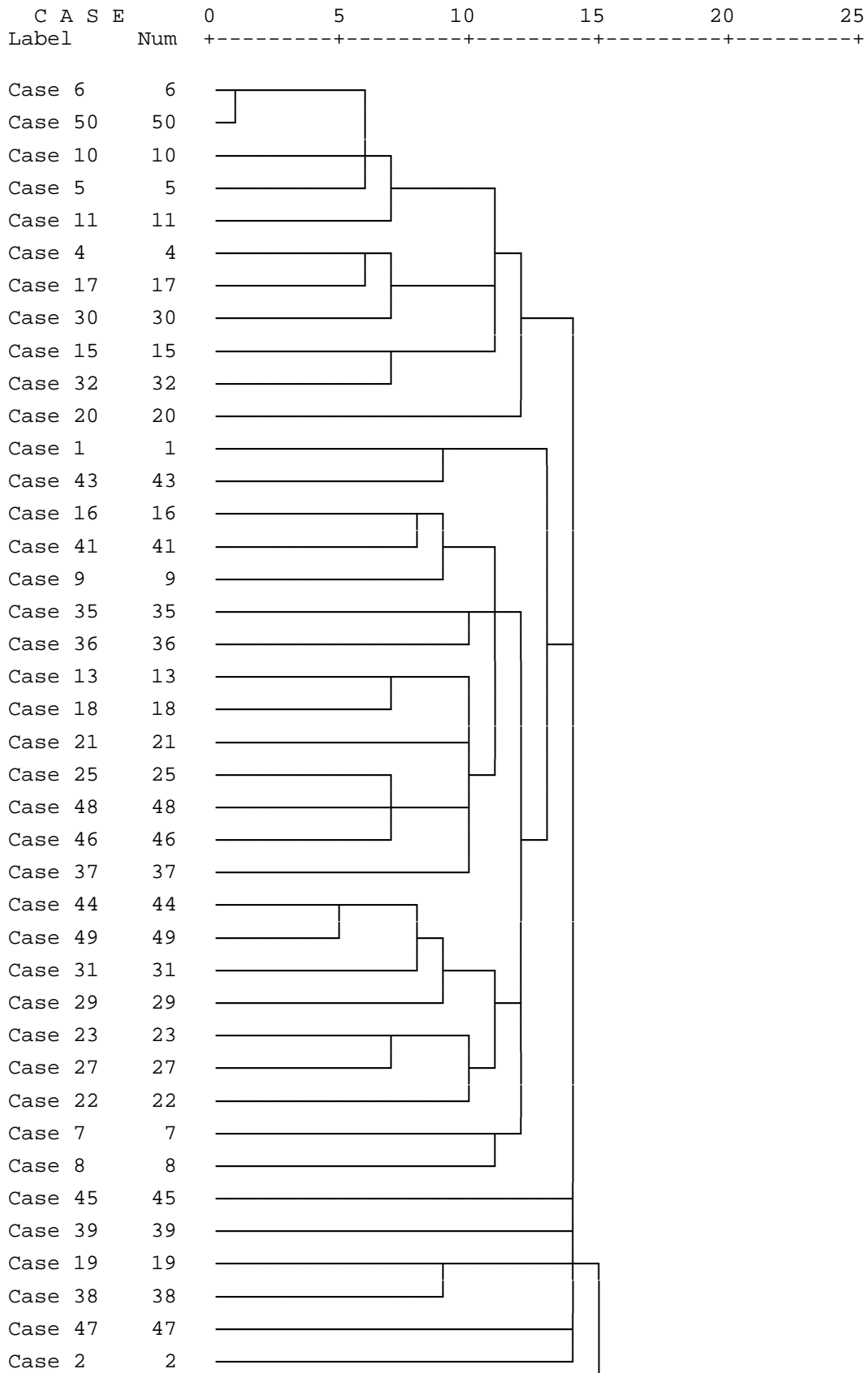
Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall								
	22:Case 22		8:Case 8		7:Case 7		43:Case 43		1:Case 1
1	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X
7	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	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	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

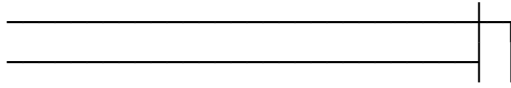
# Dendrogramm

Dendrogram using Single Linkage

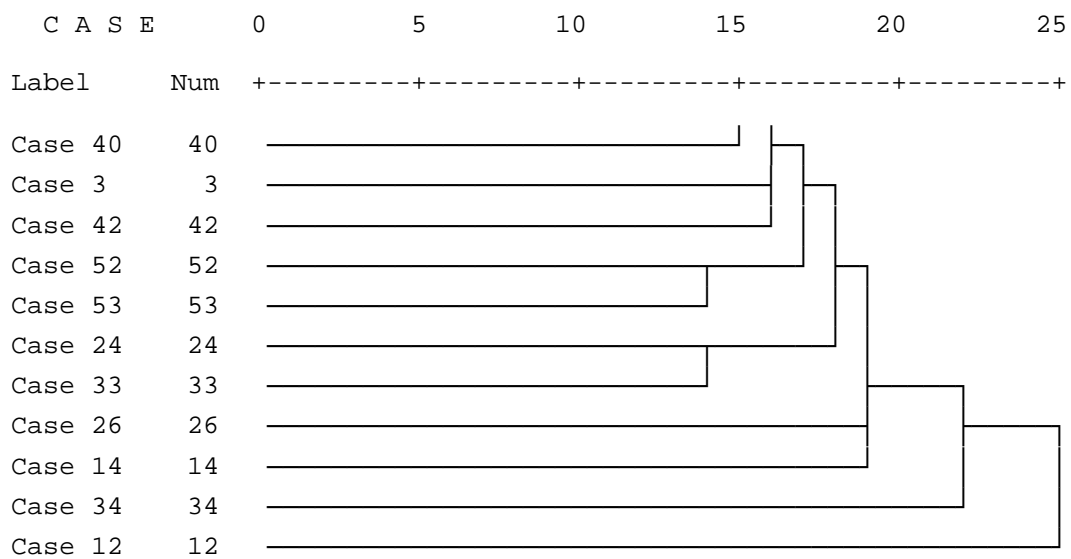
Rescaled Distance Cluster Combine



Case 28 28  
Case 51 51



\*\*\*\*\* 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**

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

### Nherungsmatrix

Fall	Quadriertes euklidisches Distanzma						
	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	18,469	22,500	24,478	51,593	43,128	30,731
2:Case 2	18,469	,000	28,039	35,351	53,713	49,703	28,861
3:Case 3	22,500	28,039	,000	18,531	37,640	33,833	24,873
4:Case 4	24,478	35,351	18,531	,000	19,685	10,279	18,329
5:Case 5	51,593	53,713	37,640	19,685	,000	11,168	37,593
6:Case 6	43,128	49,703	33,833	10,279	11,168	,000	31,155
7:Case 7	30,731	28,861	24,873	18,329	37,593	31,155	,000
8:Case 8	33,497	32,675	29,574	26,444	63,719	50,459	11,327
9:Case 9	23,918	39,219	40,737	52,710	90,806	85,973	41,066
10:Case 10	61,939	59,905	43,125	17,326	6,821	6,841	30,114
11:Case 11	47,021	44,739	38,656	20,454	12,397	8,725	33,653
12:Case 12	23,022	38,792	35,584	33,777	64,842	56,794	22,592
13:Case 13	35,056	50,251	32,304	11,104	21,987	11,020	24,323
14:Case 14	28,138	44,039	41,796	43,188	76,077	75,861	25,529
15:Case 15	25,902	37,666	19,391	6,576	31,701	15,343	25,714
16:Case 16	12,243	35,638	22,484	17,270	47,123	38,458	18,992
17:Case 17	19,021	16,472	30,328	30,251	54,826	53,836	23,052
18:Case 18	28,372	46,541	17,521	20,416	32,867	24,613	41,574
19:Case 19	21,556	42,655	29,096	14,868	40,423	31,386	18,015
20:Case 20	38,829	38,098	33,106	20,516	24,409	28,201	16,846
21:Case 21	34,837	29,633	41,526	28,416	32,536	36,841	22,580
22:Case 22	35,159	46,126	56,179	32,804	46,109	31,309	36,207
23:Case 23	12,847	35,822	14,696	18,535	47,277	35,909	22,442
24:Case 24	26,118	28,417	36,578	33,892	44,820	49,680	22,635
25:Case 25	33,251	27,694	32,948	43,643	42,674	52,407	32,580
26:Case 26	33,696	31,074	43,540	43,063	52,686	53,619	28,290
27:Case 27	19,139	43,630	20,211	8,106	25,644	16,045	30,230
28:Case 28	27,053	23,861	41,423	27,388	30,545	37,165	24,465
29:Case 29	35,448	42,583	23,964	12,189	19,824	12,630	20,237
30:Case 30	25,143	35,420	41,660	25,590	50,020	31,324	34,409
31:Case 31	17,591	26,843	15,611	17,580	34,787	37,062	18,862
32:Case 32	23,857	33,303	36,566	27,748	42,726	44,490	25,386
33:Case 33	18,386	25,563	24,714	25,672	55,976	41,341	15,649
34:Case 34	21,147	13,670	23,272	30,890	36,294	42,027	21,649
35:Case 35	24,680	38,066	37,680	13,785	45,762	28,761	17,787
36:Case 36	19,055	34,747	31,060	15,765	26,746	20,110	28,088
37:Case 37	18,310	31,985	41,018	38,120	71,863	66,218	28,152
38:Case 38	28,924	39,213	27,703	14,930	26,741	26,269	31,303
39:Case 39	9,602	26,131	39,282	45,291	73,611	59,027	49,475
40:Case 40	19,886	14,281	26,675	22,339	33,404	31,223	11,892
41:Case 41	17,725	33,709	54,940	34,807	51,795	49,537	37,932
42:Case 42	12,465	27,514	18,718	18,110	49,747	32,162	23,972
43:Case 43	23,734	30,363	35,110	38,125	46,441	47,831	24,824
44:Case 44	14,987	34,962	16,961	24,551	61,353	45,520	26,892
45:Case 45	29,334	19,934	32,661	29,322	40,635	38,917	17,083
46:Case 46	44,928	52,145	34,196	12,110	11,830	1,831	29,324
47:Case 47	39,508	31,848	62,280	61,050	79,251	87,878	52,317
48:Case 48	45,980	52,280	55,390	57,476	72,875	77,279	55,448
49:Case 49	20,580	33,449	34,674	30,447	57,692	48,536	32,915

Dies ist eine Unhnlichkeitsmatrix

### 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	33,497	23,918	61,939	47,021	23,022	35,056
2:Case 2	32,675	39,219	59,905	44,739	38,792	50,251
3:Case 3	29,574	40,737	43,125	38,656	35,584	32,304
4:Case 4	26,444	52,710	17,326	20,454	33,777	11,104
5:Case 5	63,719	90,806	6,821	12,397	64,842	21,987
6:Case 6	50,459	85,973	6,841	8,725	56,794	11,020
7:Case 7	11,327	41,066	30,114	33,653	22,592	24,323
8:Case 8	,000	37,029	55,219	52,123	16,241	38,773
9:Case 9	37,029	,000	99,196	96,375	29,277	76,142
10:Case 10	55,219	99,196	,000	10,172	63,635	16,878
11:Case 11	52,123	96,375	10,172	,000	55,172	16,002
12:Case 12	16,241	29,277	63,635	55,172	,000	37,787
13:Case 13	38,773	76,142	16,878	16,002	37,787	,000
14:Case 14	25,170	9,188	80,790	83,748	15,647	60,210
15:Case 15	29,479	52,779	26,801	28,017	34,664	10,143
16:Case 16	16,605	22,748	49,709	43,531	8,197	23,583
17:Case 17	18,207	28,850	59,172	44,875	13,493	40,649
18:Case 18	56,249	58,687	36,598	33,100	55,692	21,190
19:Case 19	28,497	33,458	39,738	41,041	17,794	24,631
20:Case 20	36,748	48,183	27,737	36,459	46,608	40,726
21:Case 21	43,276	51,341	40,259	45,233	48,192	45,712
22:Case 22	50,695	66,408	38,600	32,112	34,462	38,676
23:Case 23	28,889	24,177	49,655	49,115	21,947	28,244
24:Case 24	43,543	30,321	55,592	60,567	42,462	51,433
25:Case 25	49,426	35,691	54,436	48,560	47,165	65,914
26:Case 26	44,722	35,834	58,020	66,617	41,154	63,473
27:Case 27	38,380	44,735	27,297	27,150	30,292	13,404
28:Case 28	45,631	40,617	37,156	40,702	40,695	45,127
29:Case 29	31,978	61,199	14,404	13,820	27,536	8,340
30:Case 30	37,986	48,645	43,232	28,601	26,519	29,201
31:Case 31	26,561	21,283	41,991	45,993	28,897	38,481
32:Case 32	36,657	21,020	45,991	53,670	28,672	44,131
33:Case 33	18,736	18,664	55,293	52,656	22,411	36,475
34:Case 34	30,324	41,414	43,480	28,335	23,641	34,588
35:Case 35	22,157	40,268	39,364	40,065	25,869	27,826
36:Case 36	38,388	47,949	35,039	24,841	33,147	22,943
37:Case 37	25,968	11,044	75,231	71,165	11,375	55,403
38:Case 38	44,210	59,524	31,278	32,108	47,551	31,140
39:Case 39	50,758	30,097	82,043	61,089	31,579	55,126
40:Case 40	24,172	27,067	34,641	35,301	25,391	35,441
41:Case 41	51,429	40,428	60,510	51,644	33,660	47,303
42:Case 42	29,672	28,157	49,791	50,099	29,231	30,317
43:Case 43	31,598	26,400	53,416	48,111	25,048	47,994
44:Case 44	26,174	31,363	63,349	53,096	18,497	36,483
45:Case 45	22,579	34,955	39,842	34,352	23,410	45,417
46:Case 46	49,797	89,099	6,179	8,063	57,456	11,869
47:Case 47	42,501	46,284	92,280	71,614	30,517	74,200
48:Case 48	62,239	38,225	90,501	94,874	60,312	92,291
49:Case 49	32,881	26,348	65,636	63,647	27,548	54,925

Dies ist eine Unähnlichkeitsmatrix



### Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	14:Case 14	15:Case 15	16:Case 16	17:Case 17	18:Case 18	19:Case 19
1:Case 1	28,138	25,902	12,243	19,021	28,372	21,556
2:Case 2	44,039	37,666	35,638	16,472	46,541	42,655
3:Case 3	41,796	19,391	22,484	30,328	17,521	29,096
4:Case 4	43,188	6,576	17,270	30,251	20,416	14,868
5:Case 5	76,077	31,701	47,123	54,826	32,867	40,423
6:Case 6	75,861	15,343	38,458	53,836	24,613	31,386
7:Case 7	25,529	25,714	18,992	23,052	41,574	18,015
8:Case 8	25,170	29,479	16,605	18,207	56,249	28,497
9:Case 9	9,188	52,779	22,748	28,850	58,687	33,458
10:Case 10	80,790	26,801	49,709	59,172	36,598	39,738
11:Case 11	83,748	28,017	43,531	44,875	33,100	41,041
12:Case 12	15,647	34,664	8,197	13,493	55,692	17,794
13:Case 13	60,210	10,143	23,583	40,649	21,190	24,631
14:Case 14	,000	50,005	14,900	22,170	66,334	20,155
15:Case 15	50,005	,000	19,284	35,382	12,767	23,503
16:Case 16	14,900	19,284	,000	14,249	31,457	10,081
17:Case 17	22,170	35,382	14,249	,000	49,955	23,266
18:Case 18	66,334	12,767	31,457	49,955	,000	37,536
19:Case 19	20,155	23,503	10,081	23,266	37,536	,000
20:Case 20	35,749	39,050	34,219	40,580	51,420	22,546
21:Case 21	39,080	46,186	37,319	35,314	59,576	26,188
22:Case 22	58,082	41,622	36,023	41,224	54,797	27,821
23:Case 23	21,775	17,958	10,754	30,000	22,708	13,018
24:Case 24	22,703	47,259	31,316	33,559	54,279	22,861
25:Case 25	36,183	60,556	39,964	32,209	57,328	36,093
26:Case 26	31,570	53,667	40,766	41,234	65,584	32,755
27:Case 27	43,122	7,494	13,616	34,599	11,115	16,897
28:Case 28	33,855	41,745	33,931	28,715	48,966	25,225
29:Case 29	47,912	12,764	19,976	29,739	24,005	18,945
30:Case 30	49,353	24,563	22,729	24,766	33,870	25,166
31:Case 31	17,979	26,438	16,677	26,056	32,497	20,123
32:Case 32	19,505	32,049	23,796	31,482	41,572	23,870
33:Case 33	18,303	25,766	12,543	21,268	38,480	17,046
34:Case 34	36,682	35,547	23,645	9,050	37,481	29,260
35:Case 35	31,743	23,115	17,103	28,285	43,789	13,797
36:Case 36	41,057	24,852	18,327	28,194	34,575	14,180
37:Case 37	8,651	42,630	13,218	14,815	57,590	18,637
38:Case 38	53,822	26,335	35,320	43,180	32,473	29,544
39:Case 39	43,355	38,836	26,965	30,870	39,641	35,318
40:Case 40	23,732	28,677	21,519	18,666	39,589	20,295
41:Case 41	34,796	48,542	25,461	26,575	56,391	23,559
42:Case 42	29,826	17,216	16,441	32,259	27,523	18,089
43:Case 43	23,532	44,331	23,681	27,227	49,669	32,178
44:Case 44	26,641	26,387	13,143	26,800	36,142	17,553
45:Case 45	29,668	39,972	25,492	14,792	53,212	24,737
46:Case 46	78,831	17,516	40,630	56,650	23,806	34,728
47:Case 47	37,514	68,714	39,380	14,310	90,761	48,168
48:Case 48	39,073	71,470	50,740	54,317	82,793	41,714
49:Case 49	23,564	39,226	21,408	30,081	56,751	19,886

Dies ist eine Unähnlichkeitsmatrix

### Näherungsmatrix

Fall	Quadriertes euklidisches Distanzmaß					
	20:Case 20	21:Case 21	22:Case 22	23:Case 23	24:Case 24	25:Case 25
1:Case 1	38,829	34,837	35,159	12,847	26,118	33,251
2:Case 2	38,098	29,633	46,126	35,822	28,417	27,694
3:Case 3	33,106	41,526	56,179	14,696	36,578	32,948
4:Case 4	20,516	28,416	32,804	18,535	33,892	43,643
5:Case 5	24,409	32,536	46,109	47,277	44,820	42,674
6:Case 6	28,201	36,841	31,309	35,909	49,680	52,407
7:Case 7	16,846	22,580	36,207	22,442	22,635	32,580
8:Case 8	36,748	43,276	50,695	28,889	43,543	49,426
9:Case 9	48,183	51,341	66,408	24,177	30,321	35,691
10:Case 10	27,737	40,259	38,600	49,655	55,592	54,436
11:Case 11	36,459	45,233	32,112	49,115	60,567	48,560
12:Case 12	46,608	48,192	34,462	21,947	42,462	47,165
13:Case 13	40,726	45,712	38,676	28,244	51,433	65,914
14:Case 14	35,749	39,080	58,082	21,775	22,703	36,183
15:Case 15	39,050	46,186	41,622	17,958	47,259	60,556
16:Case 16	34,219	37,319	36,023	10,754	31,316	39,964
17:Case 17	40,580	35,314	41,224	30,000	33,559	32,209
18:Case 18	51,420	59,576	54,797	22,708	54,279	57,328
19:Case 19	22,546	26,188	27,821	13,018	22,861	36,093
20:Case 20	,000	10,337	42,470	32,857	14,339	17,651
21:Case 21	10,337	,000	42,636	41,228	7,442	24,278
22:Case 22	42,470	42,636	,000	40,693	51,589	44,544
23:Case 23	32,857	41,228	40,693	,000	26,827	37,418
24:Case 24	14,339	7,442	51,589	26,827	,000	21,338
25:Case 25	17,651	24,278	44,544	37,418	21,338	,000
26:Case 26	22,090	14,981	36,344	34,325	13,481	22,556
27:Case 27	34,324	41,796	28,969	15,111	42,313	46,429
28:Case 28	16,245	10,796	26,689	33,991	11,485	20,280
29:Case 29	30,935	41,324	30,286	24,850	47,150	43,461
30:Case 30	50,838	54,326	13,409	31,150	56,276	48,183
31:Case 31	15,106	25,799	44,856	10,457	16,085	19,045
32:Case 32	22,802	33,514	34,662	20,129	23,295	26,709
33:Case 33	26,791	24,892	41,726	16,260	19,755	30,113
34:Case 34	33,781	31,426	37,384	33,045	32,187	21,646
35:Case 35	25,117	26,224	21,622	26,093	31,222	44,440
36:Case 36	20,069	21,272	32,619	25,546	26,175	31,414
37:Case 37	40,097	35,519	34,112	24,435	26,867	34,752
38:Case 38	24,936	37,476	39,442	29,106	39,007	40,861
39:Case 39	58,952	54,534	35,901	25,775	44,410	43,611
40:Case 40	13,907	13,033	24,593	22,506	13,061	14,476
41:Case 41	37,080	23,464	22,292	36,933	23,854	36,390
42:Case 42	31,381	32,411	36,201	7,192	25,541	37,140
43:Case 43	29,376	35,206	35,179	24,105	26,559	20,560
44:Case 44	42,648	47,051	42,449	7,316	35,034	44,443
45:Case 45	20,949	22,693	21,678	34,189	28,013	14,049
46:Case 46	29,846	40,638	29,933	38,238	53,633	54,207
47:Case 47	59,084	56,590	70,687	58,763	52,728	46,520
48:Case 48	32,555	24,487	72,844	48,777	20,681	36,582
49:Case 49	27,934	21,868	37,697	21,641	18,636	32,799

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	33,696	19,139	27,053	35,448	25,143	17,591
2:Case 2	31,074	43,630	23,861	42,583	35,420	26,843
3:Case 3	43,540	20,211	41,423	23,964	41,660	15,611
4:Case 4	43,063	8,106	27,388	12,189	25,590	17,580
5:Case 5	52,686	25,644	30,545	19,824	50,020	34,787
6:Case 6	53,619	16,045	37,165	12,630	31,324	37,062
7:Case 7	28,290	30,230	24,465	20,237	34,409	18,862
8:Case 8	44,722	38,380	45,631	31,978	37,986	26,561
9:Case 9	35,834	44,735	40,617	61,199	48,645	21,283
10:Case 10	58,020	27,297	37,156	14,404	43,232	41,991
11:Case 11	66,617	27,150	40,702	13,820	28,601	45,993
12:Case 12	41,154	30,292	40,695	27,536	26,519	28,897
13:Case 13	63,473	13,404	45,127	8,340	29,201	38,481
14:Case 14	31,570	43,122	33,855	47,912	49,353	17,979
15:Case 15	53,667	7,494	41,745	12,764	24,563	26,438
16:Case 16	40,766	13,616	33,931	19,976	22,729	16,677
17:Case 17	41,234	34,599	28,715	29,739	24,766	26,056
18:Case 18	65,584	11,115	48,966	24,005	33,870	32,497
19:Case 19	32,755	16,897	25,225	18,945	25,166	20,123
20:Case 20	22,090	34,324	16,245	30,935	50,838	15,106
21:Case 21	14,981	41,796	10,796	41,324	54,326	25,799
22:Case 22	36,344	28,969	26,689	30,286	13,409	44,856
23:Case 23	34,325	15,111	33,991	24,850	31,150	10,457
24:Case 24	13,481	42,313	11,485	47,150	56,276	16,085
25:Case 25	22,556	46,429	20,280	43,461	48,183	19,045
26:Case 26	,000	45,754	14,146	51,195	53,997	23,940
27:Case 27	45,754	,000	33,610	12,566	19,126	21,778
28:Case 28	14,146	33,610	,000	38,322	34,822	18,572
29:Case 29	51,195	12,566	38,322	,000	21,852	29,703
30:Case 30	53,997	19,126	34,822	21,852	,000	39,781
31:Case 31	23,940	21,778	18,572	29,703	39,781	,000
32:Case 32	20,947	24,636	15,837	33,507	33,267	10,607
33:Case 33	25,174	26,361	30,654	28,077	31,824	19,409
34:Case 34	36,894	31,789	24,714	22,932	26,730	27,277
35:Case 35	31,901	19,274	24,909	28,439	20,097	26,625
36:Case 36	38,462	17,709	27,534	21,389	27,925	26,256
37:Case 37	25,185	32,806	24,692	43,379	27,760	23,327
38:Case 38	41,698	21,229	28,517	33,173	38,401	22,356
39:Case 39	42,673	31,734	39,410	47,844	24,980	36,143
40:Case 40	9,678	26,058	8,524	24,178	26,414	13,329
41:Case 41	30,306	32,832	13,235	47,053	27,355	32,410
42:Case 42	25,623	16,838	32,408	27,300	32,130	15,625
43:Case 43	22,006	34,099	23,251	38,051	33,171	16,824
44:Case 44	43,737	24,812	42,232	32,990	30,578	19,515
45:Case 45	19,385	34,010	16,404	26,711	22,591	22,852
46:Case 46	54,892	17,049	38,097	14,989	31,459	38,863
47:Case 47	61,742	67,583	48,609	58,594	53,588	47,032
48:Case 48	22,243	61,781	32,097	78,681	79,127	34,962
49:Case 49	17,506	32,717	23,266	46,632	40,112	19,594

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	23,857	18,386	21,147	24,680	19,055	18,310
2:Case 2	33,303	25,563	13,670	38,066	34,747	31,985
3:Case 3	36,566	24,714	23,272	37,680	31,060	41,018
4:Case 4	27,748	25,672	30,890	13,785	15,765	38,120
5:Case 5	42,726	55,976	36,294	45,762	26,746	71,863
6:Case 6	44,490	41,341	42,027	28,761	20,110	66,218
7:Case 7	25,386	15,649	21,649	17,787	28,088	28,152
8:Case 8	36,657	18,736	30,324	22,157	38,388	25,968
9:Case 9	21,020	18,664	41,414	40,268	47,949	11,044
10:Case 10	45,991	55,293	43,480	39,364	35,039	75,231
11:Case 11	53,670	52,656	28,335	40,065	24,841	71,165
12:Case 12	28,672	22,411	23,641	25,869	33,147	11,375
13:Case 13	44,131	36,475	34,588	27,826	22,943	55,403
14:Case 14	19,505	18,303	36,682	31,743	41,057	8,651
15:Case 15	32,049	25,766	35,547	23,115	24,852	42,630
16:Case 16	23,796	12,543	23,645	17,103	18,327	13,218
17:Case 17	31,482	21,268	9,050	28,285	28,194	14,815
18:Case 18	41,572	38,480	37,481	43,789	34,575	57,590
19:Case 19	23,870	17,046	29,260	13,797	14,180	18,637
20:Case 20	22,802	26,791	33,781	25,117	20,069	40,097
21:Case 21	33,514	24,892	31,426	26,224	21,272	35,519
22:Case 22	34,662	41,726	37,384	21,622	32,619	34,112
23:Case 23	20,129	16,260	33,045	26,093	25,546	24,435
24:Case 24	23,295	19,755	32,187	31,222	26,175	26,867
25:Case 25	26,709	30,113	21,646	44,440	31,414	34,752
26:Case 26	20,947	25,174	36,894	31,901	38,462	25,185
27:Case 27	24,636	26,361	31,789	19,274	17,709	32,806
28:Case 28	15,837	30,654	24,714	24,909	27,534	24,692
29:Case 29	33,507	28,077	22,932	28,439	21,389	43,379
30:Case 30	33,267	31,824	26,730	20,097	27,925	27,760
31:Case 31	10,607	19,409	27,277	26,625	26,256	23,327
32:Case 32	,000	26,207	30,906	26,749	33,595	18,013
33:Case 33	26,207	,000	27,169	20,208	21,914	17,013
34:Case 34	30,906	27,169	,000	36,023	25,427	27,254
35:Case 35	26,749	20,208	36,023	,000	19,154	20,479
36:Case 36	33,595	21,914	25,427	19,154	,000	34,427
37:Case 37	18,013	17,013	27,254	20,479	34,427	,000
38:Case 38	26,021	48,184	34,318	23,087	25,268	46,676
39:Case 39	32,217	27,209	30,550	41,976	32,330	24,600
40:Case 40	11,757	11,622	15,086	19,123	21,628	17,241
41:Case 41	29,399	31,706	31,594	21,363	24,661	18,253
42:Case 42	23,330	10,470	35,381	21,261	24,380	25,899
43:Case 43	16,287	25,788	24,266	29,056	30,427	21,764
44:Case 44	35,865	22,143	33,749	25,810	28,736	25,287
45:Case 45	22,314	20,432	13,279	21,189	26,133	18,786
46:Case 46	44,594	46,008	41,520	28,554	24,435	67,677
47:Case 47	45,820	50,650	24,040	58,675	43,921	33,842
48:Case 48	42,964	37,186	59,264	48,728	39,219	36,761
49:Case 49	28,243	17,937	40,567	21,215	22,406	17,074

Dies ist eine Unähnlichkeitsmatrix

### Nherungsmatrix

Fall	Quadriertes euklidisches Distanzma					
	38:Case 38	39:Case 39	40:Case 40	41:Case 41	42:Case 42	43:Case 43
1:Case 1	28,924	9,602	19,886	17,725	12,465	23,734
2:Case 2	39,213	26,131	14,281	33,709	27,514	30,363
3:Case 3	27,703	39,282	26,675	54,940	18,718	35,110
4:Case 4	14,930	45,291	22,339	34,807	18,110	38,125
5:Case 5	26,741	73,611	33,404	51,795	49,747	46,441
6:Case 6	26,269	59,027	31,223	49,537	32,162	47,831
7:Case 7	31,303	49,475	11,892	37,932	23,972	24,824
8:Case 8	44,210	50,758	24,172	51,429	29,672	31,598
9:Case 9	59,524	30,097	27,067	40,428	28,157	26,400
10:Case 10	31,278	82,043	34,641	60,510	49,791	53,416
11:Case 11	32,108	61,089	35,301	51,644	50,099	48,111
12:Case 12	47,551	31,579	25,391	33,660	29,231	25,048
13:Case 13	31,140	55,126	35,441	47,303	30,317	47,994
14:Case 14	53,822	43,355	23,732	34,796	29,826	23,532
15:Case 15	26,335	38,836	28,677	48,542	17,216	44,331
16:Case 16	35,320	26,965	21,519	25,461	16,441	23,681
17:Case 17	43,180	30,870	18,666	26,575	32,259	27,227
18:Case 18	32,473	39,641	39,589	56,391	27,523	49,669
19:Case 19	29,544	35,318	20,295	23,559	18,089	32,178
20:Case 20	24,936	58,952	13,907	37,080	31,381	29,376
21:Case 21	37,476	54,534	13,033	23,464	32,411	35,206
22:Case 22	39,442	35,901	24,593	22,292	36,201	35,179
23:Case 23	29,106	25,775	22,506	36,933	7,192	24,105
24:Case 24	39,007	44,410	13,061	23,854	25,541	26,559
25:Case 25	40,861	43,611	14,476	36,390	37,140	20,560
26:Case 26	41,698	42,673	9,678	30,306	25,623	22,006
27:Case 27	21,229	31,734	26,058	32,832	16,838	34,099
28:Case 28	28,517	39,410	8,524	13,235	32,408	23,251
29:Case 29	33,173	47,844	24,178	47,053	27,300	38,051
30:Case 30	38,401	24,980	26,414	27,355	32,130	33,171
31:Case 31	22,356	36,143	13,329	32,410	15,625	16,824
32:Case 32	26,021	32,217	11,757	29,399	23,330	16,287
33:Case 33	48,184	27,209	11,622	31,706	10,470	25,788
34:Case 34	34,318	30,550	15,086	31,594	35,381	24,266
35:Case 35	23,087	41,976	19,123	21,363	21,261	29,056
36:Case 36	25,268	32,330	21,628	24,661	24,380	30,427
37:Case 37	46,676	24,600	17,241	18,253	25,899	21,764
38:Case 38	,000	51,421	29,770	41,688	32,396	32,479
39:Case 39	51,421	,000	28,151	28,937	24,141	35,869
40:Case 40	29,770	28,151	,000	21,614	17,120	13,816
41:Case 41	41,688	28,937	21,614	,000	33,737	31,665
42:Case 42	32,396	24,141	17,120	33,737	,000	29,630
43:Case 43	32,479	35,869	13,816	31,665	29,630	,000
44:Case 44	34,424	29,224	31,007	38,514	15,639	28,497
45:Case 45	34,957	36,228	6,308	27,079	30,960	15,859
46:Case 46	22,555	61,169	32,682	51,637	36,643	46,425
47:Case 47	60,989	48,124	39,924	48,873	64,042	41,999
48:Case 48	59,413	54,467	33,090	44,872	46,707	43,317
49:Case 49	40,294	30,228	18,896	23,810	19,455	24,069

Dies ist eine Unhnlichkeitsmatrix

### 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	14,987	29,334	44,928	39,508	45,980	20,580
2:Case 2	34,962	19,934	52,145	31,848	52,280	33,449
3:Case 3	16,961	32,661	34,196	62,280	55,390	34,674
4:Case 4	24,551	29,322	12,110	61,050	57,476	30,447
5:Case 5	61,353	40,635	11,830	79,251	72,875	57,692
6:Case 6	45,520	38,917	1,831	87,878	77,279	48,536
7:Case 7	26,892	17,083	29,324	52,317	55,448	32,915
8:Case 8	26,174	22,579	49,797	42,501	62,239	32,881
9:Case 9	31,363	34,955	89,099	46,284	38,225	26,348
10:Case 10	63,349	39,842	6,179	92,280	90,501	65,636
11:Case 11	53,096	34,352	8,063	71,614	94,874	63,647
12:Case 12	18,497	23,410	57,456	30,517	60,312	27,548
13:Case 13	36,483	45,417	11,869	74,200	92,291	54,925
14:Case 14	26,641	29,668	78,831	37,514	39,073	23,564
15:Case 15	26,387	39,972	17,516	68,714	71,470	39,226
16:Case 16	13,143	25,492	40,630	39,380	50,740	21,408
17:Case 17	26,800	14,792	56,650	14,310	54,317	30,081
18:Case 18	36,142	53,212	23,806	90,761	82,793	56,751
19:Case 19	17,553	24,737	34,728	48,168	41,714	19,886
20:Case 20	42,648	20,949	29,846	59,084	32,555	27,934
21:Case 21	47,051	22,693	40,638	56,590	24,487	21,868
22:Case 22	42,449	21,678	29,933	70,687	72,844	37,697
23:Case 23	7,316	34,189	38,238	58,763	48,777	21,641
24:Case 24	35,034	28,013	53,633	52,728	20,681	18,636
25:Case 25	44,443	14,049	54,207	46,520	36,582	32,799
26:Case 26	43,737	19,385	54,892	61,742	22,243	17,506
27:Case 27	24,812	34,010	17,049	67,583	61,781	32,717
28:Case 28	42,232	16,404	38,097	48,609	32,097	23,266
29:Case 29	32,990	26,711	14,989	58,594	78,681	46,632
30:Case 30	30,578	22,591	31,459	53,588	79,127	40,112
31:Case 31	19,515	22,852	38,863	47,032	34,962	19,594
32:Case 32	35,865	22,314	44,594	45,820	42,964	28,243
33:Case 33	22,143	20,432	46,008	50,650	37,186	17,937
34:Case 34	33,749	13,279	41,520	24,040	59,264	40,567
35:Case 35	25,810	21,189	28,554	58,675	48,728	21,215
36:Case 36	28,736	26,133	24,435	43,921	39,219	22,406
37:Case 37	25,287	18,786	67,677	33,842	36,761	17,074
38:Case 38	34,424	34,957	22,555	60,989	59,413	40,294
39:Case 39	29,224	36,228	61,169	48,124	54,467	30,228
40:Case 40	31,007	6,308	32,682	39,924	33,090	18,896
41:Case 41	38,514	27,079	51,637	48,873	44,872	23,810
42:Case 42	15,639	30,960	36,643	64,042	46,707	19,455
43:Case 43	28,497	15,859	46,425	41,999	43,317	24,069
44:Case 44	,000	35,567	47,507	54,657	53,227	20,001
45:Case 45	35,567	,000	39,052	33,580	41,140	24,260
46:Case 46	47,507	39,052	,000	92,658	82,742	53,657
47:Case 47	54,657	33,580	92,658	,000	65,382	49,860
48:Case 48	53,227	41,140	82,742	65,382	,000	13,165
49:Case 49	20,001	24,260	53,657	49,860	13,165	,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	6	46	,916	0	0	13
2	40	45	4,070	0	0	24
3	4	15	7,358	0	0	8
4	5	10	10,768	0	0	22
5	23	42	14,364	0	0	18
6	21	24	18,085	0	0	17
7	12	16	22,183	0	0	32
8	4	27	26,287	3	0	28
9	13	29	30,457	0	0	28
10	14	37	34,783	0	0	14
11	17	34	39,308	0	0	25
12	1	39	44,109	0	0	36
13	6	11	49,399	1	0	22
14	9	14	54,701	0	10	41
15	31	32	60,005	0	0	29
16	7	8	65,669	0	0	31
17	21	28	71,856	6	0	23
18	23	44	78,309	5	0	36
19	48	49	84,891	0	0	40
20	22	30	91,595	0	0	39
21	19	35	98,494	0	0	27
22	5	6	105,683	4	13	44
23	20	21	113,436	0	17	30
24	25	40	121,893	0	2	35
25	2	17	130,432	0	11	34
26	3	18	139,192	0	0	37
27	19	36	148,004	21	0	33
28	4	13	156,979	8	9	37
29	31	43	166,249	15	0	35
30	20	26	175,656	23	0	40
31	7	33	185,230	16	0	32
32	7	12	198,553	31	7	41
33	19	41	212,021	27	0	39
34	2	47	226,304	25	0	46
35	25	31	240,919	24	29	42
36	1	23	257,907	12	18	43
37	3	4	274,909	26	28	38
38	3	38	292,494	37	0	44
39	19	22	312,448	33	20	45
40	20	48	334,480	30	19	42
41	7	9	359,223	32	14	43
42	20	25	388,783	40	35	47
43	1	7	422,392	36	41	45
44	3	5	460,035	38	22	48
45	1	19	506,250	43	39	46
46	1	2	556,430	45	34	47
47	1	20	633,579	46	42	48
48	1	3	816,000	47	44	0

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	11:Case 11		46:Case 46		6:Case 6		10:Case 10		5:Case 5		38:Case 38		29:Case 29		13:Case 13	
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	X



Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	27:Case 27		15:Case 15		4:Case 4		18:Case 18		3:Case 3		43:Case 43		32:Case 32		31:Case 31	
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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	45:Case 45		40:Case 40		25:Case 25		49:Case 49		48:Case 48		26:Case 26		28:Case 28		24:Case 24	
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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	21:Case 21		20:Case 20		47:Case 47		34:Case 34		17:Case 17		2:Case 2		30:Case 30		22:Case 22	
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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall															
	41:Case 41		36:Case 36		35:Case 35		19:Case 19		37:Case 37		14:Case 14		9:Case 9		16:Case 16	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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	X

Vertikales Eiszapfendiagramm

Anzahl der Cluster	Fall														
	12:Case 12		33:Case 33		8:Case 8		7:Case 7		44:Case 44		42:Case 42		23:Case 23		39:Case 39
1	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	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	X
41	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
43	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
45	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
47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

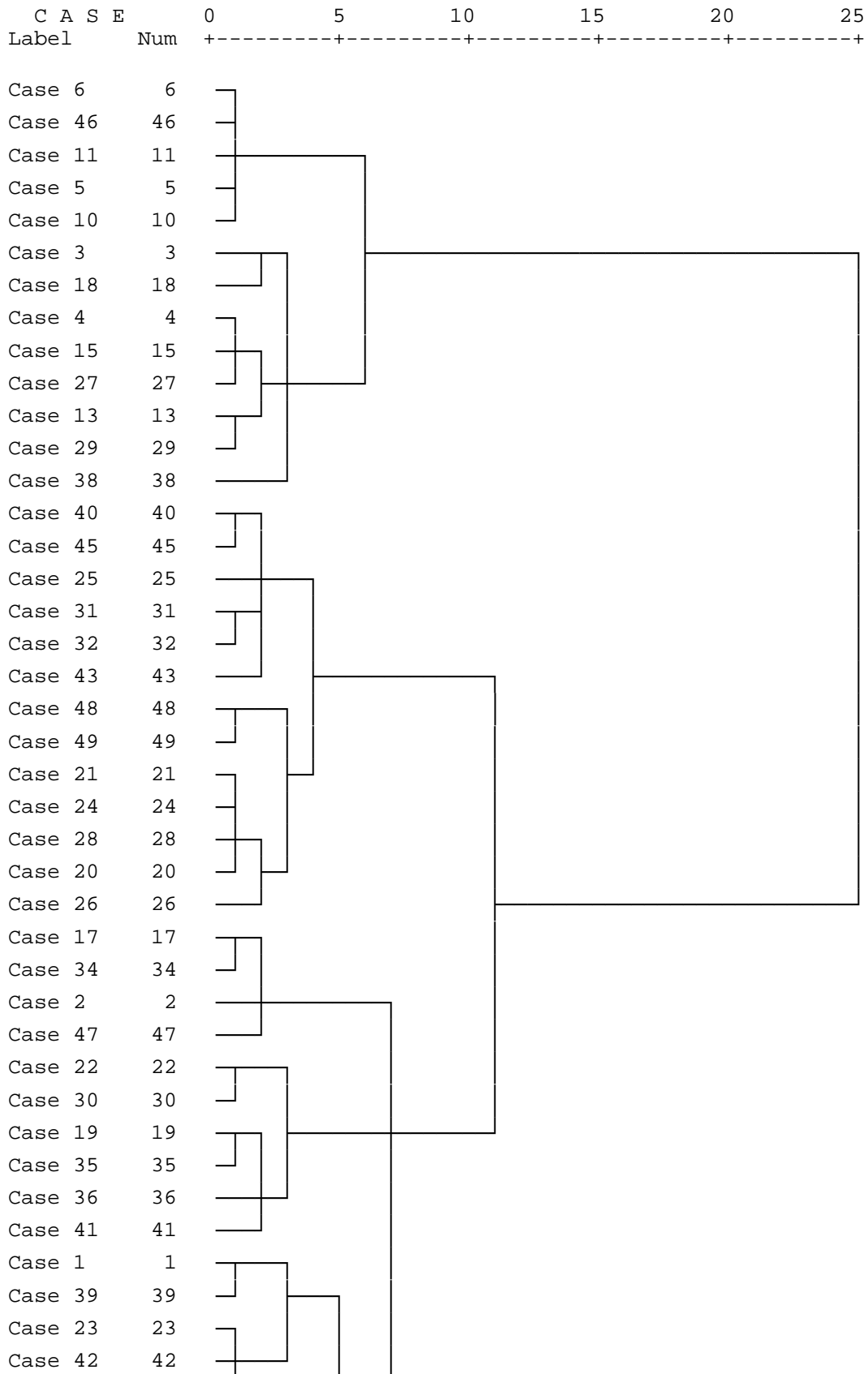
### Vertikales Eiszapfendiagramm

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

### Dendrogramm

Dendrogram using Ward Method

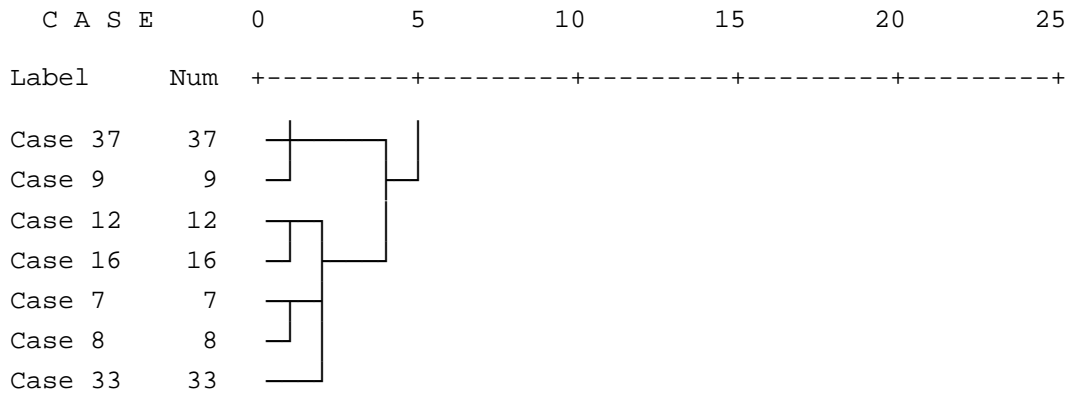
Rescaled Distance Cluster Combine



Case 44	44	┌	┌
Case 14	14	└	└



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



**Quick Cluster**

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

**Anfängliche Clusterzentren**

	Cluster	
	1	2
Subject Field - Diagnostics	2	4
Subject Field - Biomedicine	3	2
Subject Field - Human Medicine	4	3
Subject Field - Chemistry	4	1
Subject Field - Clinical Studies	4	0
Subject Field - Competitor Information	4	0
Subject Field - Economics	3	0
Subject Field - Life Sciences	3	3
Subject Field - Biotechnology	3	3
Subject Field - Pharmacy	4	1
Subject Field - Drugs	4	0
Subject Field - Pharmacology	4	0
Subject Field - Medical Devices	4	0
Subject Field - Medical Chemistry	4	0
Subject Field - Toxicology	4	0
Subject Field - Physics	2	0
Subject Field - Health Politics	3	0

### Iterationsprotokoll<sup>a</sup>

Iteration	Änderung in Clusterzentren	
	1	2
1	4,104	4,773
2	,584	,295
3	,500	,225
4	,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 12,570.

### Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	3,845
2	2	4,789
3	1	4,916
4	1	2,433
5	1	4,248
6	1	2,769
7	2	4,348
8	2	5,024
9	2	5,060
10	1	4,067
11	1	3,814
12	2	4,516
13	1	3,247
14	2	4,499
15	1	3,228
16	2	3,920
17	2	3,684
18	1	4,682
19	2	3,845
20	2	4,573
21	2	4,748
22	1	5,737
23	2	4,067
24	2	3,916
25	2	4,719
26	2	4,703
27	1	2,986
28	2	4,053
29	1	2,880
30	1	4,392
31	2	3,229
32	2	4,086
33	2	3,542
34	2	4,359
35	2	4,306
36	1	4,364
37	2	3,516
38	1	4,891
39	2	5,374
40	2	2,691
41	2	4,602
42	2	4,045
43	2	4,228
44	2	4,573
45	2	3,402
46	1	2,858
47	2	5,944
48	2	6,125
49	2	3,822

### Clusterzentren der endgültigen Lösung

	Cluster	
	1	2
Subject Field - Diagnostics	2	3
Subject Field - Biomedicine	3	3
Subject Field - Human Medicine	4	2
Subject Field - Chemistry	3	2
Subject Field - Clinical Studies	3	1
Subject Field - Competitor Information	3	2
Subject Field - Economics	2	2
Subject Field - Life Sciences	4	3
Subject Field - Biotechnology	4	3
Subject Field - Pharmacy	4	2
Subject Field - Drugs	4	2
Subject Field - Pharmacology	3	1
Subject Field - Medical Devices	2	2
Subject Field - Medical Chemistry	3	2
Subject Field - Toxicology	3	1
Subject Field - Physics	1	1
Subject Field - Health Politics	2	1

### Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2
1		5,273
2	5,273	

## ANOVA

	Cluster		Fehler		F	Sig.
	Mittel der Quadrate	df	Mittel der Quadrate	df		
Subject Field - Diagnostics	4,601	1	1,418	47	3,243	,078
Subject Field - Biomedicine	,870	1	,691	47	1,259	,268
Subject Field - Human Medicine	16,280	1	1,219	47	13,361	,001
Subject Field - Chemistry	1,104	1	1,745	47	,633	,430
Subject Field - Clinical Studies	38,266	1	1,264	47	30,274	,000
Subject Field - Competitor Information	5,670	1	1,627	47	3,486	,068
Subject Field - Economics	1,672	1	1,317	47	1,270	,265
Subject Field - Life Sciences	2,116	1	,695	47	3,046	,087
Subject Field - Biotechnology	4,627	1	,526	47	8,798	,005
Subject Field - Pharmacy	38,729	1	,665	47	58,210	,000
Subject Field - Drugs	41,325	1	,704	47	58,708	,000
Subject Field - Pharmacology	67,245	1	,464	47	144,869	,000
Subject Field - Medical Devices	3,619	1	1,701	47	2,128	,151
Subject Field - Medical Chemistry	16,532	1	1,391	47	11,883	,001
Subject Field - Toxicology	52,730	1	,713	47	73,946	,000
Subject Field - Physics	2,339	1	1,202	47	1,947	,170
Subject Field - Health Politics	1,871	1	1,369	47	1,367	,248

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	16,000
	2	33,000
Gültig		49,000
Fehlend		,000

### Quick Cluster

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

### Anfängliche Clusterzentren

	Cluster		
	1	2	3
Subject Field - Diagnostics	4	4	0
Subject Field - Biomedicine	4	4	2
Subject Field - Human Medicine	0	3	1
Subject Field - Chemistry	4	3	4
Subject Field - Clinical Studies	0	3	2
Subject Field - Competitor Information	2	3	3
Subject Field - Economics	0	2	4
Subject Field - Life Sciences	4	4	4
Subject Field - Biotechnology	4	4	3
Subject Field - Pharmacy	0	4	3
Subject Field - Drugs	0	3	4
Subject Field - Pharmacology	0	4	2
Subject Field - Medical Devices	2	4	0
Subject Field - Medical Chemistry	0	4	2
Subject Field - Toxicology	0	4	2
Subject Field - Physics	4	3	1
Subject Field - Health Politics	0	4	3

### Iterationsprotokoll<sup>a</sup>

Iteration	Änderung in Clusterzentren		
	1	2	3
1	4,902	3,910	5,152
2	,684	,590	,394
3	,524	,346	,557
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 8,124.

### Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	3	3,503
2	1	4,714
3	2	4,779
4	2	2,540
5	2	3,940
6	2	2,701
7	3	4,311
8	3	4,635
9	1	5,178
10	2	3,771
11	2	3,750
12	3	3,643
13	2	3,099
14	1	4,831
15	2	3,173
16	3	2,811
17	3	3,606
18	2	4,384
19	3	3,070
20	1	4,035
21	1	4,121
22	3	5,425
23	3	3,562
24	1	3,056
25	1	3,740
26	1	3,794
27	2	3,185
28	1	3,261
29	2	2,867
30	3	4,237
31	1	3,261
32	1	3,894
33	3	3,664
34	3	4,449
35	3	3,577
36	3	4,181
37	3	3,874
38	2	5,014
39	3	5,027
40	1	2,323
41	3	4,725
42	3	3,735
43	1	4,078
44	3	3,721
45	1	3,332
46	2	2,715
47	1	6,023
48	1	5,251
49	1	3,932

### Clusterzentren der endgültigen Lösung

	Cluster		
	1	2	3
Subject Field - Diagnostics	4	3	2
Subject Field - Biomedicine	3	4	3
Subject Field - Human Medicine	2	4	3
Subject Field - Chemistry	3	2	2
Subject Field - Clinical Studies	1	3	2
Subject Field - Competitor Information	2	3	3
Subject Field - Economics	2	2	2
Subject Field - Life Sciences	3	4	3
Subject Field - Biotechnology	3	4	3
Subject Field - Pharmacy	2	4	2
Subject Field - Drugs	1	4	2
Subject Field - Pharmacology	1	4	1
Subject Field - Medical Devices	2	2	1
Subject Field - Medical Chemistry	2	3	2
Subject Field - Toxicology	1	3	1
Subject Field - Physics	2	1	0
Subject Field - Health Politics	2	2	1

### Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3
1		6,623	3,541
2	6,623		5,003
3	3,541	5,003	



## ANOVA

	Cluster		Fehler		F	Sig.
	Mittel der Quadrate	df	Mittel der Quadrate	df		
Subject Field - Diagnostics	14,078	2	,937	46	15,021	,000
Subject Field - Biomedicine	2,790	2	,604	46	4,623	,015
Subject Field - Human Medicine	11,679	2	1,091	46	10,703	,000
Subject Field - Chemistry	5,474	2	1,569	46	3,490	,039
Subject Field - Clinical Studies	32,209	2	,723	46	44,552	,000
Subject Field - Competitor Information	4,280	2	1,599	46	2,676	,080
Subject Field - Economics	,146	2	1,375	46	,106	,899
Subject Field - Life Sciences	1,344	2	,698	46	1,926	,157
Subject Field - Biotechnology	2,345	2	,536	46	4,374	,018
Subject Field - Pharmacy	20,255	2	,641	46	31,594	,000
Subject Field - Drugs	21,213	2	,695	46	30,510	,000
Subject Field - Pharmacology	36,719	2	,340	46	108,109	,000
Subject Field - Medical Devices	3,809	2	1,651	46	2,307	,111
Subject Field - Medical Chemistry	9,652	2	1,361	46	7,091	,002
Subject Field - Toxicology	26,317	2	,731	46	36,016	,000
Subject Field - Physics	7,600	2	,948	46	8,016	,001
Subject Field - Health Politics	3,419	2	1,291	46	2,649	,081

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	13,000
	3	19,000
Gültig		49,000
Fehlend		,000

## Diskriminanzanalyse

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

### Warnungen

Das gestapelte Histogramm aller Gruppen wird nicht länger angezeigt.

### Analyse der verarbeiteten Fälle.

Ungewichtete Fälle	N	Prozent
Gültig	49	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	49	100,0

### Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
1	Subject Field - Diagnostics	2,44	1,153	16	16,000
	Subject Field - Biomedicine	3,38	,885	16	16,000
	Subject Field - Human Medicine	3,56	,814	16	16,000
	Subject Field - Chemistry	2,56	1,153	16	16,000
	Subject Field - Clinical Studies	3,19	,834	16	16,000
	Subject Field - Competitor Information	2,94	1,289	16	16,000
	Subject Field - Economics	2,00	1,265	16	16,000
	Subject Field - Life Sciences	3,63	,500	16	16,000
	Subject Field - Biotechnology	3,63	,619	16	16,000
	Subject Field - Pharmacy	3,56	,629	16	16,000
	Subject Field - Drugs	3,63	,619	16	16,000
	Subject Field - Pharmacology	3,44	,814	16	16,000
	Subject Field - Medical Devices	2,13	1,147	16	16,000
	Subject Field - Medical Chemistry	2,88	1,025	16	16,000
	Subject Field - Toxicology	3,00	1,095	16	16,000
	Subject Field - Physics	1,38	1,088	16	16,000
	Subject Field - Health Politics	1,75	1,342	16	16,000

### Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
2	Subject Field - Diagnostics	3,09	1,208	33	33,000
	Subject Field - Biomedicine	3,09	,805	33	33,000
	Subject Field - Human Medicine	2,33	1,216	33	33,000
	Subject Field - Chemistry	2,24	1,393	33	33,000
	Subject Field - Clinical Studies	1,30	1,237	33	33,000
	Subject Field - Competitor Information	2,21	1,269	33	33,000
	Subject Field - Economics	1,61	1,088	33	33,000
	Subject Field - Life Sciences	3,18	,950	33	33,000
	Subject Field - Biotechnology	2,97	,770	33	33,000
	Subject Field - Pharmacy	1,67	,890	33	33,000
	Subject Field - Drugs	1,67	,924	33	33,000
	Subject Field - Pharmacology	,94	,609	33	33,000
	Subject Field - Medical Devices	1,55	1,371	33	33,000
	Subject Field - Medical Chemistry	1,64	1,245	33	33,000
	Subject Field - Toxicology	,79	,696	33	33,000
	Subject Field - Physics	,91	1,100	33	33,000
	Subject Field - Health Politics	1,33	1,080	33	33,000
	Gesamt	Subject Field - Diagnostics	2,88	1,218	49
Subject Field - Biomedicine		3,18	,834	49	49,000
Subject Field - Human Medicine		2,73	1,238	49	49,000
Subject Field - Chemistry		2,35	1,316	49	49,000
Subject Field - Clinical Studies		1,92	1,426	49	49,000
Subject Field - Competitor Information		2,45	1,308	49	49,000
Subject Field - Economics		1,73	1,151	49	49,000
Subject Field - Life Sciences		3,33	,851	49	49,000
Subject Field - Biotechnology		3,18	,782	49	49,000
Subject Field - Pharmacy		2,29	1,208	49	49,000
Subject Field - Drugs		2,31	1,245	49	49,000
Subject Field - Pharmacology		1,76	1,362	49	49,000
Subject Field - Medical Devices		1,73	1,319	49	49,000
Subject Field - Medical Chemistry		2,04	1,306	49	49,000
Subject Field - Toxicology		1,51	1,340	49	49,000
Subject Field - Physics		1,06	1,107	49	49,000
Subject Field - Health Politics		1,47	1,174	49	49,000

### Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
Subject Field - Diagnostics	,935	3,243	1	47	,078
Subject Field - Biomedicine	,974	1,259	1	47	,268
Subject Field - Human Medicine	,779	13,361	1	47	,001
Subject Field - Chemistry	,987	,633	1	47	,430
Subject Field - Clinical Studies	,608	30,274	1	47	,000
Subject Field - Competitor Information	,931	3,486	1	47	,068
Subject Field - Economics	,974	1,270	1	47	,265
Subject Field - Life Sciences	,939	3,046	1	47	,087
Subject Field - Biotechnology	,842	8,798	1	47	,005
Subject Field - Pharmacy	,447	58,210	1	47	,000
Subject Field - Drugs	,445	58,708	1	47	,000
Subject Field - Pharmacology	,245	144,869	1	47	,000
Subject Field - Medical Devices	,957	2,128	1	47	,151
Subject Field - Medical Chemistry	,798	11,883	1	47	,001
Subject Field - Toxicology	,389	73,946	1	47	,000
Subject Field - Physics	,960	1,947	1	47	,170
Subject Field - Health Politics	,972	1,367	1	47	,248

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine	Subject Field - Chemistry
Kovarianz	Subject Field - Diagnostics	1,418	,257	,257	,326
	Subject Field - Biomedicine	,257	,691	,311	,125
	Subject Field - Human Medicine	,257	,311	1,219	-,420
	Subject Field - Chemistry	,326	,125	-,420	1,745
	Subject Field - Clinical Studies	,059	,169	,680	-,279
	Subject Field - Competitor Information	-,047	,058	-,016	,082
	Subject Field - Economics	,046	-,145	-,163	,365
	Subject Field - Life Sciences	-,041	,313	-,013	,360
	Subject Field - Biotechnology	-,027	,199	-,113	,141
	Subject Field - Pharmacy	-,041	-,029	,183	,077
	Subject Field - Drugs	-,285	-,037	,107	,043
	Subject Field - Pharmacology	-,104	,076	,228	-,095
	Subject Field - Medical Devices	,308	-,029	-,173	,266
	Subject Field - Medical Chemistry	,340	,252	,066	,916
	Subject Field - Toxycology	-,221	,035	,241	-,006
	Subject Field - Physics	,418	,192	-,242	,667
	Subject Field - Health Politics	,420	-,053	-,073	,459
	Korrelation	Subject Field - Diagnostics	1,000	,260	,195
Subject Field - Biomedicine		,260	1,000	,339	,114
Subject Field - Human Medicine		,195	,339	1,000	-,288
Subject Field - Chemistry		,207	,114	-,288	1,000
Subject Field - Clinical Studies		,044	,181	,548	-,188
Subject Field - Competitor Information		-,031	,055	-,012	,049
Subject Field - Economics		,034	-,152	-,129	,241
Subject Field - Life Sciences		-,041	,452	-,014	,327
Subject Field - Biotechnology		-,032	,330	-,141	,147
Subject Field - Pharmacy		-,042	-,043	,203	,071
Subject Field - Drugs		-,285	-,053	,116	,039
Subject Field - Pharmacology		-,128	,134	,304	-,105
Subject Field - Medical Devices		,198	-,027	-,120	,155
Subject Field - Medical Chemistry		,242	,257	,051	,588
Subject Field - Toxycology		-,219	,050	,259	-,006
Subject Field - Physics		,320	,211	-,200	,461
Subject Field - Health Politics		,302	-,055	-,056	,297

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Clinical Studies	Subject Field - Competitor Information	Subject Field - Economics	Subject Field - Life Sciences
Kovarianz	Subject Field - Diagnostics	,059	-,047	,046	-,041
	Subject Field - Biomedicine	,169	,058	-,145	,313
	Subject Field - Human Medicine	,680	-,016	-,163	-,013
	Subject Field - Chemistry	-,279	,082	,365	,360
	Subject Field - Clinical Studies	1,264	,512	,020	-,121
	Subject Field - Competitor Information	,512	1,627	,505	-,205
	Subject Field - Economics	,020	,505	1,317	-,077
	Subject Field - Life Sciences	-,121	-,205	-,077	,695
	Subject Field - Biotechnology	-,182	,060	-,008	,318
	Subject Field - Pharmacy	,056	-,194	,099	-,077
	Subject Field - Drugs	,244	-,001	,142	-,112
	Subject Field - Pharmacology	,453	,189	,026	-,022
	Subject Field - Medical Devices	-,188	,028	,002	-,160
	Subject Field - Medical Chemistry	,192	,222	,240	,201
	Subject Field - Toxycology	,322	,074	,069	-,015
	Subject Field - Physics	-,366	,085	,209	,230
	Subject Field - Health Politics	,009	,285	,582	,074
Korrelation	Subject Field - Diagnostics	,044	-,031	,034	-,041
	Subject Field - Biomedicine	,181	,055	-,152	,452
	Subject Field - Human Medicine	,548	-,012	-,129	-,014
	Subject Field - Chemistry	-,188	,049	,241	,327
	Subject Field - Clinical Studies	1,000	,357	,015	-,129
	Subject Field - Competitor Information	,357	1,000	,345	-,193
	Subject Field - Economics	,015	,345	1,000	-,081
	Subject Field - Life Sciences	-,129	-,193	-,081	1,000
	Subject Field - Biotechnology	-,224	,065	-,010	,526
	Subject Field - Pharmacy	,061	-,186	,106	-,113
	Subject Field - Drugs	,258	-,001	,147	-,160
	Subject Field - Pharmacology	,591	,217	,033	-,038
	Subject Field - Medical Devices	-,128	,017	,001	-,147
	Subject Field - Medical Chemistry	,145	,147	,177	,204
	Subject Field - Toxycology	,339	,069	,071	-,022
	Subject Field - Physics	-,297	,061	,166	,251
	Subject Field - Health Politics	,007	,191	,433	,076

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Biotechnology	Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
Kovarianz	Subject Field - Diagnostics	-,027	-,041	-,285	-,104
	Subject Field - Biomedicine	,199	-,029	-,037	,076
	Subject Field - Human Medicine	-,113	,183	,107	,228
	Subject Field - Chemistry	,141	,077	,043	-,095
	Subject Field - Clinical Studies	-,182	,056	,244	,453
	Subject Field - Competitor Information	,060	-,194	-,001	,189
	Subject Field - Economics	-,008	,099	,142	,026
	Subject Field - Life Sciences	,318	-,077	-,112	-,022
	Subject Field - Biotechnology	,526	-,020	-,119	-,009
	Subject Field - Pharmacy	-,020	,665	,334	,200
	Subject Field - Drugs	-,119	,334	,704	,233
	Subject Field - Pharmacology	-,009	,200	,233	,464
	Subject Field - Medical Devices	-,058	,231	,101	-,017
	Subject Field - Medical Chemistry	,168	,194	,176	,152
	Subject Field - Toxicology	,017	,184	,206	,395
	Subject Field - Physics	,152	-,136	-,293	-,251
	Subject Field - Health Politics	,103	-,002	,004	,009
	Korrelation	Subject Field - Diagnostics	-,032	-,042	-,285
Subject Field - Biomedicine		,330	-,043	-,053	,134
Subject Field - Human Medicine		-,141	,203	,116	,304
Subject Field - Chemistry		,147	,071	,039	-,105
Subject Field - Clinical Studies		-,224	,061	,258	,591
Subject Field - Competitor Information		,065	-,186	-,001	,217
Subject Field - Economics		-,010	,106	,147	,033
Subject Field - Life Sciences		,526	-,113	-,160	-,038
Subject Field - Biotechnology		1,000	-,034	-,195	-,019
Subject Field - Pharmacy		-,034	1,000	,488	,360
Subject Field - Drugs		-,195	,488	1,000	,408
Subject Field - Pharmacology		-,019	,360	,408	1,000
Subject Field - Medical Devices		-,061	,218	,092	-,019
Subject Field - Medical Chemistry		,196	,202	,177	,189
Subject Field - Toxicology		,027	,268	,290	,687
Subject Field - Physics		,192	-,152	-,318	-,336
Subject Field - Health Politics		,121	-,002	,004	,011

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxicology
Kovarianz	Subject Field - Diagnostics	,308	,340	-,221
	Subject Field - Biomedicine	-,029	,252	,035
	Subject Field - Human Medicine	-,173	,066	,241
	Subject Field - Chemistry	,266	,916	-,006
	Subject Field - Clinical Studies	-,188	,192	,322
	Subject Field - Competitor Information	,028	,222	,074
	Subject Field - Economics	,002	,240	,069
	Subject Field - Life Sciences	-,160	,201	-,015
	Subject Field - Biotechnology	-,058	,168	,017
	Subject Field - Pharmacy	,231	,194	,184
	Subject Field - Drugs	,101	,176	,206
	Subject Field - Pharmacology	-,017	,152	,395
	Subject Field - Medical Devices	1,701	,485	-,089
	Subject Field - Medical Chemistry	,485	1,391	,222
	Subject Field - Toxicology	-,089	,222	,713
	Subject Field - Physics	,444	,291	-,184
	Subject Field - Health Politics	,223	,521	,177
	Korrelation	Subject Field - Diagnostics	,198	,242
Subject Field - Biomedicine		-,027	,257	,050
Subject Field - Human Medicine		-,120	,051	,259
Subject Field - Chemistry		,155	,588	-,006
Subject Field - Clinical Studies		-,128	,145	,339
Subject Field - Competitor Information		,017	,147	,069
Subject Field - Economics		,001	,177	,071
Subject Field - Life Sciences		-,147	,204	-,022
Subject Field - Biotechnology		-,061	,196	,027
Subject Field - Pharmacy		,218	,202	,268
Subject Field - Drugs		,092	,177	,290
Subject Field - Pharmacology		-,019	,189	,687
Subject Field - Medical Devices		1,000	,315	-,081
Subject Field - Medical Chemistry		,315	1,000	,223
Subject Field - Toxicology		-,081	,223	1,000
Subject Field - Physics		,311	,225	-,199
Subject Field - Health Politics		,146	,378	,179



**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Physics	Subject Field - Health Politics	
Kovarianz	Subject Field - Diagnostics	,418	,420	
	Subject Field - Biomedicine	,192	-,053	
	Subject Field - Human Medicine	-,242	-,073	
	Subject Field - Chemistry	,667	,459	
	Subject Field - Clinical Studies	-,366	,009	
	Subject Field - Competitor Information	,085	,285	
	Subject Field - Economics	,209	,582	
	Subject Field - Life Sciences	,230	,074	
	Subject Field - Biotechnology	,152	,103	
	Subject Field - Pharmacy	-,136	-,002	
	Subject Field - Drugs	-,293	,004	
	Subject Field - Pharmacology	-,251	,009	
	Subject Field - Medical Devices	,444	,223	
	Subject Field - Medical Chemistry	,291	,521	
	Subject Field - Toxycology	-,184	,177	
	Subject Field - Physics	1,202	,500	
	Subject Field - Health Politics	,500	1,369	
	Korrelation	Subject Field - Diagnostics	,320	,302
		Subject Field - Biomedicine	,211	-,055
Subject Field - Human Medicine		-,200	-,056	
Subject Field - Chemistry		,461	,297	
Subject Field - Clinical Studies		-,297	,007	
Subject Field - Competitor Information		,061	,191	
Subject Field - Economics		,166	,433	
Subject Field - Life Sciences		,251	,076	
Subject Field - Biotechnology		,192	,121	
Subject Field - Pharmacy		-,152	-,002	
Subject Field - Drugs		-,318	,004	
Subject Field - Pharmacology		-,336	,011	
Subject Field - Medical Devices		,311	,146	
Subject Field - Medical Chemistry		,225	,378	
Subject Field - Toxycology		-,199	,179	
Subject Field - Physics		1,000	,390	
Subject Field - Health Politics		,390	1,000	

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 47.

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine
1	Subject Field - Diagnostics	1,329	,692	,604
	Subject Field - Biomedicine	,692	,783	,442
	Subject Field - Human Medicine	,604	,442	,663
	Subject Field - Chemistry	-,263	-,158	-,204
	Subject Field - Clinical Studies	,513	,325	,421
	Subject Field - Competitor Information	-,371	,025	-,029
	Subject Field - Economics	-,533	-,200	-,333
	Subject Field - Life Sciences	,175	,150	-,042
	Subject Field - Biotechnology	,042	,217	,092
	Subject Field - Pharmacy	,338	,242	,196
	Subject Field - Drugs	-,025	-,050	,092
	Subject Field - Pharmacology	,396	,225	,338
	Subject Field - Medical Devices	,608	,417	,392
	Subject Field - Medical Chemistry	,258	,450	,275
	Subject Field - Toxicology	,067	,067	,200
	Subject Field - Physics	,158	,317	-,025
	Subject Field - Health Politics	,050	,033	-,250

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine
2	Subject Field - Diagnostics	1,460	,054	,094
	Subject Field - Biomedicine	,054	,648	,250
	Subject Field - Human Medicine	,094	,250	1,479
	Subject Field - Chemistry	,602	,259	-,521
	Subject Field - Clinical Studies	-,153	,097	,802
	Subject Field - Competitor Information	,105	,074	-,010
	Subject Field - Economics	,318	-,119	-,083
	Subject Field - Life Sciences	-,142	,389	,000
	Subject Field - Biotechnology	-,060	,190	-,208
	Subject Field - Pharmacy	-,219	-,156	,177
	Subject Field - Drugs	-,406	-,031	,115
	Subject Field - Pharmacology	-,338	,006	,177
	Subject Field - Medical Devices	,168	-,239	-,438
	Subject Field - Medical Chemistry	,378	,159	-,031
	Subject Field - Toxicology	-,355	,020	,260
	Subject Field - Physics	,540	,134	-,344
	Subject Field - Health Politics	,594	-,094	,010
Gesamt	Subject Field - Diagnostics	1,485	,210	,071
	Subject Field - Biomedicine	,210	,695	,383
	Subject Field - Human Medicine	,071	,383	1,532
	Subject Field - Chemistry	,273	,143	-,323
	Subject Field - Clinical Studies	-,219	,286	1,186
	Subject Field - Competitor Information	-,152	,103	,184
	Subject Field - Economics	-,012	-,117	-,051
	Subject Field - Life Sciences	-,105	,335	,109
	Subject Field - Biotechnology	-,123	,236	,071
	Subject Field - Pharmacy	-,318	,092	,702
	Subject Field - Drugs	-,566	,088	,645
	Subject Field - Pharmacology	-,468	,233	,913
	Subject Field - Medical Devices	,217	,008	-,009
	Subject Field - Medical Chemistry	,151	,326	,407
	Subject Field - Toxicology	-,540	,175	,847
	Subject Field - Physics	,341	,218	-,108
	Subject Field - Health Politics	,350	-,026	,044

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Chemistry	Subject Field - Clinical Studies	Subject Field - Competitor Information
1	Subject Field - Diagnostics	-,263	,513	-,371
	Subject Field - Biomedicine	-,158	,325	,025
	Subject Field - Human Medicine	-,204	,421	-,029
	Subject Field - Chemistry	1,329	,088	,571
	Subject Field - Clinical Studies	,088	,696	,013
	Subject Field - Competitor Information	,571	,013	1,663
	Subject Field - Economics	,667	-,400	,467
	Subject Field - Life Sciences	,092	,008	-,292
	Subject Field - Biotechnology	-,108	-,058	,108
	Subject Field - Pharmacy	,129	,154	-,163
	Subject Field - Drugs	,225	,142	-,025
	Subject Field - Pharmacology	,138	,513	,163
	Subject Field - Medical Devices	-,008	,242	-,258
	Subject Field - Medical Chemistry	,475	,492	,525
	Subject Field - Toxicology	,533	,467	,467
	Subject Field - Physics	,308	-,208	,225
	Subject Field - Health Politics	,883	,183	,983

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Chemistry	Subject Field - Clinical Studies	Subject Field - Competitor Information
2	Subject Field - Diagnostics	,602	-,153	,105
	Subject Field - Biomedicine	,259	,097	,074
	Subject Field - Human Medicine	-,521	,802	-,010
	Subject Field - Chemistry	1,939	-,451	-,147
	Subject Field - Clinical Studies	-,451	1,530	,746
	Subject Field - Competitor Information	-,147	,746	1,610
	Subject Field - Economics	,223	,217	,524
	Subject Field - Life Sciences	,486	-,182	-,165
	Subject Field - Biotechnology	,258	-,241	,038
	Subject Field - Pharmacy	,052	,010	-,208
	Subject Field - Drugs	-,042	,292	,010
	Subject Field - Pharmacology	-,204	,425	,201
	Subject Field - Medical Devices	,395	-,389	,162
	Subject Field - Medical Chemistry	1,122	,051	,080
	Subject Field - Toxicology	-,259	,254	-,110
	Subject Field - Physics	,835	-,440	,020
	Subject Field - Health Politics	,260	-,073	-,042
Gesamt	Subject Field - Diagnostics	,273	-,219	-,152
	Subject Field - Biomedicine	,143	,286	,103
	Subject Field - Human Medicine	-,323	1,186	,184
	Subject Field - Chemistry	1,731	-,138	,133
	Subject Field - Clinical Studies	-,138	2,035	,808
	Subject Field - Competitor Information	,133	,808	1,711
	Subject Field - Economics	,386	,186	,559
	Subject Field - Life Sciences	,384	,069	-,129
	Subject Field - Biotechnology	,185	,099	,166
	Subject Field - Pharmacy	,211	,857	,119
	Subject Field - Drugs	,183	1,067	,318
	Subject Field - Pharmacology	,087	1,500	,591
	Subject Field - Medical Devices	,302	,061	,122
	Subject Field - Medical Chemistry	,986	,712	,419
	Subject Field - Toxicology	,153	1,251	,433
	Subject Field - Physics	,687	-,162	,159
	Subject Field - Health Politics	,480	,185	,347

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Economics	Subject Field - Life Sciences	Subject Field - Biotechnology
1	Subject Field - Diagnostics	-,533	,175	,042
	Subject Field - Biomedicine	-,200	,150	,217
	Subject Field - Human Medicine	-,333	-,042	,092
	Subject Field - Chemistry	,667	,092	-,108
	Subject Field - Clinical Studies	-,400	,008	-,058
	Subject Field - Competitor Information	,467	-,292	,108
	Subject Field - Economics	1,600	,067	,067
	Subject Field - Life Sciences	,067	,250	,050
	Subject Field - Biotechnology	,067	,050	,383
	Subject Field - Pharmacy	,133	,158	,158
	Subject Field - Drugs	,333	-,017	-,017
	Subject Field - Pharmacology	-,333	-,025	,108
	Subject Field - Medical Devices	-,200	,050	,050
	Subject Field - Medical Chemistry	,067	,017	,217
	Subject Field - Toxicology	,000	-,067	,267
	Subject Field - Physics	,467	,150	,150
	Subject Field - Health Politics	,867	,033	,033

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Economics	Subject Field - Life Sciences	Subject Field - Biotechnology
2	Subject Field - Diagnostics	,318	-,142	-,060
	Subject Field - Biomedicine	-,119	,389	,190
	Subject Field - Human Medicine	-,083	,000	-,208
	Subject Field - Chemistry	,223	,486	,258
	Subject Field - Clinical Studies	,217	-,182	-,241
	Subject Field - Competitor Information	,524	-,165	,038
	Subject Field - Economics	1,184	-,145	-,044
	Subject Field - Life Sciences	-,145	,903	,443
	Subject Field - Biotechnology	-,044	,443	,593
	Subject Field - Pharmacy	,083	-,188	-,104
	Subject Field - Drugs	,052	-,156	-,167
	Subject Field - Pharmacology	,194	-,020	-,064
	Subject Field - Medical Devices	,097	-,259	-,108
	Subject Field - Medical Chemistry	,321	,287	,145
	Subject Field - Toxicology	,101	,009	-,100
	Subject Field - Physics	,088	,267	,153
	Subject Field - Health Politics	,448	,094	,135
	Gesamt	Subject Field - Diagnostics	-,012	-,105
Subject Field - Biomedicine		-,117	,335	,236
Subject Field - Human Medicine		-,051	,109	,071
Subject Field - Chemistry		,386	,384	,185
Subject Field - Clinical Studies		,186	,069	,099
Subject Field - Competitor Information		,559	-,129	,166
Subject Field - Economics		1,324	-,037	,050
Subject Field - Life Sciences		-,037	,724	,376
Subject Field - Biotechnology		,050	,376	,611
Subject Field - Pharmacy		,265	,113	,259
Subject Field - Drugs		,312	,085	,172
Subject Field - Pharmacology		,246	,227	,358
Subject Field - Medical Devices		,053	-,099	,029
Subject Field - Medical Chemistry		,344	,320	,347
Subject Field - Toxicology		,263	,205	,342
Subject Field - Physics		,246	,271	,218
Subject Field - Health Politics		,606	,114	,162

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
1	Subject Field - Diagnostics	,338	-,025	,396
	Subject Field - Biomedicine	,242	-,050	,225
	Subject Field - Human Medicine	,196	,092	,338
	Subject Field - Chemistry	,129	,225	,138
	Subject Field - Clinical Studies	,154	,142	,513
	Subject Field - Competitor Information	-,163	-,025	,163
	Subject Field - Economics	,133	,333	-,333
	Subject Field - Life Sciences	,158	-,017	-,025
	Subject Field - Biotechnology	,158	-,017	,108
	Subject Field - Pharmacy	,396	,158	,271
	Subject Field - Drugs	,158	,383	,175
	Subject Field - Pharmacology	,271	,175	,663
	Subject Field - Medical Devices	,125	-,217	,075
	Subject Field - Medical Chemistry	,142	,083	,458
	Subject Field - Toxicology	,267	,267	,733
	Subject Field - Physics	,042	-,250	-,242
	Subject Field - Health Politics	,083	,167	,250



Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
2	Subject Field - Diagnostics	-,219	-,406	-,338
	Subject Field - Biomedicine	-,156	-,031	,006
	Subject Field - Human Medicine	,177	,115	,177
	Subject Field - Chemistry	,052	-,042	-,204
	Subject Field - Clinical Studies	,010	,292	,425
	Subject Field - Competitor Information	-,208	,010	,201
	Subject Field - Economics	,083	,052	,194
	Subject Field - Life Sciences	-,188	-,156	-,020
	Subject Field - Biotechnology	-,104	-,167	-,064
	Subject Field - Pharmacy	,792	,417	,167
	Subject Field - Drugs	,417	,854	,260
	Subject Field - Pharmacology	,167	,260	,371
	Subject Field - Medical Devices	,281	,250	-,060
	Subject Field - Medical Chemistry	,219	,219	,009
	Subject Field - Toxicology	,146	,177	,237
	Subject Field - Physics	-,219	-,313	-,256
	Subject Field - Health Politics	-,042	-,073	-,104
	Gesamt	Subject Field - Diagnostics	-,318	-,566
Subject Field - Biomedicine		,092	,088	,233
Subject Field - Human Medicine		,702	,645	,913
Subject Field - Chemistry		,211	,183	,087
Subject Field - Clinical Studies		,857	1,067	1,500
Subject Field - Competitor Information		,119	,318	,591
Subject Field - Economics		,265	,312	,246
Subject Field - Life Sciences		,113	,085	,227
Subject Field - Biotechnology		,259	,172	,358
Subject Field - Pharmacy		1,458	1,161	1,259
Subject Field - Drugs		1,161	1,550	1,327
Subject Field - Pharmacology		1,259	1,327	1,855
Subject Field - Medical Devices		,473	,354	,309
Subject Field - Medical Chemistry		,717	,716	,844
Subject Field - Toxicology		1,122	1,174	1,628
Subject Field - Physics		,065	-,082	,015
Subject Field - Health Politics		,176	,187	,242

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxycology
1	Subject Field - Diagnostics	,608	,258	,067
	Subject Field - Biomedicine	,417	,450	,067
	Subject Field - Human Medicine	,392	,275	,200
	Subject Field - Chemistry	-,008	,475	,533
	Subject Field - Clinical Studies	,242	,492	,467
	Subject Field - Competitor Information	-,258	,525	,467
	Subject Field - Economics	-,200	,067	,000
	Subject Field - Life Sciences	,050	,017	-,067
	Subject Field - Biotechnology	,050	,217	,267
	Subject Field - Pharmacy	,125	,142	,267
	Subject Field - Drugs	-,217	,083	,267
	Subject Field - Pharmacology	,075	,458	,733
	Subject Field - Medical Devices	1,317	,550	,133
	Subject Field - Medical Chemistry	,550	1,050	,800
	Subject Field - Toxycology	,133	,800	1,200
	Subject Field - Physics	,683	,450	-,133
	Subject Field - Health Politics	,100	,833	,667

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxicology
2	Subject Field - Diagnostics	,168	,378	-,355
	Subject Field - Biomedicine	-,239	,159	,020
	Subject Field - Human Medicine	-,438	-,031	,260
	Subject Field - Chemistry	,395	1,122	-,259
	Subject Field - Clinical Studies	-,389	,051	,254
	Subject Field - Competitor Information	,162	,080	-,110
	Subject Field - Economics	,097	,321	,101
	Subject Field - Life Sciences	-,259	,287	,009
	Subject Field - Biotechnology	-,108	,145	-,100
	Subject Field - Pharmacy	,281	,219	,146
	Subject Field - Drugs	,250	,219	,177
	Subject Field - Pharmacology	-,060	,009	,237
	Subject Field - Medical Devices	1,881	,455	-,193
	Subject Field - Medical Chemistry	,455	1,551	-,048
	Subject Field - Toxicology	-,193	-,048	,485
	Subject Field - Physics	,332	,216	-,207
	Subject Field - Health Politics	,281	,375	-,052
	Gesamt	Subject Field - Diagnostics	,217	,151
Subject Field - Biomedicine		,008	,326	,175
Subject Field - Human Medicine		-,009	,407	,847
Subject Field - Chemistry		,302	,986	,153
Subject Field - Clinical Studies		,061	,712	1,251
Subject Field - Competitor Information		,122	,419	,433
Subject Field - Economics		,053	,344	,263
Subject Field - Life Sciences		-,099	,320	,205
Subject Field - Biotechnology		,029	,347	,342
Subject Field - Pharmacy		,473	,717	1,122
Subject Field - Drugs		,354	,716	1,174
Subject Field - Pharmacology		,309	,844	1,628
Subject Field - Medical Devices		1,741	,636	,201
Subject Field - Medical Chemistry		,636	1,707	,833
Subject Field - Toxicology		,201	,833	1,797
Subject Field - Physics		,496	,414	,051
Subject Field - Health Politics		,273	,626	,381

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Physics	Subject Field - Health Politics
1	Subject Field - Diagnostics	,158	,050
	Subject Field - Biomedicine	,317	,033
	Subject Field - Human Medicine	-,025	-,250
	Subject Field - Chemistry	,308	,883
	Subject Field - Clinical Studies	-,208	,183
	Subject Field - Competitor Information	,225	,983
	Subject Field - Economics	,467	,867
	Subject Field - Life Sciences	,150	,033
	Subject Field - Biotechnology	,150	,033
	Subject Field - Pharmacy	,042	,083
	Subject Field - Drugs	-,250	,167
	Subject Field - Pharmacology	-,242	,250
	Subject Field - Medical Devices	,683	,100
	Subject Field - Medical Chemistry	,450	,833
	Subject Field - Toxicology	-,133	,667
	Subject Field - Physics	1,183	,633
	Subject Field - Health Politics	,633	1,800

### Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Physics	Subject Field - Health Politics
2	Subject Field - Diagnostics	,540	,594
	Subject Field - Biomedicine	,134	-,094
	Subject Field - Human Medicine	-,344	,010
	Subject Field - Chemistry	,835	,260
	Subject Field - Clinical Studies	-,440	-,073
	Subject Field - Competitor Information	,020	-,042
	Subject Field - Economics	,088	,448
	Subject Field - Life Sciences	,267	,094
	Subject Field - Biotechnology	,153	,135
	Subject Field - Pharmacy	-,219	-,042
	Subject Field - Drugs	-,313	-,073
	Subject Field - Pharmacology	-,256	-,104
	Subject Field - Medical Devices	,332	,281
	Subject Field - Medical Chemistry	,216	,375
	Subject Field - Toxicology	-,207	-,052
	Subject Field - Physics	1,210	,438
	Subject Field - Health Politics	,438	1,167
	Gesamt	Subject Field - Diagnostics	,341
Subject Field - Biomedicine		,218	-,026
Subject Field - Human Medicine		-,108	,044
Subject Field - Chemistry		,687	,480
Subject Field - Clinical Studies		-,162	,185
Subject Field - Competitor Information		,159	,347
Subject Field - Economics		,246	,606
Subject Field - Life Sciences		,271	,114
Subject Field - Biotechnology		,218	,162
Subject Field - Pharmacy		,065	,176
Subject Field - Drugs		-,082	,187
Subject Field - Pharmacology		,015	,242
Subject Field - Medical Devices		,496	,273
Subject Field - Medical Chemistry		,414	,626
Subject Field - Toxicology		,051	,381
Subject Field - Physics		1,225	,533
Subject Field - Health Politics		,533	1,379

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 48.

# Analyse 1

## Box-Test auf Gleichheit der Kovarianz-Matrizen

### Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	. <sup>a</sup>	. <sup>b</sup>
2	17	-7,595
Gemeinsam innerhalb der Gruppen	17	-6,804

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

a. Rang < 16

b. Zu wenig Fälle für Nicht-Singularität

### Textergebnisse<sup>a</sup>

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

a. Mit weniger als zwei nicht-singulären Gruppen-Kovarianz-Matrizen kann kein Test durchgeführt werden.

## Zusammenfassung der kanonischen Diskriminanzfunktionen

### Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	5,030 <sup>a</sup>	100,0	100,0	,913

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

### Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1	,166	69,176	17	,000

## Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion
	1
Subject Field - Diagnostics	,101
Subject Field - Biomedicine	-,386
Subject Field - Human Medicine	,141
Subject Field - Chemistry	-,140
Subject Field - Clinical Studies	-,020
Subject Field - Competitor Information	,043
Subject Field - Economics	-,059
Subject Field - Life Sciences	,140
Subject Field - Biotechnology	,271
Subject Field - Pharmacy	,132
Subject Field - Drugs	,414
Subject Field - Pharmacology	,799
Subject Field - Medical Devices	-,094
Subject Field - Medical Chemistry	,000
Subject Field - Toxicology	,032
Subject Field - Physics	,689
Subject Field - Health Politics	-,223

### Struktur-Matrix

	Funktion
	1
Subject Field - Pharmacology	,783
Subject Field - Toxicology	,559
Subject Field - Drugs	,498
Subject Field - Pharmacy	,496
Subject Field - Clinical Studies	,358
Subject Field - Human Medicine	,238
Subject Field - Medical Chemistry	,224
Subject Field - Biotechnology	,193
Subject Field - Competitor Information	,121
Subject Field - Diagnostics	-,117
Subject Field - Life Sciences	,114
Subject Field - Medical Devices	,095
Subject Field - Physics	,091
Subject Field - Health Politics	,076
Subject Field - Economics	,073
Subject Field - Biomedicine	,073
Subject Field - Chemistry	,052

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



## Kanonische Diskriminanzfunktionskoeffizienten

	Funktion
	1
Subject Field - Diagnostics	,085
Subject Field - Biomedicine	-,464
Subject Field - Human Medicine	,128
Subject Field - Chemistry	-,106
Subject Field - Clinical Studies	-,018
Subject Field - Competitor Information	,033
Subject Field - Economics	-,051
Subject Field - Life Sciences	,168
Subject Field - Biotechnology	,374
Subject Field - Pharmacy	,162
Subject Field - Drugs	,493
Subject Field - Pharmacology	1,173
Subject Field - Medical Devices	-,072
Subject Field - Medical Chemistry	,000
Subject Field - Toxicology	,038
Subject Field - Physics	,629
Subject Field - Health Politics	-,191
(Konstant)	-4,461

Nicht-standardisierte Koeffizienten

## Funktionen bei den Gruppen-Zentroiden

	Funktion
Cluster-Nr. des Falls	1
1	3,155
2	-1,530

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

## Klassifizierungsstatistiken

### Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet	49
Ausgeschlossen	0
Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet	49

### A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,500	16	16,000
2	,500	33	33,000
Gesamt	1,000	49	49,000

### Klassifizierungsfunktionskoeffizienten

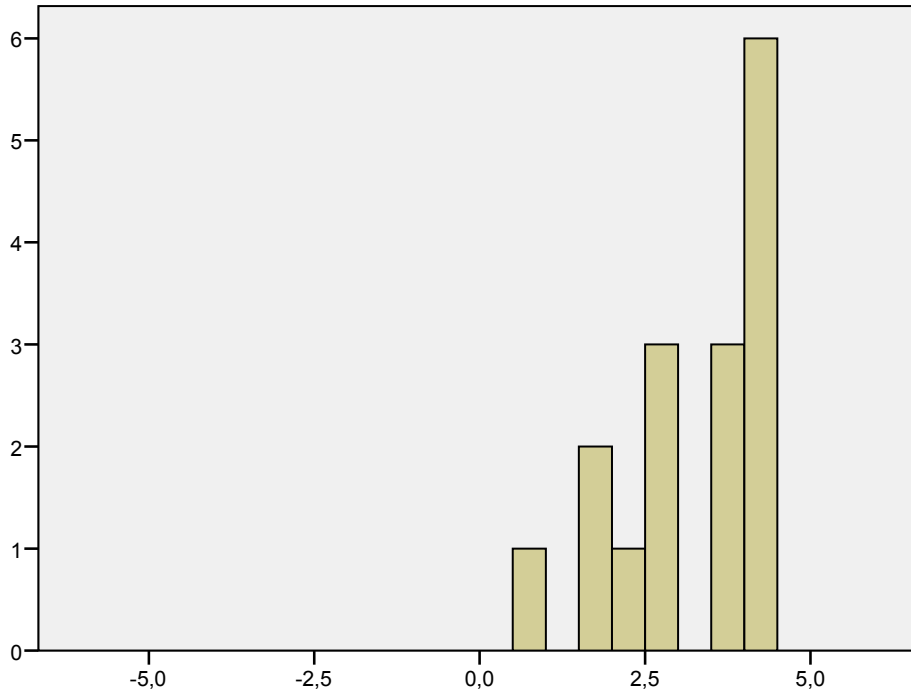
	Cluster-Nr. des Falls	
	1	2
Subject Field - Diagnostics	5,008	4,609
Subject Field - Biomedicine	-2,244	-,069
Subject Field - Human Medicine	1,733	1,135
Subject Field - Chemistry	,289	,785
Subject Field - Clinical Studies	,606	,689
Subject Field - Competitor Information	3,094	2,937
Subject Field - Economics	,627	,867
Subject Field - Life Sciences	7,093	6,305
Subject Field - Biotechnology	6,867	5,117
Subject Field - Pharmacy	2,641	1,881
Subject Field - Drugs	7,473	5,162
Subject Field - Pharmacology	,927	-4,566
Subject Field - Medical Devices	1,645	1,984
Subject Field - Medical Chemistry	-3,654	-3,653
Subject Field - Toxicology	3,543	3,366
Subject Field - Physics	1,583	-1,363
Subject Field - Health Politics	-2,104	-1,212
(Konstant)	-58,806	-34,104

Lineare Diskriminanzfunktionen nach Fisher

### Graphische Darstellung getrennter Gruppen

# Kanonische Diskriminanzfunktion 1

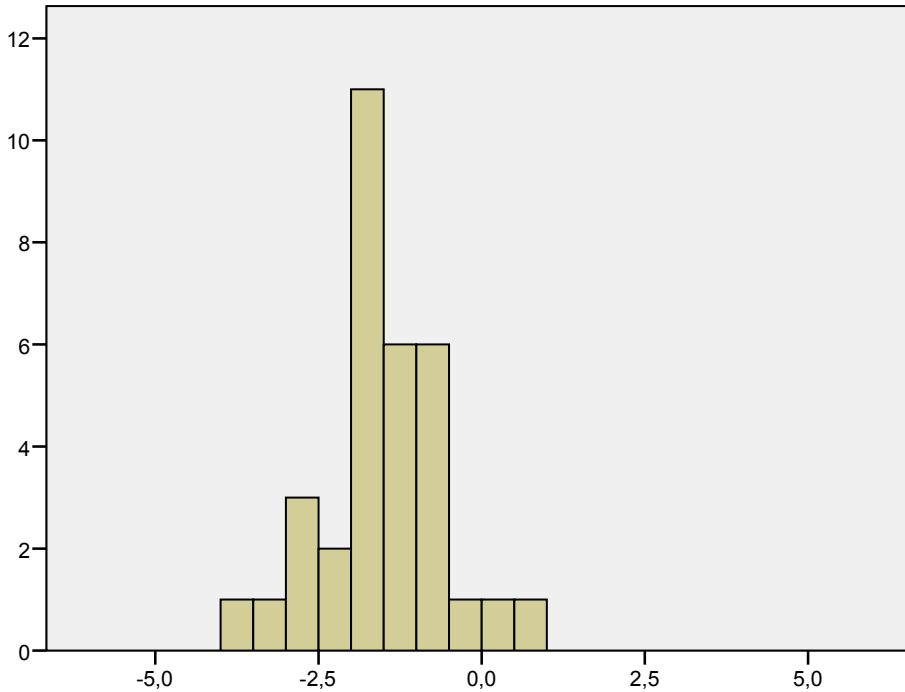
Cluster-Nr. des Falls = 1



Mittelwert = 3,15 □  
Std.-Abw. = 1,056 □  
N = 16

# Kanonische Diskriminanzfunktion 1

## Cluster-Nr. des Falls = 2



Mittelwert = -1,53  
 Std.-Abw. = 0,973  
 N = 33

### Klassifizierungsergebnisse<sup>b,c</sup>

			Vorhergesagte Gruppenzugehörigkeit		Gesamt
			1	2	
Original	Anzahl	1	16	0	16
		2	1	32	33
	%	1	100,0	,0	100,0
		2	3,0	97,0	100,0
Kreuzvalidiert <sup>a</sup>	Anzahl	1	13	3	16
		2	4	29	33
	%	1	81,3	18,8	100,0
		2	12,1	87,9	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. 98,0% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.
- c. 85,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

## Diskriminanzanalyse

[DatenSet8] \\RPZMS000362\U\_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss\_Kapitel\work report\_fertigeDateien\scientists results\User Analysis\Topic&Needs.sav

### Analyse der verarbeiteten Fälle.

Ungewichtete Fälle	N	Prozent
Gültig	49	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	49	100,0

### Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
1	Subject Field - Diagnostics	3,82	,529	17	17,000
	Subject Field - Biomedicine	3,18	,809	17	17,000
	Subject Field - Human Medicine	2,12	1,219	17	17,000
	Subject Field - Chemistry	2,88	1,453	17	17,000
	Subject Field - Clinical Studies	,53	,717	17	17,000
	Subject Field - Competitor Information	1,88	1,269	17	17,000
	Subject Field - Economics	1,65	,931	17	17,000
	Subject Field - Life Sciences	3,29	1,047	17	17,000
	Subject Field - Biotechnology	3,06	,827	17	17,000
	Subject Field - Pharmacy	1,53	1,007	17	17,000
	Subject Field - Drugs	1,29	,849	17	17,000
	Subject Field - Pharmacology	,59	,507	17	17,000
	Subject Field - Medical Devices	1,76	1,393	17	17,000
	Subject Field - Medical Chemistry	1,76	1,393	17	17,000
	Subject Field - Toxicology	,53	,800	17	17,000
	Subject Field - Physics	1,59	1,121	17	17,000
	Subject Field - Health Politics	1,76	1,091	17	17,000

### Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
2	Subject Field - Diagnostics	2,85	,801	13	13,000
	Subject Field - Biomedicine	3,69	,480	13	13,000
	Subject Field - Human Medicine	3,85	,376	13	13,000
	Subject Field - Chemistry	2,46	1,198	13	13,000
	Subject Field - Clinical Studies	3,46	,660	13	13,000
	Subject Field - Competitor Information	2,85	1,405	13	13,000
	Subject Field - Economics	1,85	1,214	13	13,000
	Subject Field - Life Sciences	3,69	,480	13	13,000
	Subject Field - Biotechnology	3,69	,630	13	13,000
	Subject Field - Pharmacy	3,77	,439	13	13,000
	Subject Field - Drugs	3,69	,480	13	13,000
	Subject Field - Pharmacology	3,69	,630	13	13,000
	Subject Field - Medical Devices	2,31	1,032	13	13,000
	Subject Field - Medical Chemistry	3,08	,954	13	13,000
	Subject Field - Toxicology	3,15	1,144	13	13,000
	Subject Field - Physics	1,38	1,044	13	13,000
	Subject Field - Health Politics	1,77	1,423	13	13,000

### Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
3	Subject Field - Diagnostics	2,05	1,311	19	19,000
	Subject Field - Biomedicine	2,84	,898	19	19,000
	Subject Field - Human Medicine	2,53	1,172	19	19,000
	Subject Field - Chemistry	1,79	1,084	19	19,000
	Subject Field - Clinical Studies	2,11	1,049	19	19,000
	Subject Field - Competitor Information	2,68	1,157	19	19,000
	Subject Field - Economics	1,74	1,327	19	19,000
	Subject Field - Life Sciences	3,11	,809	19	19,000
	Subject Field - Biotechnology	2,95	,705	19	19,000
	Subject Field - Pharmacy	1,95	,780	19	19,000
	Subject Field - Drugs	2,26	,991	19	19,000
	Subject Field - Pharmacology	1,47	,612	19	19,000
	Subject Field - Medical Devices	1,32	1,336	19	19,000
	Subject Field - Medical Chemistry	1,58	1,071	19	19,000
	Subject Field - Toxicology	1,26	,653	19	19,000
	Subject Field - Physics	,37	,761	19	19,000
	Subject Field - Health Politics	1,00	,943	19	19,000
	Gesamt	Subject Field - Diagnostics	2,88	1,218	49
Subject Field - Biomedicine		3,18	,834	49	49,000
Subject Field - Human Medicine		2,73	1,238	49	49,000
Subject Field - Chemistry		2,35	1,316	49	49,000
Subject Field - Clinical Studies		1,92	1,426	49	49,000
Subject Field - Competitor Information		2,45	1,308	49	49,000
Subject Field - Economics		1,73	1,151	49	49,000
Subject Field - Life Sciences		3,33	,851	49	49,000
Subject Field - Biotechnology		3,18	,782	49	49,000
Subject Field - Pharmacy		2,29	1,208	49	49,000
Subject Field - Drugs		2,31	1,245	49	49,000
Subject Field - Pharmacology		1,76	1,362	49	49,000
Subject Field - Medical Devices		1,73	1,319	49	49,000
Subject Field - Medical Chemistry		2,04	1,306	49	49,000
Subject Field - Toxicology		1,51	1,340	49	49,000
Subject Field - Physics		1,06	1,107	49	49,000
Subject Field - Health Politics		1,47	1,174	49	49,000

### Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
Subject Field - Diagnostics	,605	15,021	2	46	,000
Subject Field - Biomedicine	,833	4,623	2	46	,015
Subject Field - Human Medicine	,682	10,703	2	46	,000
Subject Field - Chemistry	,868	3,490	2	46	,039
Subject Field - Clinical Studies	,340	44,552	2	46	,000
Subject Field - Competitor Information	,896	2,676	2	46	,080
Subject Field - Economics	,995	,106	2	46	,899
Subject Field - Life Sciences	,923	1,926	2	46	,157
Subject Field - Biotechnology	,840	4,374	2	46	,018
Subject Field - Pharmacy	,421	31,594	2	46	,000
Subject Field - Drugs	,430	30,510	2	46	,000
Subject Field - Pharmacology	,175	108,109	2	46	,000
Subject Field - Medical Devices	,909	2,307	2	46	,111
Subject Field - Medical Chemistry	,764	7,091	2	46	,002
Subject Field - Toxicology	,390	36,016	2	46	,000
Subject Field - Physics	,742	8,016	2	46	,001
Subject Field - Health Politics	,897	2,649	2	46	,081



**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine	Subject Field - Chemistry
Kovarianz	Subject Field - Diagnostics	,937	,110	,229	-,092
	Subject Field - Biomedicine	,110	,604	,209	,056
	Subject Field - Human Medicine	,229	,209	1,091	-,299
	Subject Field - Chemistry	-,092	,056	-,299	1,569
	Subject Field - Clinical Studies	,335	,099	,452	,124
	Subject Field - Competitor Information	,123	,082	-,042	,292
	Subject Field - Economics	,019	-,138	-,108	,417
	Subject Field - Life Sciences	-,170	,265	-,027	,345
	Subject Field - Biotechnology	-,161	,140	-,135	,147
	Subject Field - Pharmacy	-,170	-,167	,065	,244
	Subject Field - Drugs	-,239	-,116	,004	,337
	Subject Field - Pharmacology	-,159	-,078	,054	,194
	Subject Field - Medical Devices	,078	-,133	-,219	,194
	Subject Field - Medical Chemistry	,106	,125	-,004	,943
	Subject Field - Toxycology	-,291	-,091	,122	,243
	Subject Field - Physics	-,062	,084	-,154	,442
	Subject Field - Health Politics	,105	-,135	-,022	,324
Korrelation	Subject Field - Diagnostics	1,000	,147	,226	-,076
	Subject Field - Biomedicine	,147	1,000	,257	,057
	Subject Field - Human Medicine	,226	,257	1,000	-,228
	Subject Field - Chemistry	-,076	,057	-,228	1,000
	Subject Field - Clinical Studies	,407	,151	,509	,117
	Subject Field - Competitor Information	,100	,084	-,032	,184
	Subject Field - Economics	,017	-,151	-,088	,284
	Subject Field - Life Sciences	-,211	,409	-,031	,330
	Subject Field - Biotechnology	-,227	,246	-,176	,160
	Subject Field - Pharmacy	-,219	-,268	,078	,244
	Subject Field - Drugs	-,296	-,179	,004	,322
	Subject Field - Pharmacology	-,282	-,172	,088	,266
	Subject Field - Medical Devices	,063	-,133	-,163	,121
	Subject Field - Medical Chemistry	,094	,138	-,003	,645
	Subject Field - Toxycology	-,351	-,137	,137	,227
	Subject Field - Physics	-,065	,111	-,152	,363
	Subject Field - Health Politics	,096	-,153	-,018	,228

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Clinical Studies	Subject Field - Competitor Information	Subject Field - Economics	Subject Field - Life Sciences
Kovarianz	Subject Field - Diagnostics	,335	,123	,019	-,170
	Subject Field - Biomedicine	,099	,082	-,138	,265
	Subject Field - Human Medicine	,452	-,042	-,108	-,027
	Subject Field - Chemistry	,124	,292	,417	,345
	Subject Field - Clinical Studies	,723	,361	,101	-,087
	Subject Field - Competitor Information	,361	1,599	,552	-,161
	Subject Field - Economics	,101	,552	1,375	-,051
	Subject Field - Life Sciences	-,087	-,161	-,051	,698
	Subject Field - Biotechnology	-,165	,113	,032	,317
	Subject Field - Pharmacy	-,115	-,168	,205	-,075
	Subject Field - Drugs	-,007	-,031	,249	-,070
	Subject Field - Pharmacology	,144	,183	,158	-,003
	Subject Field - Medical Devices	-,138	,110	,039	-,201
	Subject Field - Medical Chemistry	,185	,308	,318	,181
	Subject Field - Toxycology	,104	,086	,191	,010
	Subject Field - Physics	,014	,308	,264	,193
	Subject Field - Health Politics	,250	,436	,633	,049
	Korrelation	Subject Field - Diagnostics	,407	,100	,017
Subject Field - Biomedicine		,151	,084	-,151	,409
Subject Field - Human Medicine		,509	-,032	-,088	-,031
Subject Field - Chemistry		,117	,184	,284	,330
Subject Field - Clinical Studies		1,000	,336	,101	-,123
Subject Field - Competitor Information		,336	1,000	,372	-,152
Subject Field - Economics		,101	,372	1,000	-,052
Subject Field - Life Sciences		-,123	-,152	-,052	1,000
Subject Field - Biotechnology		-,265	,122	,037	,518
Subject Field - Pharmacy		-,168	-,166	,219	-,113
Subject Field - Drugs		-,010	-,030	,255	-,101
Subject Field - Pharmacology		,290	,248	,232	-,005
Subject Field - Medical Devices		-,127	,067	,026	-,187
Subject Field - Medical Chemistry		,186	,209	,233	,186
Subject Field - Toxycology		,143	,079	,191	,013
Subject Field - Physics		,017	,250	,231	,237
Subject Field - Health Politics		,259	,304	,475	,052

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Biotechnology	Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
Kovarianz	Subject Field - Diagnostics	-,161	-,170	-,239	-,159
	Subject Field - Biomedicine	,140	-,167	-,116	-,078
	Subject Field - Human Medicine	-,135	,065	,004	,054
	Subject Field - Chemistry	,147	,244	,337	,194
	Subject Field - Clinical Studies	-,165	-,115	-,007	,144
	Subject Field - Competitor Information	,113	-,168	-,031	,183
	Subject Field - Economics	,032	,205	,249	,158
	Subject Field - Life Sciences	,317	-,075	-,070	-,003
	Subject Field - Biotechnology	,536	-,011	-,071	,014
	Subject Field - Pharmacy	-,011	,641	,341	,136
	Subject Field - Drugs	-,071	,341	,695	,184
	Subject Field - Pharmacology	,014	,136	,184	,340
	Subject Field - Medical Devices	-,092	,203	,148	-,027
	Subject Field - Medical Chemistry	,155	,172	,230	,140
	Subject Field - Toxycology	,051	,173	,210	,347
	Subject Field - Physics	,137	-,017	-,027	-,014
	Subject Field - Health Politics	,094	,074	,179	,162
	Korrelation	Subject Field - Diagnostics	-,227	-,219	-,296
Subject Field - Biomedicine		,246	-,268	-,179	-,172
Subject Field - Human Medicine		-,176	,078	,004	,088
Subject Field - Chemistry		,160	,244	,322	,266
Subject Field - Clinical Studies		-,265	-,168	-,010	,290
Subject Field - Competitor Information		,122	-,166	-,030	,248
Subject Field - Economics		,037	,219	,255	,232
Subject Field - Life Sciences		,518	-,113	-,101	-,005
Subject Field - Biotechnology		1,000	-,019	-,116	,033
Subject Field - Pharmacy		-,019	1,000	,511	,291
Subject Field - Drugs		-,116	,511	1,000	,378
Subject Field - Pharmacology		,033	,291	,378	1,000
Subject Field - Medical Devices		-,097	,198	,139	-,037
Subject Field - Medical Chemistry		,181	,184	,237	,206
Subject Field - Toxycology		,082	,253	,294	,696
Subject Field - Physics		,193	-,022	-,033	-,025
Subject Field - Health Politics		,113	,082	,189	,244

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxycology
Kovarianz	Subject Field - Diagnostics	,078	,106	-,291
	Subject Field - Biomedicine	-,133	,125	-,091
	Subject Field - Human Medicine	-,219	-,004	,122
	Subject Field - Chemistry	,194	,943	,243
	Subject Field - Clinical Studies	-,138	,185	,104
	Subject Field - Competitor Information	,110	,308	,086
	Subject Field - Economics	,039	,318	,191
	Subject Field - Life Sciences	-,201	,181	,010
	Subject Field - Biotechnology	-,092	,155	,051
	Subject Field - Pharmacy	,203	,172	,173
	Subject Field - Drugs	,148	,230	,210
	Subject Field - Pharmacology	-,027	,140	,347
	Subject Field - Medical Devices	1,651	,419	-,089
	Subject Field - Medical Chemistry	,419	1,361	,241
	Subject Field - Toxycology	-,089	,241	,731
	Subject Field - Physics	,339	,259	,024
	Subject Field - Health Politics	,152	,506	,317
	Korrelation	Subject Field - Diagnostics	,063	,094
Subject Field - Biomedicine		-,133	,138	-,137
Subject Field - Human Medicine		-,163	-,003	,137
Subject Field - Chemistry		,121	,645	,227
Subject Field - Clinical Studies		-,127	,186	,143
Subject Field - Competitor Information		,067	,209	,079
Subject Field - Economics		,026	,233	,191
Subject Field - Life Sciences		-,187	,186	,013
Subject Field - Biotechnology		-,097	,181	,082
Subject Field - Pharmacy		,198	,184	,253
Subject Field - Drugs		,139	,237	,294
Subject Field - Pharmacology		-,037	,206	,696
Subject Field - Medical Devices		1,000	,280	-,081
Subject Field - Medical Chemistry		,280	1,000	,241
Subject Field - Toxycology		-,081	,241	1,000
Subject Field - Physics		,271	,228	,029
Subject Field - Health Politics		,104	,382	,326

**Gemeinsam Matrizen innerhalb der Gruppen<sup>a</sup>**

		Subject Field - Physics	Subject Field - Health Politics	
Kovarianz	Subject Field - Diagnostics	-,062	,105	
	Subject Field - Biomedicine	,084	-,135	
	Subject Field - Human Medicine	-,154	-,022	
	Subject Field - Chemistry	,442	,324	
	Subject Field - Clinical Studies	,014	,250	
	Subject Field - Competitor Information	,308	,436	
	Subject Field - Economics	,264	,633	
	Subject Field - Life Sciences	,193	,049	
	Subject Field - Biotechnology	,137	,094	
	Subject Field - Pharmacy	-,017	,074	
	Subject Field - Drugs	-,027	,179	
	Subject Field - Pharmacology	-,014	,162	
	Subject Field - Medical Devices	,339	,152	
	Subject Field - Medical Chemistry	,259	,506	
	Subject Field - Toxycology	,024	,317	
	Subject Field - Physics	,948	,337	
	Subject Field - Health Politics	,337	1,291	
	Korrelation	Subject Field - Diagnostics	-,065	,096
		Subject Field - Biomedicine	,111	-,153
Subject Field - Human Medicine		-,152	-,018	
Subject Field - Chemistry		,363	,228	
Subject Field - Clinical Studies		,017	,259	
Subject Field - Competitor Information		,250	,304	
Subject Field - Economics		,231	,475	
Subject Field - Life Sciences		,237	,052	
Subject Field - Biotechnology		,193	,113	
Subject Field - Pharmacy		-,022	,082	
Subject Field - Drugs		-,033	,189	
Subject Field - Pharmacology		-,025	,244	
Subject Field - Medical Devices		,271	,104	
Subject Field - Medical Chemistry		,228	,382	
Subject Field - Toxycology		,029	,326	
Subject Field - Physics		1,000	,305	
Subject Field - Health Politics		,305	1,000	

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 46.

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine
1	Subject Field - Diagnostics	,279	-,092	,085
	Subject Field - Biomedicine	-,092	,654	-,272
	Subject Field - Human Medicine	,085	-,272	1,485
	Subject Field - Chemistry	,040	,397	-,735
	Subject Field - Clinical Studies	,099	-,037	,371
	Subject Field - Competitor Information	-,022	,147	-,485
	Subject Field - Economics	-,004	-,121	-,018
	Subject Field - Life Sciences	-,070	,507	-,162
	Subject Field - Biotechnology	,074	,426	-,195
	Subject Field - Pharmacy	,099	-,224	,496
	Subject Field - Drugs	,055	-,118	-,162
	Subject Field - Pharmacology	-,077	,077	,114
	Subject Field - Medical Devices	,143	-,018	-,158
	Subject Field - Medical Chemistry	,206	,232	-,096
	Subject Field - Toxicology	-,213	-,037	,184
	Subject Field - Physics	-,077	,202	-,386
	Subject Field - Health Politics	,206	-,081	,467

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine
2	Subject Field - Diagnostics	,641	,115	-,026
	Subject Field - Biomedicine	,115	,231	,032
	Subject Field - Human Medicine	-,026	,032	,141
	Subject Field - Chemistry	-,006	,071	,077
	Subject Field - Clinical Studies	-,006	-,096	,077
	Subject Field - Competitor Information	-,276	,115	,058
	Subject Field - Economics	-,192	,199	,058
	Subject Field - Life Sciences	,115	,064	-,051
	Subject Field - Biotechnology	-,135	,064	-,051
	Subject Field - Pharmacy	-,038	,006	-,038
	Subject Field - Drugs	-,135	-,019	,115
	Subject Field - Pharmacology	-,135	-,103	-,051
	Subject Field - Medical Devices	,218	,019	-,032
	Subject Field - Medical Chemistry	-,154	,026	,013
	Subject Field - Toxicology	-,308	-,115	-,058
	Subject Field - Physics	,147	,128	-,103
	Subject Field - Health Politics	,128	,006	-,122

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Diagnostics	Subject Field - Biomedicine	Subject Field - Human Medicine
3	Subject Field - Diagnostics	1,719	,287	,526
	Subject Field - Biomedicine	,287	,807	,754
	Subject Field - Human Medicine	,526	,754	1,374
	Subject Field - Chemistry	-,266	-,257	-,161
	Subject Field - Clinical Studies	,772	,351	,775
	Subject Field - Competitor Information	,518	,003	,287
	Subject Field - Economics	,181	-,377	-,298
	Subject Field - Life Sciences	-,450	,184	,108
	Subject Field - Biotechnology	-,386	-,064	-,137
	Subject Field - Pharmacy	-,497	-,231	-,249
	Subject Field - Drugs	-,570	-,178	,076
	Subject Field - Pharmacology	-,249	-,199	,070
	Subject Field - Medical Devices	-,073	-,336	-,398
	Subject Field - Medical Chemistry	,190	,096	,067
	Subject Field - Toxicology	-,348	-,123	,187
	Subject Field - Physics	-,187	-,050	,018
	Subject Field - Health Politics	,000	-,278	-,389
Gesamt	Subject Field - Diagnostics	1,485	,210	,071
	Subject Field - Biomedicine	,210	,695	,383
	Subject Field - Human Medicine	,071	,383	1,532
	Subject Field - Chemistry	,273	,143	-,323
	Subject Field - Clinical Studies	-,219	,286	1,186
	Subject Field - Competitor Information	-,152	,103	,184
	Subject Field - Economics	-,012	-,117	-,051
	Subject Field - Life Sciences	-,105	,335	,109
	Subject Field - Biotechnology	-,123	,236	,071
	Subject Field - Pharmacy	-,318	,092	,702
	Subject Field - Drugs	-,566	,088	,645
	Subject Field - Pharmacology	-,468	,233	,913
	Subject Field - Medical Devices	,217	,008	-,009
	Subject Field - Medical Chemistry	,151	,326	,407
	Subject Field - Toxicology	-,540	,175	,847
	Subject Field - Physics	,341	,218	-,108
	Subject Field - Health Politics	,350	-,026	,044



Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Chemistry	Subject Field - Clinical Studies	Subject Field - Competitor Information
1	Subject Field - Diagnostics	,040	,099	-,022
	Subject Field - Biomedicine	,397	-,037	,147
	Subject Field - Human Medicine	-,735	,371	-,485
	Subject Field - Chemistry	2,110	,254	,298
	Subject Field - Clinical Studies	,254	,515	,316
	Subject Field - Competitor Information	,298	,316	1,610
	Subject Field - Economics	,331	,136	,206
	Subject Field - Life Sciences	,849	,147	-,276
	Subject Field - Biotechnology	,257	-,033	,070
	Subject Field - Pharmacy	,191	,140	-,121
	Subject Field - Drugs	,412	-,040	,162
	Subject Field - Pharmacology	,261	,107	,074
	Subject Field - Medical Devices	,471	-,055	,908
	Subject Field - Medical Chemistry	1,408	,320	,221
	Subject Field - Toxicology	-,059	-,048	-,371
	Subject Field - Physics	,699	,169	,386
	Subject Field - Health Politics	,096	,320	-,029

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Chemistry	Subject Field - Clinical Studies	Subject Field - Competitor Information
2	Subject Field - Diagnostics	-,006	-,006	-,276
	Subject Field - Biomedicine	,071	-,096	,115
	Subject Field - Human Medicine	,077	,077	,058
	Subject Field - Chemistry	1,436	,269	,744
	Subject Field - Clinical Studies	,269	,436	,160
	Subject Field - Competitor Information	,744	,160	1,974
	Subject Field - Economics	,494	-,256	,641
	Subject Field - Life Sciences	,071	-,096	-,301
	Subject Field - Biotechnology	-,013	-,179	,115
	Subject Field - Pharmacy	,199	-,135	-,038
	Subject Field - Drugs	,154	,071	,115
	Subject Field - Pharmacology	,321	,237	,365
	Subject Field - Medical Devices	,346	,013	-,365
	Subject Field - Medical Chemistry	,795	,295	,679
	Subject Field - Toxicology	,756	,340	,692
	Subject Field - Physics	,558	-,276	,147
	Subject Field - Health Politics	,949	,199	1,295

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Chemistry	Subject Field - Clinical Studies	Subject Field - Competitor Information
3	Subject Field - Diagnostics	-,266	,772	,518
	Subject Field - Biomedicine	-,257	,351	,003
	Subject Field - Human Medicine	-,161	,775	,287
	Subject Field - Chemistry	1,175	-,088	-,015
	Subject Field - Clinical Studies	-,088	1,099	,535
	Subject Field - Competitor Information	-,015	,535	1,339
	Subject Field - Economics	,442	,307	,801
	Subject Field - Life Sciences	,079	-,289	,035
	Subject Field - Biotechnology	,155	-,272	,149
	Subject Field - Pharmacy	,322	-,327	-,295
	Subject Field - Drugs	,392	-,029	-,301
	Subject Field - Pharmacology	,050	,114	,158
	Subject Field - Medical Devices	-,152	-,313	-,284
	Subject Field - Medical Chemistry	,629	-,009	,137
	Subject Field - Toxicology	,170	,082	,088
	Subject Field - Physics	,137	,070	,345
	Subject Field - Health Politics	,111	,222	,278
	Gesamt	Subject Field - Diagnostics	,273	-,219
Subject Field - Biomedicine		,143	,286	,103
Subject Field - Human Medicine		-,323	1,186	,184
Subject Field - Chemistry		1,731	-,138	,133
Subject Field - Clinical Studies		-,138	2,035	,808
Subject Field - Competitor Information		,133	,808	1,711
Subject Field - Economics		,386	,186	,559
Subject Field - Life Sciences		,384	,069	-,129
Subject Field - Biotechnology		,185	,099	,166
Subject Field - Pharmacy		,211	,857	,119
Subject Field - Drugs		,183	1,067	,318
Subject Field - Pharmacology		,087	1,500	,591
Subject Field - Medical Devices		,302	,061	,122
Subject Field - Medical Chemistry		,986	,712	,419
Subject Field - Toxicology		,153	1,251	,433
Subject Field - Physics		,687	-,162	,159
Subject Field - Health Politics		,480	,185	,347

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Economics	Subject Field - Life Sciences	Subject Field - Biotechnology
1	Subject Field - Diagnostics	-,004	-,070	,074
	Subject Field - Biomedicine	-,121	,507	,426
	Subject Field - Human Medicine	-,018	-,162	-,195
	Subject Field - Chemistry	,331	,849	,257
	Subject Field - Clinical Studies	,136	,147	-,033
	Subject Field - Competitor Information	,206	-,276	,070
	Subject Field - Economics	,868	-,202	-,165
	Subject Field - Life Sciences	-,202	1,096	,482
	Subject Field - Biotechnology	-,165	,482	,684
	Subject Field - Pharmacy	,386	-,290	-,221
	Subject Field - Drugs	,548	-,342	-,206
	Subject Field - Pharmacology	,283	,066	,026
	Subject Field - Medical Devices	,162	-,364	-,110
	Subject Field - Medical Chemistry	,599	,449	,077
	Subject Field - Toxicology	,386	,022	-,158
	Subject Field - Physics	-,029	,316	,088
	Subject Field - Health Politics	,537	,136	,140

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Economics	Subject Field - Life Sciences	Subject Field - Biotechnology
2	Subject Field - Diagnostics	-,192	,115	-,135
	Subject Field - Biomedicine	,199	,064	,064
	Subject Field - Human Medicine	,058	-,051	-,051
	Subject Field - Chemistry	,494	,071	-,013
	Subject Field - Clinical Studies	-,256	-,096	-,179
	Subject Field - Competitor Information	,641	-,301	,115
	Subject Field - Economics	1,474	,032	,282
	Subject Field - Life Sciences	,032	,231	,064
	Subject Field - Biotechnology	,282	,064	,397
	Subject Field - Pharmacy	,212	,090	,173
	Subject Field - Drugs	,199	-,103	,064
	Subject Field - Pharmacology	-,218	-,103	,064
	Subject Field - Medical Devices	,301	,103	-,147
	Subject Field - Medical Chemistry	,429	-,058	,109
	Subject Field - Toxicology	,109	-,115	,301
	Subject Field - Physics	,897	,212	,045
	Subject Field - Health Politics	,878	-,077	,090

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Economics	Subject Field - Life Sciences	Subject Field - Biotechnology
3	Subject Field - Diagnostics	,181	-,450	-,386
	Subject Field - Biomedicine	-,377	,184	-,064
	Subject Field - Human Medicine	-,298	,108	-,137
	Subject Field - Chemistry	,442	,079	,155
	Subject Field - Clinical Studies	,307	-,289	-,272
	Subject Field - Competitor Information	,801	,035	,149
	Subject Field - Economics	1,760	,029	,041
	Subject Field - Life Sciences	,029	,655	,339
	Subject Field - Biotechnology	,041	,339	,497
	Subject Field - Pharmacy	,041	,006	,053
	Subject Field - Drugs	,018	,193	-,041
	Subject Field - Pharmacology	,298	,003	-,029
	Subject Field - Medical Devices	-,246	-,257	-,038
	Subject Field - Medical Chemistry	-,006	,102	,254
	Subject Field - Toxicology	,073	,082	,070
	Subject Field - Physics	,102	,070	,243
	Subject Field - Health Politics	,556	,056	,056
	Gesamt	Subject Field - Diagnostics	-,012	-,105
Subject Field - Biomedicine		-,117	,335	,236
Subject Field - Human Medicine		-,051	,109	,071
Subject Field - Chemistry		,386	,384	,185
Subject Field - Clinical Studies		,186	,069	,099
Subject Field - Competitor Information		,559	-,129	,166
Subject Field - Economics		1,324	-,037	,050
Subject Field - Life Sciences		-,037	,724	,376
Subject Field - Biotechnology		,050	,376	,611
Subject Field - Pharmacy		,265	,113	,259
Subject Field - Drugs		,312	,085	,172
Subject Field - Pharmacology		,246	,227	,358
Subject Field - Medical Devices		,053	-,099	,029
Subject Field - Medical Chemistry		,344	,320	,347
Subject Field - Toxicology		,263	,205	,342
Subject Field - Physics		,246	,271	,218
Subject Field - Health Politics		,606	,114	,162

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
1	Subject Field - Diagnostics	,099	,055	-,077
	Subject Field - Biomedicine	-,224	-,118	,077
	Subject Field - Human Medicine	,496	-,162	,114
	Subject Field - Chemistry	,191	,412	,261
	Subject Field - Clinical Studies	,140	-,040	,107
	Subject Field - Competitor Information	-,121	,162	,074
	Subject Field - Economics	,386	,548	,283
	Subject Field - Life Sciences	-,290	-,342	,066
	Subject Field - Biotechnology	-,221	-,206	,026
	Subject Field - Pharmacy	1,015	,585	,294
	Subject Field - Drugs	,585	,721	,191
	Subject Field - Pharmacology	,294	,191	,257
	Subject Field - Medical Devices	,320	,386	,022
	Subject Field - Medical Chemistry	,257	,511	,210
	Subject Field - Toxicology	,140	,085	,232
	Subject Field - Physics	-,206	-,184	-,055
	Subject Field - Health Politics	,320	,199	,085

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
2	Subject Field - Diagnostics	-,038	-,135	-,135
	Subject Field - Biomedicine	,006	-,019	-,103
	Subject Field - Human Medicine	-,038	,115	-,051
	Subject Field - Chemistry	,199	,154	,321
	Subject Field - Clinical Studies	-,135	,071	,237
	Subject Field - Competitor Information	-,038	,115	,365
	Subject Field - Economics	,212	,199	-,218
	Subject Field - Life Sciences	,090	-,103	-,103
	Subject Field - Biotechnology	,173	,064	,064
	Subject Field - Pharmacy	,192	,006	,006
	Subject Field - Drugs	,006	,231	,064
	Subject Field - Pharmacology	,006	,064	,397
	Subject Field - Medical Devices	,077	-,064	-,147
	Subject Field - Medical Chemistry	,019	,192	,359
	Subject Field - Toxicology	,122	,218	,635
	Subject Field - Physics	,179	-,038	-,205
	Subject Field - Health Politics	,026	,090	,340



Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Pharmacy	Subject Field - Drugs	Subject Field - Pharmacology
3	Subject Field - Diagnostics	-,497	-,570	-,249
	Subject Field - Biomedicine	-,231	-,178	-,199
	Subject Field - Human Medicine	-,249	,076	,070
	Subject Field - Chemistry	,322	,392	,050
	Subject Field - Clinical Studies	-,327	-,029	,114
	Subject Field - Competitor Information	-,295	-,301	,158
	Subject Field - Economics	,041	,018	,298
	Subject Field - Life Sciences	,006	,193	,003
	Subject Field - Biotechnology	,053	-,041	-,029
	Subject Field - Pharmacy	,608	,348	,082
	Subject Field - Drugs	,348	,982	,257
	Subject Field - Pharmacology	,082	,257	,374
	Subject Field - Medical Devices	,184	,079	,009
	Subject Field - Medical Chemistry	,199	,006	-,067
	Subject Field - Toxicology	,237	,316	,257
	Subject Field - Physics	,020	,120	,149
	Subject Field - Health Politics	-,111	,222	,111
	Gesamt	Subject Field - Diagnostics	-,318	-,566
Subject Field - Biomedicine		,092	,088	,233
Subject Field - Human Medicine		,702	,645	,913
Subject Field - Chemistry		,211	,183	,087
Subject Field - Clinical Studies		,857	1,067	1,500
Subject Field - Competitor Information		,119	,318	,591
Subject Field - Economics		,265	,312	,246
Subject Field - Life Sciences		,113	,085	,227
Subject Field - Biotechnology		,259	,172	,358
Subject Field - Pharmacy		1,458	1,161	1,259
Subject Field - Drugs		1,161	1,550	1,327
Subject Field - Pharmacology		1,259	1,327	1,855
Subject Field - Medical Devices		,473	,354	,309
Subject Field - Medical Chemistry		,717	,716	,844
Subject Field - Toxicology		1,122	1,174	1,628
Subject Field - Physics		,065	-,082	,015
Subject Field - Health Politics		,176	,187	,242

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxycology
1	Subject Field - Diagnostics	,143	,206	-,213
	Subject Field - Biomedicine	-,018	,232	-,037
	Subject Field - Human Medicine	-,158	-,096	,184
	Subject Field - Chemistry	,471	1,408	-,059
	Subject Field - Clinical Studies	-,055	,320	-,048
	Subject Field - Competitor Information	,908	,221	-,371
	Subject Field - Economics	,162	,599	,386
	Subject Field - Life Sciences	-,364	,449	,022
	Subject Field - Biotechnology	-,110	,077	-,158
	Subject Field - Pharmacy	,320	,257	,140
	Subject Field - Drugs	,386	,511	,085
	Subject Field - Pharmacology	,022	,210	,232
	Subject Field - Medical Devices	1,941	,629	-,305
	Subject Field - Medical Chemistry	,629	1,941	-,055
	Subject Field - Toxycology	-,305	-,055	,640
	Subject Field - Physics	,272	,147	-,018
	Subject Field - Health Politics	,066	,629	,132

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxicology
2	Subject Field - Diagnostics	,218	-,154	-,308
	Subject Field - Biomedicine	,019	,026	-,115
	Subject Field - Human Medicine	-,032	,013	-,058
	Subject Field - Chemistry	,346	,795	,756
	Subject Field - Clinical Studies	,013	,295	,340
	Subject Field - Competitor Information	-,365	,679	,692
	Subject Field - Economics	,301	,429	,109
	Subject Field - Life Sciences	,103	-,058	-,115
	Subject Field - Biotechnology	-,147	,109	,301
	Subject Field - Pharmacy	,077	,019	,122
	Subject Field - Drugs	-,064	,192	,218
	Subject Field - Pharmacology	-,147	,359	,635
	Subject Field - Medical Devices	1,064	,308	,032
	Subject Field - Medical Chemistry	,308	,910	,904
	Subject Field - Toxicology	,032	,904	1,308
	Subject Field - Physics	,538	,301	-,064
	Subject Field - Health Politics	,327	1,019	,872

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Medical Devices	Subject Field - Medical Chemistry	Subject Field - Toxicology
3	Subject Field - Diagnostics	-,073	,190	-,348
	Subject Field - Biomedicine	-,336	,096	-,123
	Subject Field - Human Medicine	-,398	,067	,187
	Subject Field - Chemistry	-,152	,629	,170
	Subject Field - Clinical Studies	-,313	-,009	,082
	Subject Field - Competitor Information	-,284	,137	,088
	Subject Field - Economics	-,246	-,006	,073
	Subject Field - Life Sciences	-,257	,102	,082
	Subject Field - Biotechnology	-,038	,254	,070
	Subject Field - Pharmacy	,184	,199	,237
	Subject Field - Drugs	,079	,006	,316
	Subject Field - Pharmacology	,009	-,067	,257
	Subject Field - Medical Devices	1,784	,307	,023
	Subject Field - Medical Chemistry	,307	1,146	,061
	Subject Field - Toxicology	,023	,061	,427
	Subject Field - Physics	,266	,330	,120
	Subject Field - Health Politics	,111	,056	,111
	Gesamt	Subject Field - Diagnostics	,217	,151
Subject Field - Biomedicine		,008	,326	,175
Subject Field - Human Medicine		-,009	,407	,847
Subject Field - Chemistry		,302	,986	,153
Subject Field - Clinical Studies		,061	,712	1,251
Subject Field - Competitor Information		,122	,419	,433
Subject Field - Economics		,053	,344	,263
Subject Field - Life Sciences		-,099	,320	,205
Subject Field - Biotechnology		,029	,347	,342
Subject Field - Pharmacy		,473	,717	1,122
Subject Field - Drugs		,354	,716	1,174
Subject Field - Pharmacology		,309	,844	1,628
Subject Field - Medical Devices		1,741	,636	,201
Subject Field - Medical Chemistry		,636	1,707	,833
Subject Field - Toxicology		,201	,833	1,797
Subject Field - Physics		,496	,414	,051
Subject Field - Health Politics		,273	,626	,381

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Physics	Subject Field - Health Politics
1	Subject Field - Diagnostics	-,077	,206
	Subject Field - Biomedicine	,202	-,081
	Subject Field - Human Medicine	-,386	,467
	Subject Field - Chemistry	,699	,096
	Subject Field - Clinical Studies	,169	,320
	Subject Field - Competitor Information	,386	-,029
	Subject Field - Economics	-,029	,537
	Subject Field - Life Sciences	,316	,136
	Subject Field - Biotechnology	,088	,140
	Subject Field - Pharmacy	-,206	,320
	Subject Field - Drugs	-,184	,199
	Subject Field - Pharmacology	-,055	,085
	Subject Field - Medical Devices	,272	,066
	Subject Field - Medical Chemistry	,147	,629
	Subject Field - Toxicology	-,018	,132
	Subject Field - Physics	1,257	,147
	Subject Field - Health Politics	,147	1,191

Kovarianz-Matrizen<sup>a</sup>

Cluster-Nr. des Falls		Subject Field - Physics	Subject Field - Health Politics
2	Subject Field - Diagnostics	,147	,128
	Subject Field - Biomedicine	,128	,006
	Subject Field - Human Medicine	-,103	-,122
	Subject Field - Chemistry	,558	,949
	Subject Field - Clinical Studies	-,276	,199
	Subject Field - Competitor Information	,147	1,295
	Subject Field - Economics	,897	,878
	Subject Field - Life Sciences	,212	-,077
	Subject Field - Biotechnology	,045	,090
	Subject Field - Pharmacy	,179	,026
	Subject Field - Drugs	-,038	,090
	Subject Field - Pharmacology	-,205	,340
	Subject Field - Medical Devices	,538	,327
	Subject Field - Medical Chemistry	,301	1,019
	Subject Field - Toxicology	-,064	,872
	Subject Field - Physics	1,090	,846
	Subject Field - Health Politics	,846	2,026

**Kovarianz-Matrizen<sup>a</sup>**

Cluster-Nr. des Falls		Subject Field - Physics	Subject Field - Health Politics	
3	Subject Field - Diagnostics	-,187	,000	
	Subject Field - Biomedicine	-,050	-,278	
	Subject Field - Human Medicine	,018	-,389	
	Subject Field - Chemistry	,137	,111	
	Subject Field - Clinical Studies	,070	,222	
	Subject Field - Competitor Information	,345	,278	
	Subject Field - Economics	,102	,556	
	Subject Field - Life Sciences	,070	,056	
	Subject Field - Biotechnology	,243	,056	
	Subject Field - Pharmacy	,020	-,111	
	Subject Field - Drugs	,120	,222	
	Subject Field - Pharmacology	,149	,111	
	Subject Field - Medical Devices	,266	,111	
	Subject Field - Medical Chemistry	,330	,056	
	Subject Field - Toxicology	,120	,111	
	Subject Field - Physics	,579	,167	
	Subject Field - Health Politics	,167	,889	
	Gesamt	Subject Field - Diagnostics	,341	,350
		Subject Field - Biomedicine	,218	-,026
Subject Field - Human Medicine		-,108	,044	
Subject Field - Chemistry		,687	,480	
Subject Field - Clinical Studies		-,162	,185	
Subject Field - Competitor Information		,159	,347	
Subject Field - Economics		,246	,606	
Subject Field - Life Sciences		,271	,114	
Subject Field - Biotechnology		,218	,162	
Subject Field - Pharmacy		,065	,176	
Subject Field - Drugs		-,082	,187	
Subject Field - Pharmacology		,015	,242	
Subject Field - Medical Devices		,496	,273	
Subject Field - Medical Chemistry		,414	,626	
Subject Field - Toxicology		,051	,381	
Subject Field - Physics		1,225	,533	
Subject Field - Health Politics		,533	1,379	

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 48.

# Analyse 1

## Box-Test auf Gleichheit der Kovarianz-Matrizen

### Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	. <sup>a</sup>	. <sup>b</sup>
2	. <sup>c</sup>	. <sup>b</sup>
3	17	-18,837
Gemeinsam innerhalb der Gruppen	17	-8,455

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

- a. Rang < 17
- b. Zu wenig Fälle für Nicht-Singularität
- c. Rang < 13

### Textergebnisse<sup>a</sup>

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

- a. Mit weniger als zwei nicht-singulären Gruppen-Kovarianz-Matrizen kann kein Test durchgeführt werden.

## Zusammenfassung der kanonischen Diskriminanzfunktionen

### Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	10,564 <sup>a</sup>	78,4	78,4	,956
2	2,916 <sup>a</sup>	21,6	100,0	,863

- 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	,022	144,898	34	,000
2	,255	51,877	16	,000



## Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion	
	1	2
Subject Field - Diagnostics	,088	,938
Subject Field - Biomedicine	,099	,294
Subject Field - Human Medicine	-,484	,324
Subject Field - Chemistry	-,897	,332
Subject Field - Clinical Studies	,836	-,936
Subject Field - Competitor Information	-,033	-,246
Subject Field - Economics	-,031	-,226
Subject Field - Life Sciences	,340	-,187
Subject Field - Biotechnology	,210	,067
Subject Field - Pharmacy	,479	,017
Subject Field - Drugs	,321	-,024
Subject Field - Pharmacology	,490	,778
Subject Field - Medical Devices	,091	-,050
Subject Field - Medical Chemistry	,270	-,207
Subject Field - Toxicology	,087	-,047
Subject Field - Physics	,188	,458
Subject Field - Health Politics	-,444	,284

### Struktur-Matrix

	Funktion	
	1	2
Subject Field - Pharmacology	,660*	,178
Subject Field - Clinical Studies	,422*	-,140
Subject Field - Toxycology	,381*	,108
Subject Field - Drugs	,354*	-,004
Subject Field - Pharmacy	,349*	,175
Subject Field - Human Medicine	,206*	,079
Subject Field - Economics	,021*	-,003
Subject Field - Diagnostics	-,115	,420*
Subject Field - Physics	-,018	,344*
Subject Field - Chemistry	-,036	,217*
Subject Field - Biomedicine	,086	,205*
Subject Field - Health Politics	,005	,198*
Subject Field - Medical Chemistry	,143	,179*
Subject Field - Medical Devices	,056	,152*
Subject Field - Biotechnology	,110	,146*
Subject Field - Life Sciences	,062	,122*
Subject Field - Competitor Information	,092	-,097*

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
Subject Field - Diagnostics	,091	,969
Subject Field - Biomedicine	,127	,378
Subject Field - Human Medicine	-,463	,311
Subject Field - Chemistry	-,716	,265
Subject Field - Clinical Studies	,983	-1,100
Subject Field - Competitor Information	-,026	-,195
Subject Field - Economics	-,026	-,193
Subject Field - Life Sciences	,407	-,224
Subject Field - Biotechnology	,287	,091
Subject Field - Pharmacy	,598	,021
Subject Field - Drugs	,385	-,029
Subject Field - Pharmacology	,840	1,336
Subject Field - Medical Devices	,071	-,039
Subject Field - Medical Chemistry	,231	-,178
Subject Field - Toxicology	,102	-,056
Subject Field - Physics	,193	,470
Subject Field - Health Politics	-,391	,250
(Konstant)	-5,874	-4,760

Nicht-standardisierte Koeffizienten

## Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion	
	1	2
1	-3,408	1,395
2	4,706	1,212
3	-,170	-2,077

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

## Klassifizierungsstatistiken

### Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		49
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		49

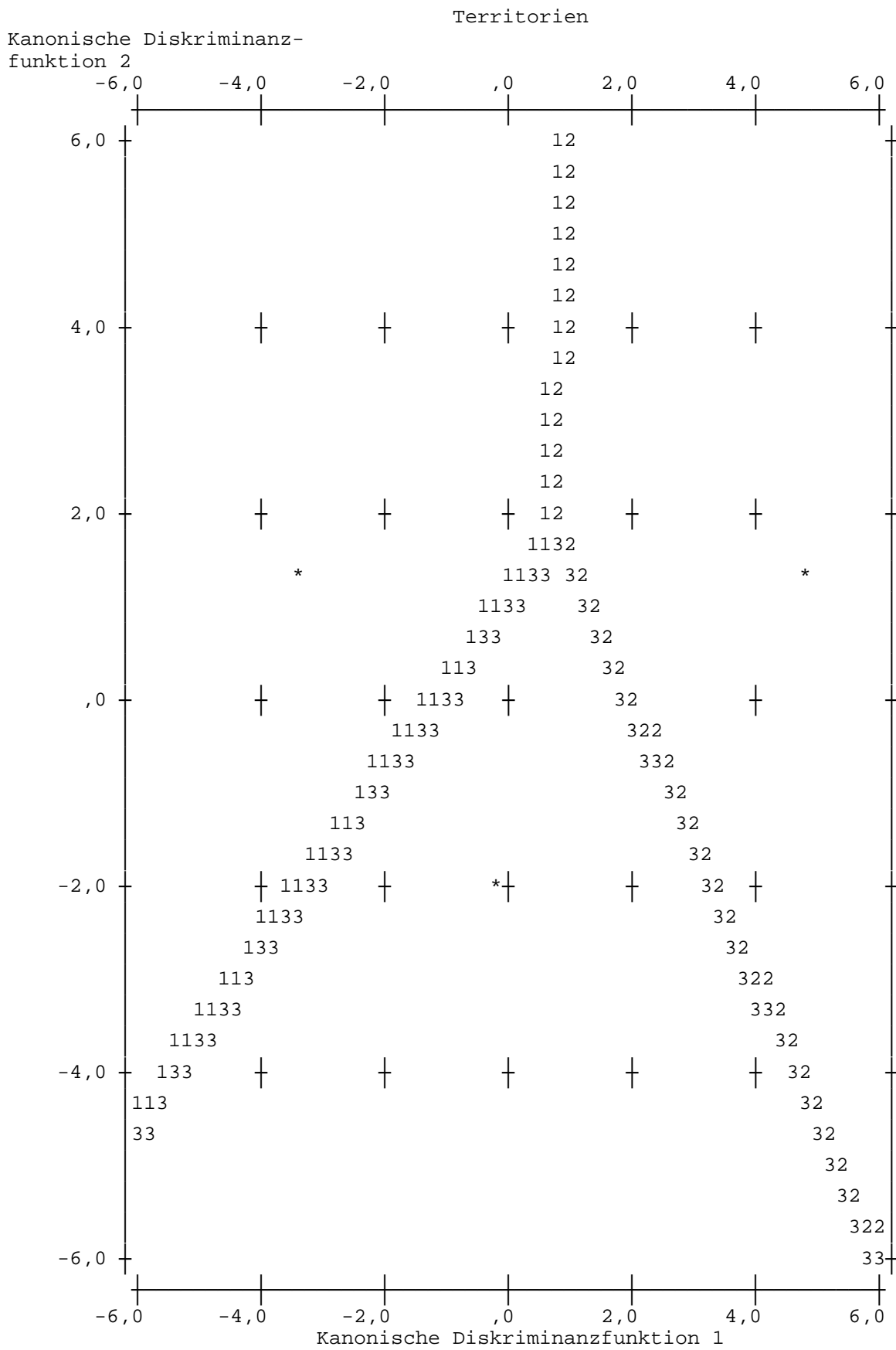
### A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,333	17	17,000
2	,333	13	13,000
3	,333	19	19,000
Gesamt	1,000	49	49,000

### Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls		
	1	2	3
Subject Field - Diagnostics	9,292	9,850	6,222
Subject Field - Biomedicine	3,044	4,005	2,143
Subject Field - Human Medicine	1,464	-2,352	-1,115
Subject Field - Chemistry	,904	-4,955	-2,335
Subject Field - Clinical Studies	-2,798	5,384	4,207
Subject Field - Competitor Information	1,790	1,616	2,383
Subject Field - Economics	-,045	-,224	,538
Subject Field - Life Sciences	5,498	8,842	7,596
Subject Field - Biotechnology	5,218	7,534	5,833
Subject Field - Pharmacy	2,765	7,611	4,628
Subject Field - Drugs	4,604	7,737	5,954
Subject Field - Pharmacology	1,258	7,828	-,661
Subject Field - Medical Devices	2,042	2,623	2,407
Subject Field - Medical Chemistry	-3,999	-2,088	-2,632
Subject Field - Toxicology	3,139	3,979	3,663
Subject Field - Physics	,017	1,499	-,989
Subject Field - Health Politics	-,305	-3,521	-2,439
(Konstant)	-48,806	-100,622	-46,689

Lineare Diskriminanzfunktionen nach Fisher

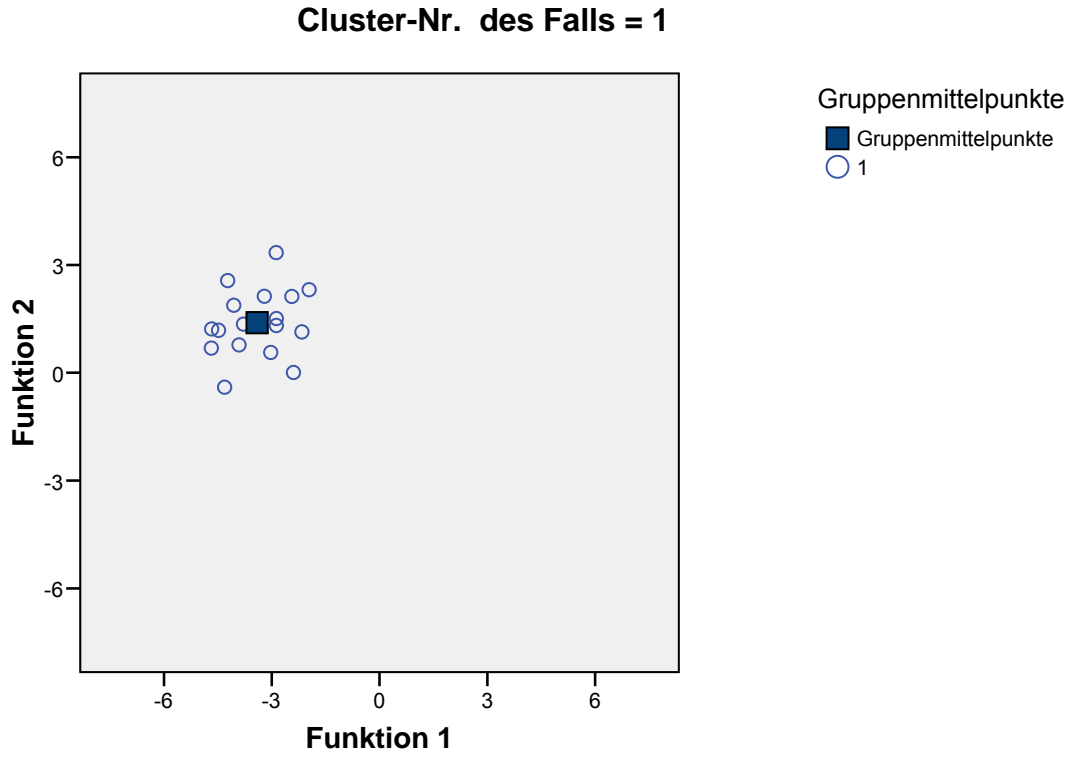


Symbole für Territorien

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

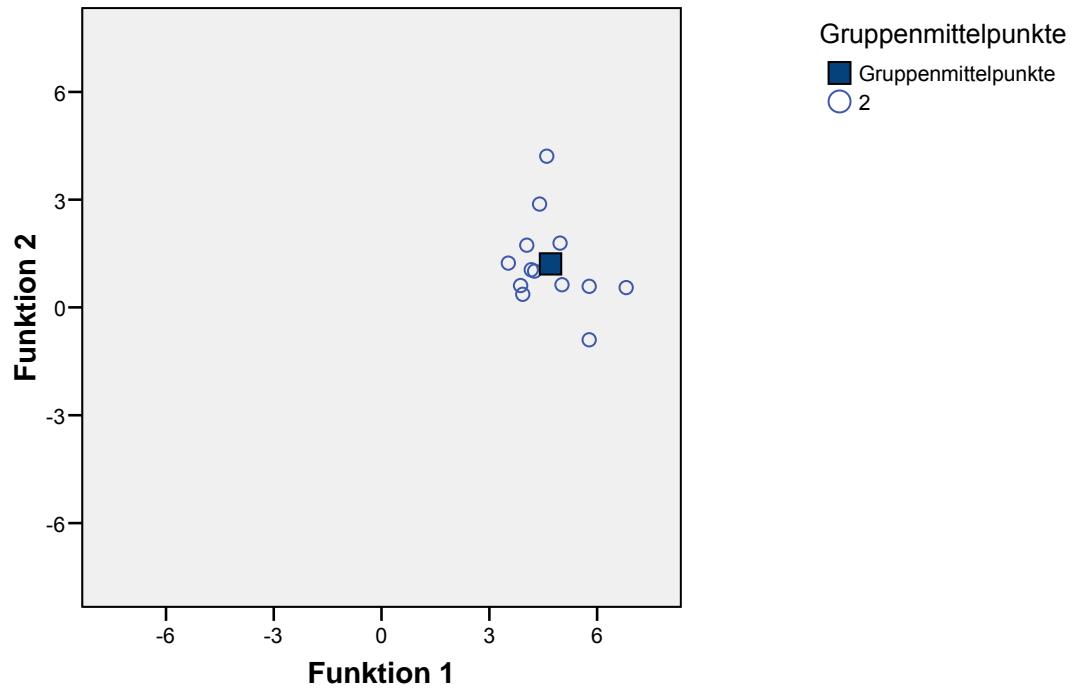
### Graphische Darstellung getrennter Gruppen

### Kanonische Diskriminanzfunktion



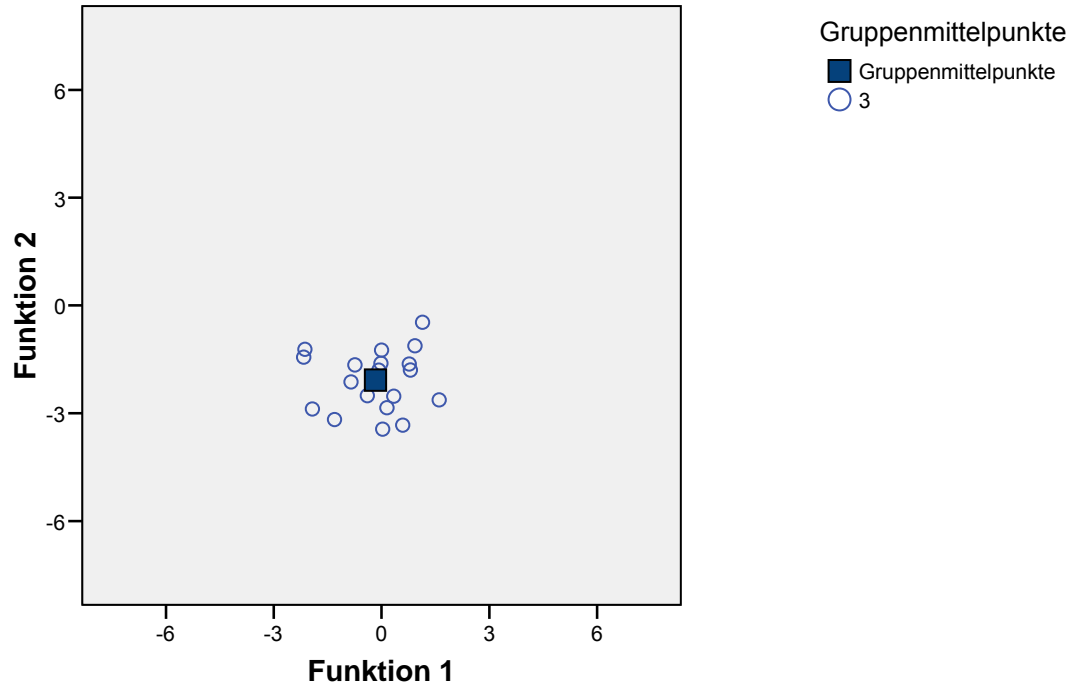
## Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 2

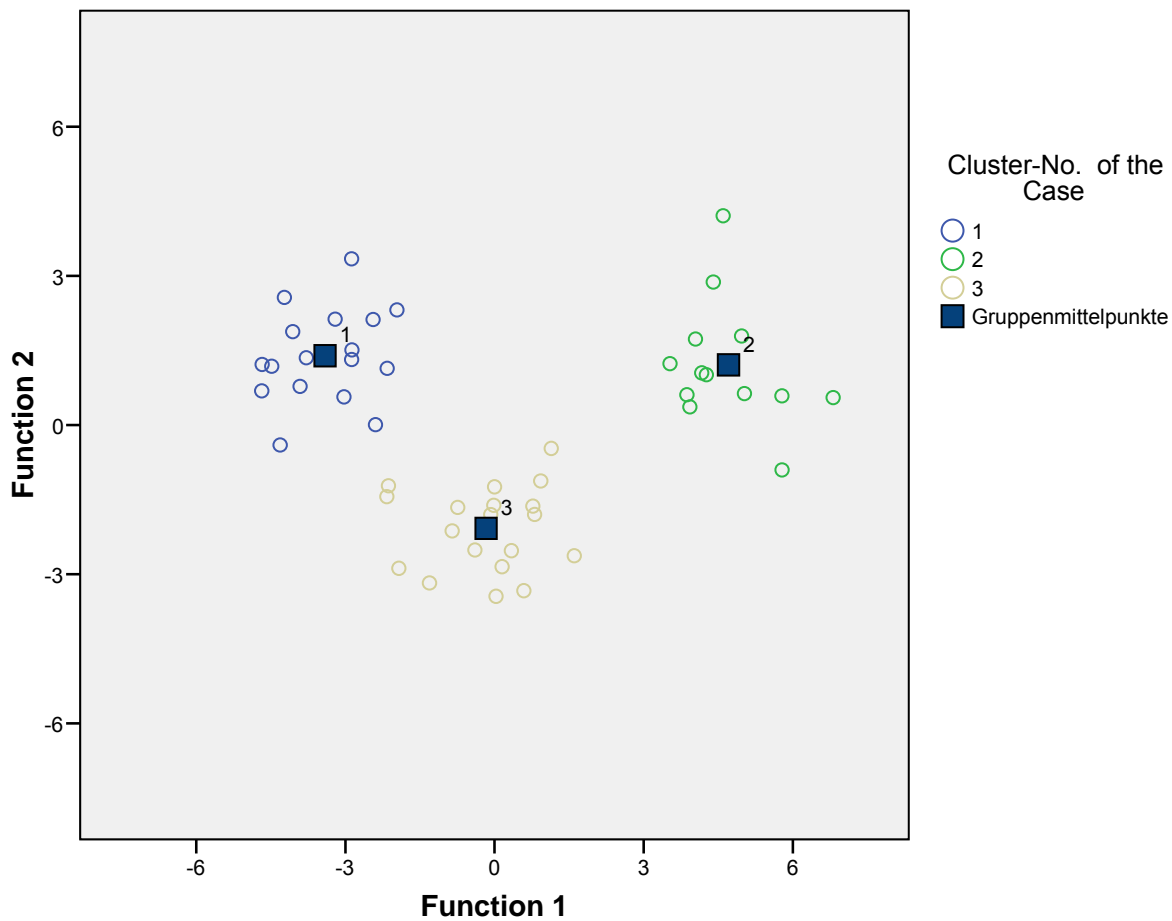


# Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 3







### Klassifizierungsergebnisse<sup>b,c</sup>

		Cluster-Nr. des Falls	Vorhergesagte Gruppenzugehörigkeit			Gesamt
			1	2	3	
Original	Anzahl	1	17	0	0	17
		2	0	13	0	13
		3	0	0	19	19
	%	1	100,0	,0	,0	100,0
		2	,0	100,0	,0	100,0
		3	,0	,0	100,0	100,0
Kreuzvalidiert <sup>a</sup>	Anzahl	1	16	0	1	17
		2	0	12	1	13
		3	2	1	16	19
	%	1	94,1	,0	5,9	100,0
		2	,0	92,3	7,7	100,0
		3	10,5	5,3	84,2	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. 89,8% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.