

Quick Cluster

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Anfängliche Clusterzentren

	Cluster		
	1	2	3
A&C - Importance: Scientific Database & Information Services	4	4	0
A&C - Importance: Patent Department	0	4	4
A&C - Importance: Team	4	2	4
A&C - Importance: Department	4	2	4
A&C - Importance: Other Departments	4	2	4
A&C - Importance: Other Division	3	2	4
A&C - Importance: Other Sites	4	2	3

Iterationsprotokoll^a

Iteration	Änderung in Clusterzentren		
	1	2	3
1	2,368	2,417	2,538
2	,625	,164	,557
3	,266	,231	,339
4	,130	,197	,170
5	,000	,251	,156
6	,000	,149	,082
7	,000	,173	,083
8	,000	,139	,061
9	,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 9. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 5,745.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	3	1,445
2	3	,784
3	1	1,686
4	2	1,883
5	3	1,463
6	3	1,389
7	3	1,162
8	3	1,463
9	3	,676
10	1	1,923
11	1	1,960
12	1	1,960
13	3	3,446
14	1	2,749
15	2	1,650

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
16	2	2,559
17	3	1,873
18	3	,676
19	3	1,845
20	3	1,516
21	1	1,409
22	2	2,453
23	2	1,559
24	3	1,567
25	3	1,633
26	1	1,923
27	1	1,409
28	2	2,019
29	3	1,617
30	3	2,073
31	3	1,617
32	2	1,852
33	2	1,335
34	2	1,481
35	3	2,244
36	3	1,845
37	1	1,189
38	3	1,092
39	1	1,599
40	3	1,311
41	3	1,092
42	3	1,550
43	1	2,387
44	3	,676
45	1	1,459
46	3	1,311
47	3	1,584
48	3	1,311
49	3	2,232
50	2	1,335
51	1	2,826
52	3	1,331
53	2	1,195
54	2	1,614
55	3	1,787
56	2	,778
57	3	1,887
58	2	1,313
59	2	1,037
60	2	2,790
61	1	1,409
62	3	2,061
63	3	1,633
64	3	2,232
65	2	1,720
66	3	1,567
67	3	,784
68	3	1,092
69	3	1,311

Clusterzentren der endgültigen Lösung

	Cluster		
	1	2	3
A&C - Importance: Scientific Database & Information Services	2	3	3
A&C - Importance: Patent Department	2	3	4
A&C - Importance: Team	4	4	4
A&C - Importance: Department	4	3	4
A&C - Importance: Other Departments	3	3	3
A&C - Importance: Other Division	2	1	3
A&C - Importance: Other Sites	3	2	3

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3
1		2,826	2,548
2	2,826		2,398
3	2,548	2,398	

ANOVA

	Cluster		Fehler		F	Sig.
	Mittel der Quadrate	df	Mittel der Quadrate	df		
A&C - Importance: Scientific Database & Information Services	6,742	2	,702	66	9,602	,000
A&C - Importance: Patent Department	24,573	2	,406	66	60,588	,000
A&C - Importance: Team	,869	2	,190	66	4,572	,014
A&C - Importance: Department	2,078	2	,319	66	6,512	,003
A&C - Importance: Other Departments	4,083	2	,358	66	11,390	,000
A&C - Importance: Other Division	15,697	2	,701	66	22,396	,000
A&C - Importance: Other Sites	11,676	2	,408	66	28,608	,000

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

Anzahl der Fälle in jedem Cluster

Cluster	1	14,000
	2	17,000
	3	38,000
Gültig		69,000
Fehlend		,000

Quick Cluster

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Anfängliche Clusterzentren

	Cluster			
	1	2	3	4
A&C - Importance: Scientific Database & Information Services	0	3	1	3
A&C - Importance: Patent Department	4	1	1	3
A&C - Importance: Team	4	4	4	3
A&C - Importance: Department	4	3	4	3
A&C - Importance: Other Departments	4	4	4	2
A&C - Importance: Other Division	4	4	0	1
A&C - Importance: Other Sites	3	4	4	1

Iterationsprotokoll^a

Iteration	Änderung in Clusterzentren			
	1	2	3	4
1	2,439	1,961	1,720	2,083
2	,222	,269	,670	,083
3	,000	,000	,000	,000

a. Konvergenz wurde aufgrund geringer oder keiner Änderungen der Clusterzentren erreicht. Die maximale Änderung der absoluten Koordinaten für jedes Zentrum ist ,000. Die aktuelle Iteration lautet 3. Der Mindestabstand zwischen den anfänglichen Zentren beträgt 4,472.

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	2	1,127
2	4	1,441
3	1	1,153
4	4	2,490
5	1	1,652
6	4	1,037
7	4	1,565
8	1	1,652
9	1	1,263
10	3	,943
11	1	1,611
12	1	2,308
13	1	2,568
14	3	1,972
15	4	2,267
16	3	2,687
17	2	1,773
18	1	1,263
19	2	1,738
20	4	1,565
21	1	1,861
22	4	2,401
23	4	1,255
24	2	1,738

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
25	2	1,587
26	3	1,491
27	2	1,330
28	4	2,335
29	2	,877
30	4	1,972
31	4	1,699
32	4	1,396
33	4	2,003
34	4	1,771
35	4	1,956
36	2	1,738
37	2	2,349
38	4	1,718
39	3	1,247
40	2	1,376
41	4	1,718
42	1	1,123
43	2	2,126
44	1	1,263
45	3	2,211
46	4	1,204
47	4	1,771
48	4	1,204
49	1	1,263
50	4	1,304
51	2	3,085
52	1	1,548
53	4	2,110
54	4	1,124
55	1	1,153
56	4	1,374
57	4	1,824
58	4	,873
59	4	,942
60	4	3,590
61	2	1,330
62	2	2,066
63	4	1,204
64	2	2,184
65	4	1,771
66	1	,964
67	4	1,441
68	4	1,718
69	2	1,376

Clusterzentren der endgültigen Lösung

	Cluster			
	1	2	3	4
A&C - Importance: Scientific Database & Information Services	2	3	2	3
A&C - Importance: Patent Department	3	3	1	4
A&C - Importance: Team	4	4	4	4
A&C - Importance: Department	4	4	4	3
A&C - Importance: Other Departments	3	4	3	3
A&C - Importance: Other Division	3	4	1	2
A&C - Importance: Other Sites	3	3	3	2

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4
1		1,715	2,804	1,946
2	1,715		3,421	2,195
3	2,804	3,421		3,006
4	1,946	2,195	3,006	

ANOVA

	Cluster		Fehler		F	Sig.
	Mittel der Quadrate	df	Mittel der Quadrate	df		
A&C - Importance: Scientific Database & Information Services	9,539	3	,480	65	19,868	,000
A&C - Importance: Patent Department	9,511	3	,729	65	13,049	,000
A&C - Importance: Team	,506	3	,196	65	2,577	,061
A&C - Importance: Department	1,349	3	,326	65	4,141	,010
A&C - Importance: Other Departments	3,116	3	,346	65	9,009	,000
A&C - Importance: Other Division	13,606	3	,567	65	24,011	,000
A&C - Importance: Other Sites	3,706	3	,603	65	6,149	,001

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	15,000
	2	16,000
	3	6,000
	4	32,000
Gültig		69,000
Fehlend		,000

Quick Cluster

Anfängliche Clusterzentren

	Cluster				
	1	2	3	4	5
A&C - Importance: Scientific Database & Information Services	0	4	1	3	3
A&C - Importance: Patent Department	4	4	1	2	1
A&C - Importance: Team	4	2	4	4	4
A&C - Importance: Department	4	2	4	4	3
A&C - Importance: Other Departments	4	2	4	3	4
A&C - Importance: Other Division	4	2	0	0	4
A&C - Importance: Other Sites	3	2	4	0	4

Iterationsprotokoll^a

Iteration	Änderung in Clusterzentren				
	1	2	3	4	5
1	2,439	2,298	1,720	1,414	2,041
2	,222	,145	,529	,624	,431
3	,000	,131	,350	,400	,197
4	,000	,000	,000	,000	,000

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

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
1	5	1,102
2	2	1,027
3	1	1,153
4	4	1,392
5	1	1,652
6	2	,835
7	2	1,158
8	1	1,652
9	1	1,263
10	3	1,179
11	1	1,611
12	1	2,308
13	1	2,568
14	3	1,929
15	4	1,561
16	4	1,984
17	2	1,847
18	1	1,263
19	5	1,431
20	2	1,330
21	1	1,861
22	2	2,475
23	2	1,383

Cluster-Zugehörigkeit

Fallnummer	Cluster	Distanz
24	5	1,648
25	5	1,372
26	3	1,650
27	5	1,543
28	4	1,785
29	5	,846
30	2	1,768
31	2	1,576
32	2	1,482
33	4	1,561
34	2	2,049
35	2	1,960
36	5	1,431
37	3	1,748
38	2	1,383
39	3	1,312
40	2	1,330
41	2	1,383
42	1	1,123
43	5	2,171
44	1	1,263
45	3	1,748
46	2	1,247
47	2	1,458
48	2	1,247
49	1	1,263
50	2	1,553
51	5	3,117
52	1	1,548
53	4	,829
54	2	1,275
55	1	1,153
56	4	1,199
57	2	1,576
58	2	1,027
59	2	1,247
60	4	2,107
61	5	1,543
62	5	2,012
63	2	,992
64	5	2,133
65	2	1,904
66	1	,964
67	2	1,027
68	2	1,383
69	2	1,330

Clusterzentren der endgültigen Lösung

	Cluster				
	1	2	3	4	5
A&C - Importance: Scientific Database & Information Services	2	3	2	3	3
A&C - Importance: Patent Department	3	4	1	3	3
A&C - Importance: Team	4	4	4	3	4
A&C - Importance: Department	4	3	4	3	4
A&C - Importance: Other Departments	3	3	3	2	4
A&C - Importance: Other Division	3	2	2	1	4
A&C - Importance: Other Sites	3	3	3	1	4

Distanz zwischen Clusterzentren der endgültigen Lösung

Cluster	1	2	3	4	5
1		1,753	2,609	3,230	1,891
2	1,753		3,292	2,479	2,072
3	2,609	3,292		3,033	3,320
4	3,230	2,479	3,033		3,948
5	1,891	2,072	3,320	3,948	

ANOVA

	Cluster		Fehler		F	Sig.
	Mittel der Quadrate	df	Mittel der Quadrate	df		
A&C - Importance: Scientific Database & Information Services	7,568	4	,462	64	16,389	,000
A&C - Importance: Patent Department	9,795	4	,574	64	17,066	,000
A&C - Importance: Team	,934	4	,165	64	5,664	,001
A&C - Importance: Department	1,317	4	,312	64	4,227	,004
A&C - Importance: Other Departments	3,111	4	,303	64	10,274	,000
A&C - Importance: Other Division	11,141	4	,517	64	21,548	,000
A&C - Importance: Other Sites	6,608	4	,373	64	17,729	,000

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

Anzahl der Fälle in jedem Cluster

Cluster	1	15,000
	2	28,000
	3	6,000
	4	8,000
	5	12,000
Gültig		69,000
Fehlend		,000

Diskriminanzanalyse

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Analyse der verarbeiteten Fälle.

Ungewichtete Fälle	N	Prozent
Gültig	69	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	69	100,0

Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
1	A&C - Importance: Scientific Database & Information Services	2,00	1,038	14	14,000
	A&C - Importance: Patent Department	1,57	,852	14	14,000
	A&C - Importance: Team	4,00	,000	14	14,000
	A&C - Importance: Department	3,71	,469	14	14,000
	A&C - Importance: Other Departments	3,36	,497	14	14,000
	A&C - Importance: Other Division	2,29	1,139	14	14,000
	A&C - Importance: Other Sites	3,29	,611	14	14,000
	2	A&C - Importance: Scientific Database & Information Services	3,00	,500	17
A&C - Importance: Patent Department		3,18	,809	17	17,000
A&C - Importance: Team		3,53	,624	17	17,000
A&C - Importance: Department		3,06	,659	17	17,000
A&C - Importance: Other Departments		2,53	,717	17	17,000
A&C - Importance: Other Division		1,24	,664	17	17,000
A&C - Importance: Other Sites		1,88	,781	17	17,000
3		A&C - Importance: Scientific Database & Information Services	3,13	,875	38
	A&C - Importance: Patent Department	3,76	,431	38	38,000
	A&C - Importance: Team	3,79	,413	38	38,000
	A&C - Importance: Department	3,58	,552	38	38,000
	A&C - Importance: Other Departments	3,32	,574	38	38,000
	A&C - Importance: Other Division	2,87	,777	38	38,000
	A&C - Importance: Other Sites	3,21	,577	38	38,000
	Gesamt	A&C - Importance: Scientific Database & Information Services	2,87	,938	69
A&C - Importance: Patent Department		3,17	1,057	69	69,000
A&C - Importance: Team		3,77	,458	69	69,000
A&C - Importance: Department		3,48	,609	69	69,000
A&C - Importance: Other Departments		3,13	,684	69	69,000
A&C - Importance: Other Division		2,35	1,069	69	69,000
A&C - Importance: Other Sites		2,90	,860	69	69,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
A&C - Importance: Scientific Database & Information Services	,775	9,602	2	66	,000
A&C - Importance: Patent Department	,353	60,588	2	66	,000
A&C - Importance: Team	,878	4,572	2	66	,014
A&C - Importance: Department	,835	6,512	2	66	,003
A&C - Importance: Other Departments	,743	11,390	2	66	,000
A&C - Importance: Other Division	,596	22,396	2	66	,000
A&C - Importance: Other Sites	,536	28,608	2	66	,000

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team	A&C - Importance: Department
Kovarianz	A&C - Importance: Scientific Database & Information Services	,702	,003	-,030	-,029
	A&C - Importance: Patent Department	,003	,406	,008	-,056
	A&C - Importance: Team	-,030	,008	,190	,138
	A&C - Importance: Department	-,029	-,056	,138	,319
	A&C - Importance: Other Departments	-,009	-,039	,102	,105
	A&C - Importance: Other Division	,071	,058	,043	-,003
	A&C - Importance: Other Sites	,045	,105	,026	-,066
Korrelation	A&C - Importance: Scientific Database & Information Services	1,000	,005	-,081	-,061
	A&C - Importance: Patent Department	,005	1,000	,028	-,155
	A&C - Importance: Team	-,081	,028	1,000	,560
	A&C - Importance: Department	-,061	-,155	,560	1,000
	A&C - Importance: Other Departments	-,017	-,103	,392	,311
	A&C - Importance: Other Division	,101	,109	,117	-,006
	A&C - Importance: Other Sites	,083	,259	,095	-,184

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Other Departments	A&C - Importance: Other Division	A&C - Importance: Other Sites
Kovarianz	A&C - Importance: Scientific Database & Information Services	-,009	,071	,045
	A&C - Importance: Patent Department	-,039	,058	,105
	A&C - Importance: Team	,102	,043	,026
	A&C - Importance: Department	,105	-,003	-,066
	A&C - Importance: Other Departments	,358	,122	,032
	A&C - Importance: Other Division	,122	,701	-,009
	A&C - Importance: Other Sites	,032	-,009	,408
	Korrelation	A&C - Importance: Scientific Database & Information Services	-,017	,101
A&C - Importance: Patent Department		-,103	,109	,259
A&C - Importance: Team		,392	,117	,095
A&C - Importance: Department		,311	-,006	-,184
A&C - Importance: Other Departments		1,000	,243	,083
A&C - Importance: Other Division		,243	1,000	-,018
A&C - Importance: Other Sites		,083	-,018	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 66.

Kovarianz-Matrizen^a

Cluster-Nr. des Falls	A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team	
1	A&C - Importance: Scientific Database & Information Services	1,077	-,308	,000
	A&C - Importance: Patent Department	-,308	,725	,000
	A&C - Importance: Team	,000	,000	,000
	A&C - Importance: Department	,000	,022	,000
	A&C - Importance: Other Departments	,077	-,220	,000
	A&C - Importance: Other Division	,385	-,022	,000
	A&C - Importance: Other Sites	,231	-,099	,000
2	A&C - Importance: Scientific Database & Information Services	,250	,125	-,063
	A&C - Importance: Patent Department	,125	,654	-,037
	A&C - Importance: Team	-,063	-,037	,390
	A&C - Importance: Department	-,063	-,261	,279
	A&C - Importance: Other Departments	,063	,088	,327
	A&C - Importance: Other Division	,125	,268	-,007
	A&C - Importance: Other Sites	,063	,397	,004
3	A&C - Importance: Scientific Database & Information Services	,766	,059	-,026
	A&C - Importance: Patent Department	,059	,186	,030
	A&C - Importance: Team	-,026	,030	,171
	A&C - Importance: Department	-,024	,006	,125
	A&C - Importance: Other Departments	-,070	-,031	,041
	A&C - Importance: Other Division	-,063	-,005	,080
	A&C - Importance: Other Sites	-,028	,051	,046
Gesamt	A&C - Importance: Scientific Database & Information Services	,880	,376	-,075
	A&C - Importance: Patent Department	,376	1,116	-,062
	A&C - Importance: Team	-,075	-,062	,210
	A&C - Importance: Department	-,069	-,099	,171
	A&C - Importance: Other Departments	-,042	-,052	,148
	A&C - Importance: Other Division	,120	,247	,111
	A&C - Importance: Other Sites	-,013	,077	,108

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Department	A&C - Importance: Other Departments
1	A&C - Importance: Scientific Database & Information Services	,000	,077
	A&C - Importance: Patent Department	,022	-,220
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,220	,033
	A&C - Importance: Other Departments	,033	,247
	A&C - Importance: Other Division	,088	,121
	A&C - Importance: Other Sites	,011	,044
	2	A&C - Importance: Scientific Database & Information Services	-,063
A&C - Importance: Patent Department		-,261	,088
A&C - Importance: Team		,279	,327
A&C - Importance: Department		,434	,217
A&C - Importance: Other Departments		,217	,515
A&C - Importance: Other Division		-,077	,118
A&C - Importance: Other Sites		-,243	,004
3		A&C - Importance: Scientific Database & Information Services	-,024
	A&C - Importance: Patent Department	,006	-,031
	A&C - Importance: Team	,125	,041
	A&C - Importance: Department	,304	,083
	A&C - Importance: Other Departments	,083	,330
	A&C - Importance: Other Division	-,003	,124
	A&C - Importance: Other Sites	-,017	,040
	Gesamt	A&C - Importance: Scientific Database & Information Services	-,069
A&C - Importance: Patent Department		-,099	-,052
A&C - Importance: Team		,171	,148
A&C - Importance: Department		,371	,187
A&C - Importance: Other Departments		,187	,468
A&C - Importance: Other Division		,140	,336
A&C - Importance: Other Sites		,079	,234

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Other Division	A&C - Importance: Other Sites
1	A&C - Importance: Scientific Database & Information Services	,385	,231
	A&C - Importance: Patent Department	-,022	-,099
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,088	,011
	A&C - Importance: Other Departments	,121	,044
	A&C - Importance: Other Division	1,297	-,165
	A&C - Importance: Other Sites	-,165	,374
	2	A&C - Importance: Scientific Database & Information Services	,125
A&C - Importance: Patent Department		,268	,397
A&C - Importance: Team		-,007	,004
A&C - Importance: Department		-,077	-,243
A&C - Importance: Other Departments		,118	,004
A&C - Importance: Other Division		,441	,092
A&C - Importance: Other Sites		,092	,610
3		A&C - Importance: Scientific Database & Information Services	-,063
	A&C - Importance: Patent Department	-,005	,051
	A&C - Importance: Team	,080	,046
	A&C - Importance: Department	-,003	-,017
	A&C - Importance: Other Departments	,124	,040
	A&C - Importance: Other Division	,604	,001
	A&C - Importance: Other Sites	,001	,333
	Gesamt	A&C - Importance: Scientific Database & Information Services	,120
A&C - Importance: Patent Department		,247	,077
A&C - Importance: Team		,111	,108
A&C - Importance: Department		,140	,079
A&C - Importance: Other Departments		,336	,234
A&C - Importance: Other Division		1,142	,359
A&C - Importance: Other Sites		,359	,740

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 68.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	. ^a
2	7	-9,077
3	7	-8,492
Gemeinsam innerhalb der Gruppen	7	-7,233

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

a. Singulär

Textergebnisse^a

Box-M		46,917
F	Näherungswert	1,371
	df1	28
	df2	3591,329
	Signifikanz	,092

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

a. Einige der Kovarianz-Matrizen sind singulär, so daß die übliche Vorgehensweise ungeeignet ist. Die nicht-singulären Gruppen werden gegenüber der eigenen gemeinsamen Kovarianzmatrix innerhalb der Gruppen getestet. Der Logarithmus der Determinanten ist -7,784.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	2,623 ^a	57,5	57,5	,851
2	1,935 ^a	42,5	100,0	,812

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	,094	148,932	14	,000
2	,341	67,840	6	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion	
	1	2
A&C - Importance: Scientific Database & Information Services	,371	,043
A&C - Importance: Patent Department	,891	,413
A&C - Importance: Team	-,068	-,395
A&C - Importance: Department	-,128	,570
A&C - Importance: Other Departments	,077	,191
A&C - Importance: Other Division	-,261	,544
A&C - Importance: Other Sites	-,612	,579

Struktur-Matrix

	Funktion	
	1	2
A&C - Importance: Patent Department	,716*	,504
A&C - Importance: Scientific Database & Information Services	,310*	,142
A&C - Importance: Team	-,203*	,126
A&C - Importance: Other Division	-,104	,580*
A&C - Importance: Other Sites	-,322	,554*
A&C - Importance: Other Departments	-,202	,351*
A&C - Importance: Department	-,189	,232*

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
A&C - Importance: Scientific Database & Information Services	,442	,051
A&C - Importance: Patent Department	1,400	,649
A&C - Importance: Team	-,156	-,906
A&C - Importance: Department	-,227	1,008
A&C - Importance: Other Departments	,129	,320
A&C - Importance: Other Division	-,311	,650
A&C - Importance: Other Sites	-,958	,907
(Konstant)	-1,230	-7,454

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion	
	1	2
1	-3,040	-,674
2	1,436	-2,035
3	,477	1,158

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		69
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		69

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,333	14	14,000
2	,333	17	17,000
3	,333	38	38,000
Gesamt	1,000	69	69,000

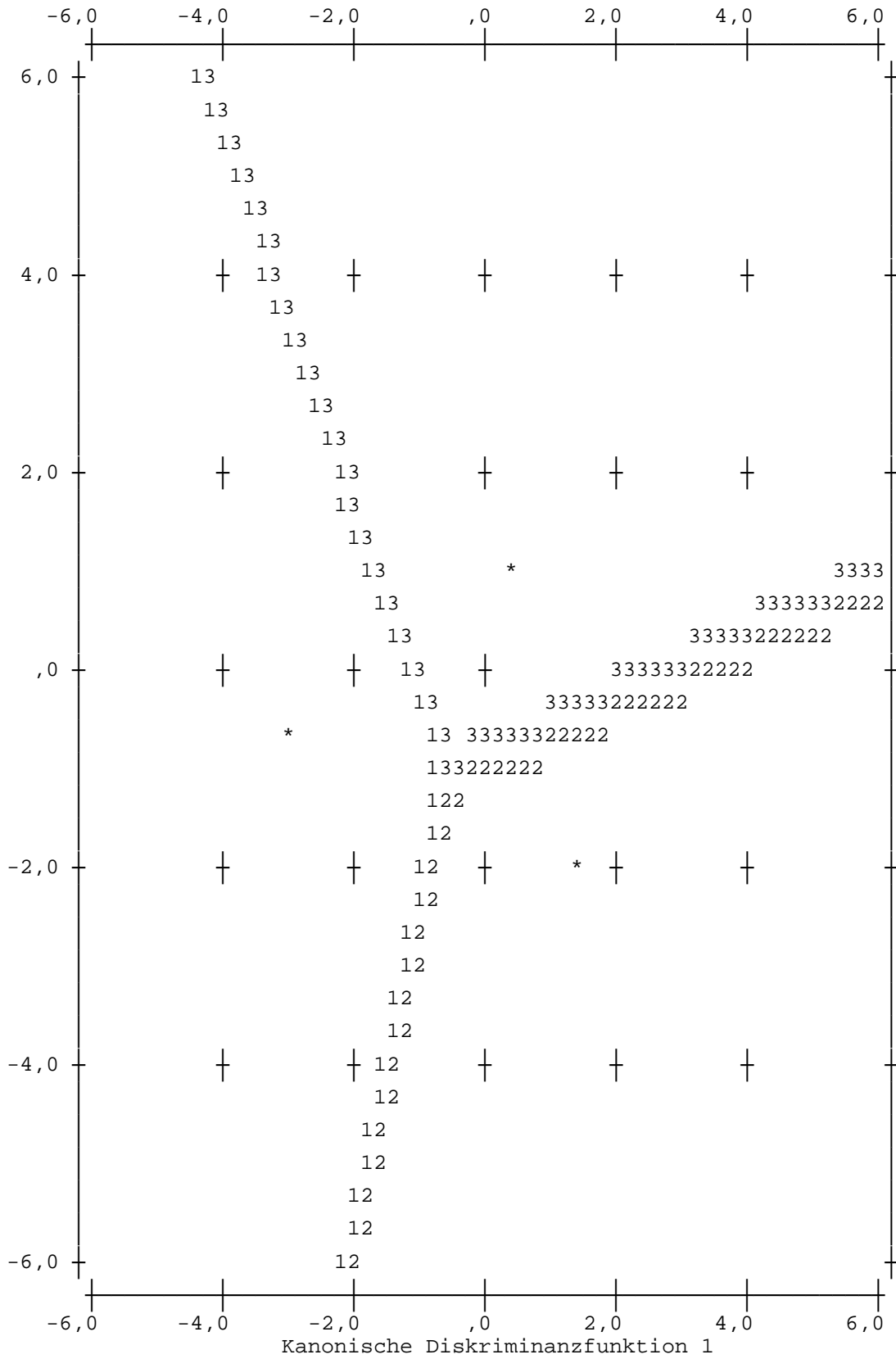
Klassifizierungsfunktionskoeffizienten

	Cluster-Nr. des Falls		
	1	2	3
A&C - Importance: Scientific Database & Information Services	3,117	5,027	4,767
A&C - Importance: Patent Department	2,765	8,147	8,877
A&C - Importance: Team	13,392	13,927	11,184
A&C - Importance: Department	7,246	4,857	8,295
A&C - Importance: Other Departments	2,621	2,765	3,661
A&C - Importance: Other Division	1,571	-,707	1,667
A&C - Importance: Other Sites	7,135	1,611	5,425
(Konstant)	-64,547	-58,162	-78,469

Lineare Diskriminanzfunktionen nach Fisher

Territorien

Kanonische Diskriminanz-
funktion 2

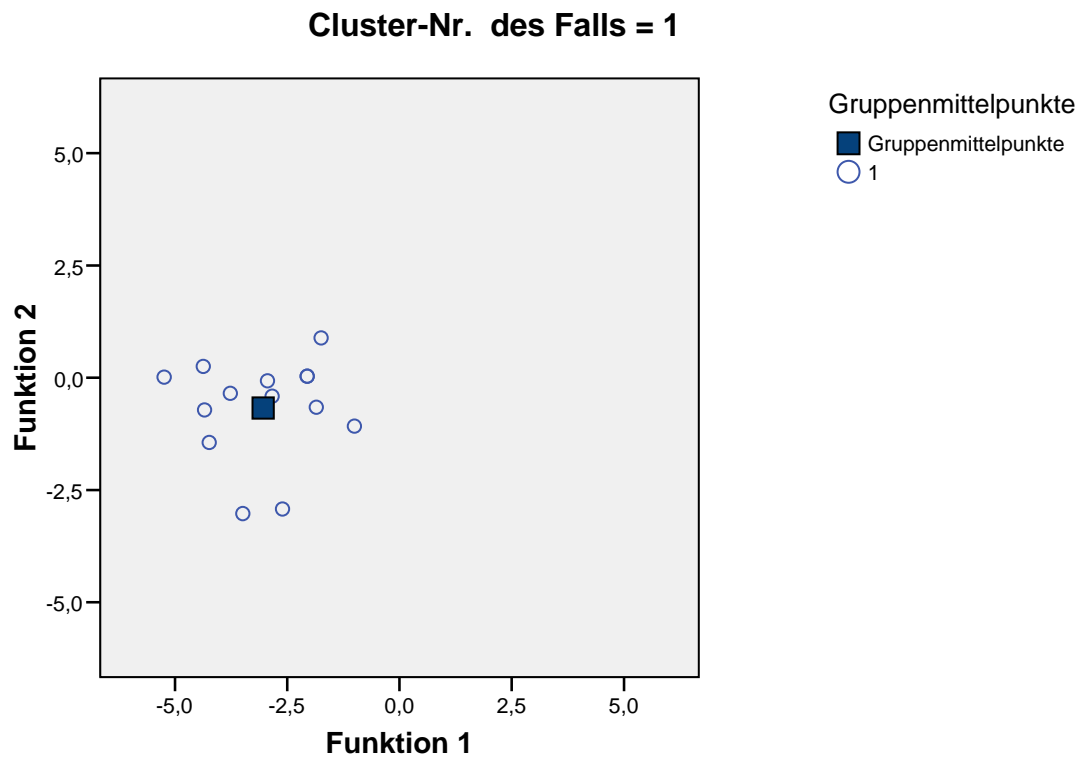


Symbole für Territorien

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

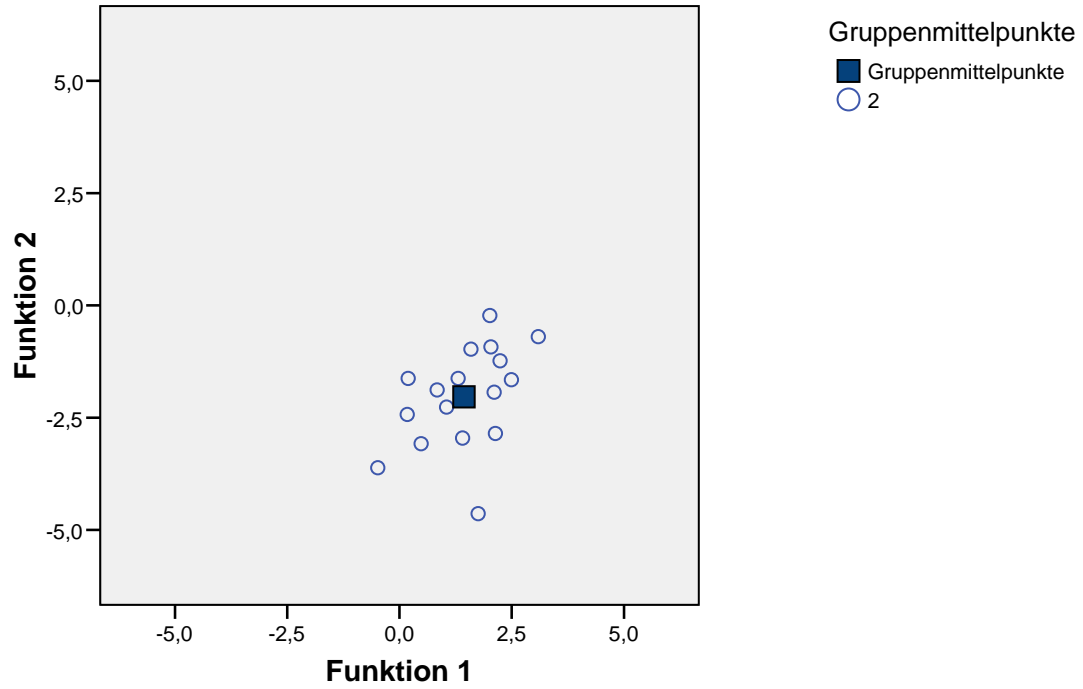
Graphische Darstellung getrennter Gruppen

Kanonische Diskriminanzfunktion



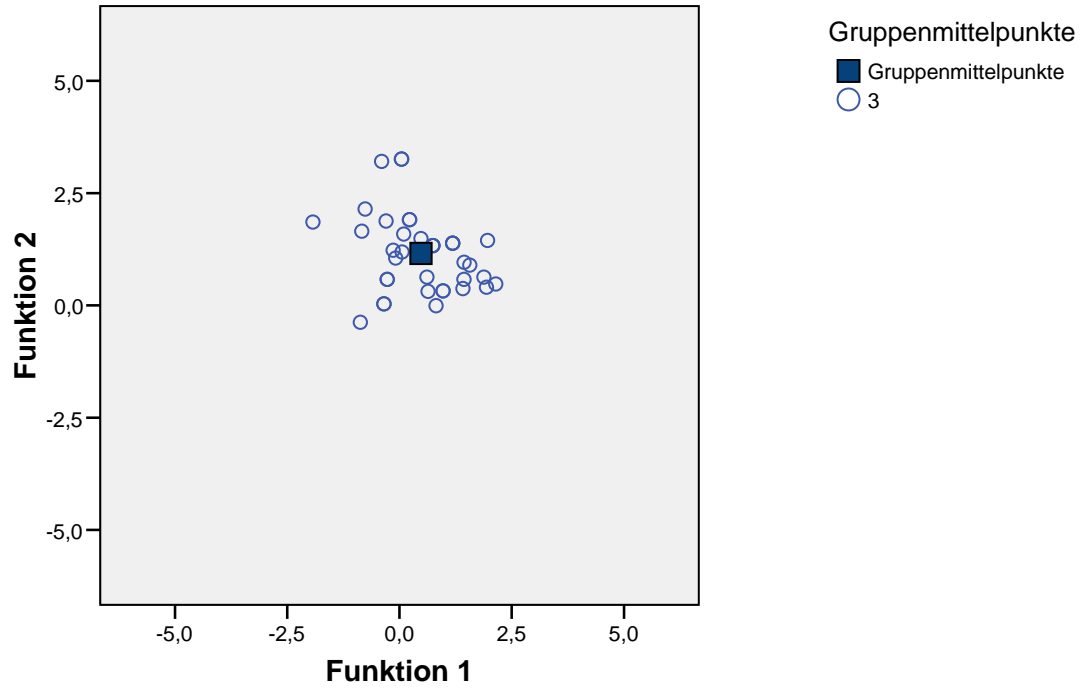
Kanonische Diskriminanzfunktion

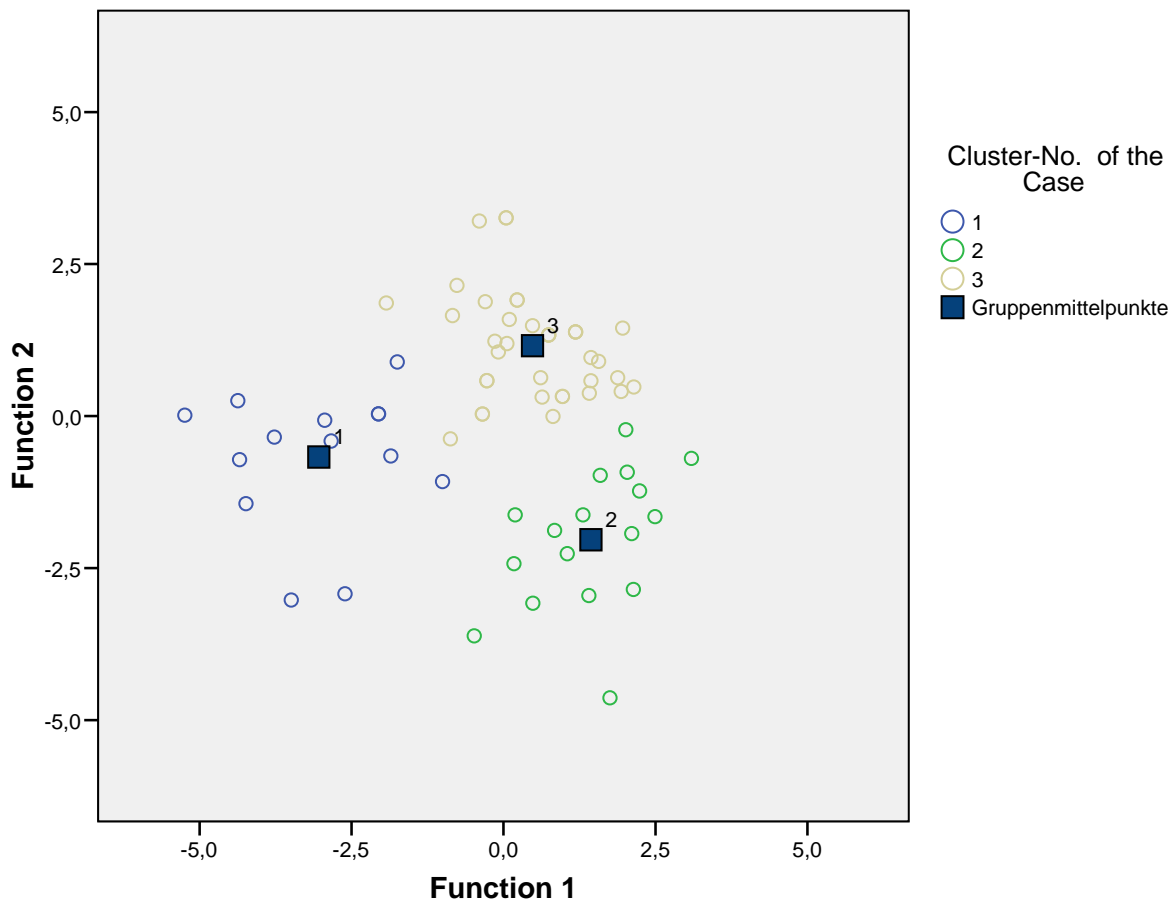
Cluster-Nr. des Falls = 2



Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 3





Klassifizierungsergebnisse^{b,c}

			Vorhergesagte Gruppenzugehörigkeit			Gesamt
			1	2	3	
Original	Anzahl	1	14	0	0	14
		2	0	17	0	17
		3	0	0	38	38
	%	1	100,0	,0	,0	100,0
		2	,0	100,0	,0	100,0
		3	,0	,0	100,0	100,0
Kreuzvalidiert ^a	Anzahl	1	12	1	1	14
		2	0	16	1	17
		3	2	0	36	38
	%	1	85,7	7,1	7,1	100,0
		2	,0	94,1	5,9	100,0
		3	5,3	,0	94,7	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. 92,8% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet12] \\RPZMS000362\U_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_fertigeDateien\scientists results\User Analysis\A&C_CommunicationSources.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle	N	Prozent
Gültig	69	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	69	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
1	A&C - Importance: Scientific Database & Information Services	2,00	1,000	15	15,000
	A&C - Importance: Patent Department	3,47	,743	15	15,000
	A&C - Importance: Team	4,00	,000	15	15,000
	A&C - Importance: Department	3,87	,352	15	15,000
	A&C - Importance: Other Departments	3,33	,488	15	15,000
	A&C - Importance: Other Division	2,67	,617	15	15,000
	A&C - Importance: Other Sites	3,27	,594	15	15,000
	2	A&C - Importance: Scientific Database & Information Services	3,25	,577	16
A&C - Importance: Patent Department		2,81	1,276	16	16,000
A&C - Importance: Team		3,81	,403	16	16,000
A&C - Importance: Department		3,56	,629	16	16,000
A&C - Importance: Other Departments		3,69	,479	16	16,000
A&C - Importance: Other Division		3,50	,516	16	16,000
A&C - Importance: Other Sites		3,31	,704	16	16,000

Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
3	A&C - Importance: Scientific Database & Information Services	1,67	,816	6	6,000
	A&C - Importance: Patent Department	1,33	,516	6	6,000
	A&C - Importance: Team	3,83	,408	6	6,000
	A&C - Importance: Department	3,50	,548	6	6,000
	A&C - Importance: Other Departments	2,83	,983	6	6,000
	A&C - Importance: Other Division	1,00	1,095	6	6,000
	A&C - Importance: Other Sites	3,17	,753	6	6,000
	4	A&C - Importance: Scientific Database & Information Services	3,31	,535	32
A&C - Importance: Patent Department		3,56	,669	32	32,000
A&C - Importance: Team		3,63	,554	32	32,000
A&C - Importance: Department		3,25	,622	32	32,000
A&C - Importance: Other Departments		2,81	,592	32	32,000
A&C - Importance: Other Division		1,88	,833	32	32,000
A&C - Importance: Other Sites		2,47	,879	32	32,000
Gesamt		A&C - Importance: Scientific Database & Information Services	2,87	,938	69
	A&C - Importance: Patent Department	3,17	1,057	69	69,000
	A&C - Importance: Team	3,77	,458	69	69,000
	A&C - Importance: Department	3,48	,609	69	69,000
	A&C - Importance: Other Departments	3,13	,684	69	69,000
	A&C - Importance: Other Division	2,35	1,069	69	69,000
	A&C - Importance: Other Sites	2,90	,860	69	69,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
A&C - Importance: Scientific Database & Information Services	,522	19,868	3	65	,000
A&C - Importance: Patent Department	,624	13,049	3	65	,000
A&C - Importance: Team	,894	2,577	3	65	,061
A&C - Importance: Department	,840	4,141	3	65	,010
A&C - Importance: Other Departments	,706	9,009	3	65	,000
A&C - Importance: Other Division	,474	24,011	3	65	,000
A&C - Importance: Other Sites	,779	6,149	3	65	,001

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team	A&C - Importance: Department
Kovarianz	A&C - Importance: Scientific Database & Information Services	,480	,197	,003	,050
	A&C - Importance: Patent Department	,197	,729	-,038	-,075
	A&C - Importance: Team	,003	-,038	,196	,141
	A&C - Importance: Department	,050	-,075	,141	,326
	A&C - Importance: Other Departments	-,019	-,009	,118	,130
	A&C - Importance: Other Division	,035	,201	,062	,044
	A&C - Importance: Other Sites	,145	,220	,057	-,008
	Korrelation	A&C - Importance: Scientific Database & Information Services	1,000	,333	,008
A&C - Importance: Patent Department		,333	1,000	-,101	-,154
A&C - Importance: Team		,008	-,101	1,000	,559
A&C - Importance: Department		,126	-,154	,559	1,000
A&C - Importance: Other Departments		-,046	-,017	,451	,389
A&C - Importance: Other Division		,066	,313	,184	,101
A&C - Importance: Other Sites		,269	,332	,167	-,018

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Other Departments	A&C - Importance: Other Division	A&C - Importance: Other Sites
Kovarianz	A&C - Importance: Scientific Database & Information Services	-,019	,035	,145
	A&C - Importance: Patent Department	-,009	,201	,220
	A&C - Importance: Team	,118	,062	,057
	A&C - Importance: Department	,130	,044	-,008
	A&C - Importance: Other Departments	,346	,068	,111
	A&C - Importance: Other Division	,068	,567	,165
	A&C - Importance: Other Sites	,111	,165	,603
	Korrelation	A&C - Importance: Scientific Database & Information Services	-,046	,066
A&C - Importance: Patent Department		-,017	,313	,332
A&C - Importance: Team		,451	,184	,167
A&C - Importance: Department		,389	,101	-,018
A&C - Importance: Other Departments		1,000	,153	,243
A&C - Importance: Other Division		,153	1,000	,282
A&C - Importance: Other Sites		,243	,282	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 65.

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team
1	A&C - Importance: Scientific Database & Information Services	1,000	,357	,000
	A&C - Importance: Patent Department	,357	,552	,000
	A&C - Importance: Team	,000	,000	,000
	A&C - Importance: Department	,071	,067	,000
	A&C - Importance: Other Departments	-,071	-,024	,000
	A&C - Importance: Other Division	-,286	-,048	,000
	A&C - Importance: Other Sites	,286	,152	,000
	2	A&C - Importance: Scientific Database & Information Services	,333	,183
A&C - Importance: Patent Department		,183	1,629	-,038
A&C - Importance: Team		,050	-,038	,163
A&C - Importance: Department		,117	-,154	,113
A&C - Importance: Other Departments		,083	,004	,071
A&C - Importance: Other Division		,067	,367	,100
A&C - Importance: Other Sites		,050	-,004	,129
3		A&C - Importance: Scientific Database & Information Services	,667	,133
	A&C - Importance: Patent Department	,133	,267	-,133
	A&C - Importance: Team	-,067	-,133	,167
	A&C - Importance: Department	-,200	,000	,100
	A&C - Importance: Other Departments	-,267	-,333	,367
	A&C - Importance: Other Division	-,200	-,200	,200
	A&C - Importance: Other Sites	-,133	-,067	,233

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team
4	A&C - Importance: Scientific Database & Information Services	,286	,141	-,008
	A&C - Importance: Patent Department	,141	,448	-,040
	A&C - Importance: Team	-,008	-,040	,306
	A&C - Importance: Department	,048	-,113	,226
	A&C - Importance: Other Departments	-,004	,044	,153
	A&C - Importance: Other Division	,202	,298	,048
	A&C - Importance: Other Sites	,171	,405	,020
Gesamt	A&C - Importance: Scientific Database & Information Services	,880	,376	-,075
	A&C - Importance: Patent Department	,376	1,116	-,062
	A&C - Importance: Team	-,075	-,062	,210
	A&C - Importance: Department	-,069	-,099	,171
	A&C - Importance: Other Departments	-,042	-,052	,148
	A&C - Importance: Other Division	,120	,247	,111
	A&C - Importance: Other Sites	-,013	,077	,108

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Department	A&C - Importance: Other Departments
1	A&C - Importance: Scientific Database & Information Services	,071	-,071
	A&C - Importance: Patent Department	,067	-,024
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,124	,048
	A&C - Importance: Other Departments	,048	,238
	A&C - Importance: Other Division	,024	,048
	A&C - Importance: Other Sites	,038	,048
	2	A&C - Importance: Scientific Database & Information Services	,117
A&C - Importance: Patent Department		-,154	,004
A&C - Importance: Team		,113	,071
A&C - Importance: Department		,396	,054
A&C - Importance: Other Departments		,054	,229
A&C - Importance: Other Division		-,033	,100
A&C - Importance: Other Sites		-,054	,038
3		A&C - Importance: Scientific Database & Information Services	-,200
	A&C - Importance: Patent Department	,000	-,333
	A&C - Importance: Team	,100	,367
	A&C - Importance: Department	,300	,300
	A&C - Importance: Other Departments	,300	,967
	A&C - Importance: Other Division	,200	,200
	A&C - Importance: Other Sites	,300	,633

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Department	A&C - Importance: Other Departments
4	A&C - Importance: Scientific Database & Information Services	,048	-,004
	A&C - Importance: Patent Department	-,113	,044
	A&C - Importance: Team	,226	,153
	A&C - Importance: Department	,387	,177
	A&C - Importance: Other Departments	,177	,351
	A&C - Importance: Other Division	,065	,040
	A&C - Importance: Other Sites	-,056	,091
	Gesamt		
A&C - Importance: Scientific Database & Information Services	-,069	-,042	
A&C - Importance: Patent Department	-,099	-,052	
A&C - Importance: Team	,171	,148	
A&C - Importance: Department	,371	,187	
A&C - Importance: Other Departments	,187	,468	
A&C - Importance: Other Division	,140	,336	
A&C - Importance: Other Sites	,079	,234	

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Other Division	A&C - Importance: Other Sites
1	A&C - Importance: Scientific Database & Information Services	-,286	,286
	A&C - Importance: Patent Department	-,048	,152
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,024	,038
	A&C - Importance: Other Departments	,048	,048
	A&C - Importance: Other Division	,381	-,190
	A&C - Importance: Other Sites	-,190	,352
	2	A&C - Importance: Scientific Database & Information Services	,067
A&C - Importance: Patent Department		,367	-,004
A&C - Importance: Team		,100	,129
A&C - Importance: Department		-,033	-,054
A&C - Importance: Other Departments		,100	,038
A&C - Importance: Other Division		,267	,167
A&C - Importance: Other Sites		,167	,496
3		A&C - Importance: Scientific Database & Information Services	-,200
	A&C - Importance: Patent Department	-,200	-,067
	A&C - Importance: Team	,200	,233
	A&C - Importance: Department	,200	,300
	A&C - Importance: Other Departments	,200	,633
	A&C - Importance: Other Division	1,200	,000
	A&C - Importance: Other Sites	,000	,567

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Other Division	A&C - Importance: Other Sites
4	A&C - Importance: Scientific Database & Information Services	,202	,171
	A&C - Importance: Patent Department	,298	,405
	A&C - Importance: Team	,048	,020
	A&C - Importance: Department	,065	-,056
	A&C - Importance: Other Departments	,040	,091
	A&C - Importance: Other Division	,694	,351
	A&C - Importance: Other Sites	,351	,773
	Gesamt		
	A&C - Importance: Scientific Database & Information Services	,120	-,013
	A&C - Importance: Patent Department	,247	,077
	A&C - Importance: Team	,111	,108
	A&C - Importance: Department	,140	,079
	A&C - Importance: Other Departments	,336	,234
	A&C - Importance: Other Division	1,142	,359
	A&C - Importance: Other Sites	,359	,740

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 68.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log- Determinante
1	6	. ^a
2	7	-9,330
3	. ^b	. ^c
4	7	-8,518
Gemeinsam innerhalb der Gruppen	7	-7,242

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

- a. Singulär
- b. Rang < 6
- c. Zu wenig Fälle für Nicht-Singularität

Textergebnisse^a

Box-M		111,750
F	Näherungswert	3,200
	df1	28
	df2	3293,932
	Signifikanz	,000

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

- a. Einige der Kovarianz-Matrizen sind singulär, so daß die übliche Vorgehensweise ungeeignet ist. Die nicht-singulären Gruppen werden gegenüber der eigenen gemeinsamen Kovarianzmatrix innerhalb der Gruppen getestet. Der Logarithmus der Determinanten ist -6,353.

Zusammenfassung der kanonischen Diskriminanzfunktionen

Eigenwerte

Funktion	Eigenwert	% der Varianz	Kumulierte %	Kanonische Korrelation
1	1,773 ^a	44,0	44,0	,800
2	1,612 ^a	40,0	83,9	,786
3	,649 ^a	16,1	100,0	,627

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

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 3	,084	155,009	21	,000
2 bis 3	,232	91,261	12	,000
3	,606	31,265	5	,000

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion		
	1	2	3
A&C - Importance: Scientific Database & Information Services	,917	-,253	-,396
A&C - Importance: Patent Department	-,171	-,578	,969
A&C - Importance: Team	-,114	-,294	,018
A&C - Importance: Department	-,474	,191	,387
A&C - Importance: Other Departments	,453	,296	,044
A&C - Importance: Other Division	,546	,699	,251
A&C - Importance: Other Sites	-,541	,450	-,252

Struktur-Matrix

	Funktion		
	1	2	3
A&C - Importance: Scientific Database & Information Services	,670*	-,270	-,077
A&C - Importance: Other Division	,401	,638*	,506
A&C - Importance: Other Departments	,130	,475*	,181
A&C - Importance: Other Sites	-,098	,406*	,040
A&C - Importance: Department	-,154	,261*	,245
A&C - Importance: Team	-,139	,206*	,157
A&C - Importance: Patent Department	,203	-,299	,770*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen

Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion		
	1	2	3
A&C - Importance: Scientific Database & Information Services	1,324	-,365	-,571
A&C - Importance: Patent Department	-,200	-,677	1,136
A&C - Importance: Team	-,258	-,664	,041
A&C - Importance: Department	-,830	,334	,679
A&C - Importance: Other Departments	,770	,504	,074
A&C - Importance: Other Division	,725	,928	,333
A&C - Importance: Other Sites	-,697	,579	-,325
(Konstant)	-1,397	-,898	-4,553

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion		
	1	2	3
1	-1,461	,707	1,104
2	1,471	1,694	-,278
3	-2,653	,405	-1,944
4	,447	-1,254	-,014

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		69
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		69

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,250	15	15,000
2	,250	16	16,000
3	,250	6	6,000
4	,250	32	32,000
Gesamt	1,000	69	69,000

Klassifizierungsfunktionskoeffizienten

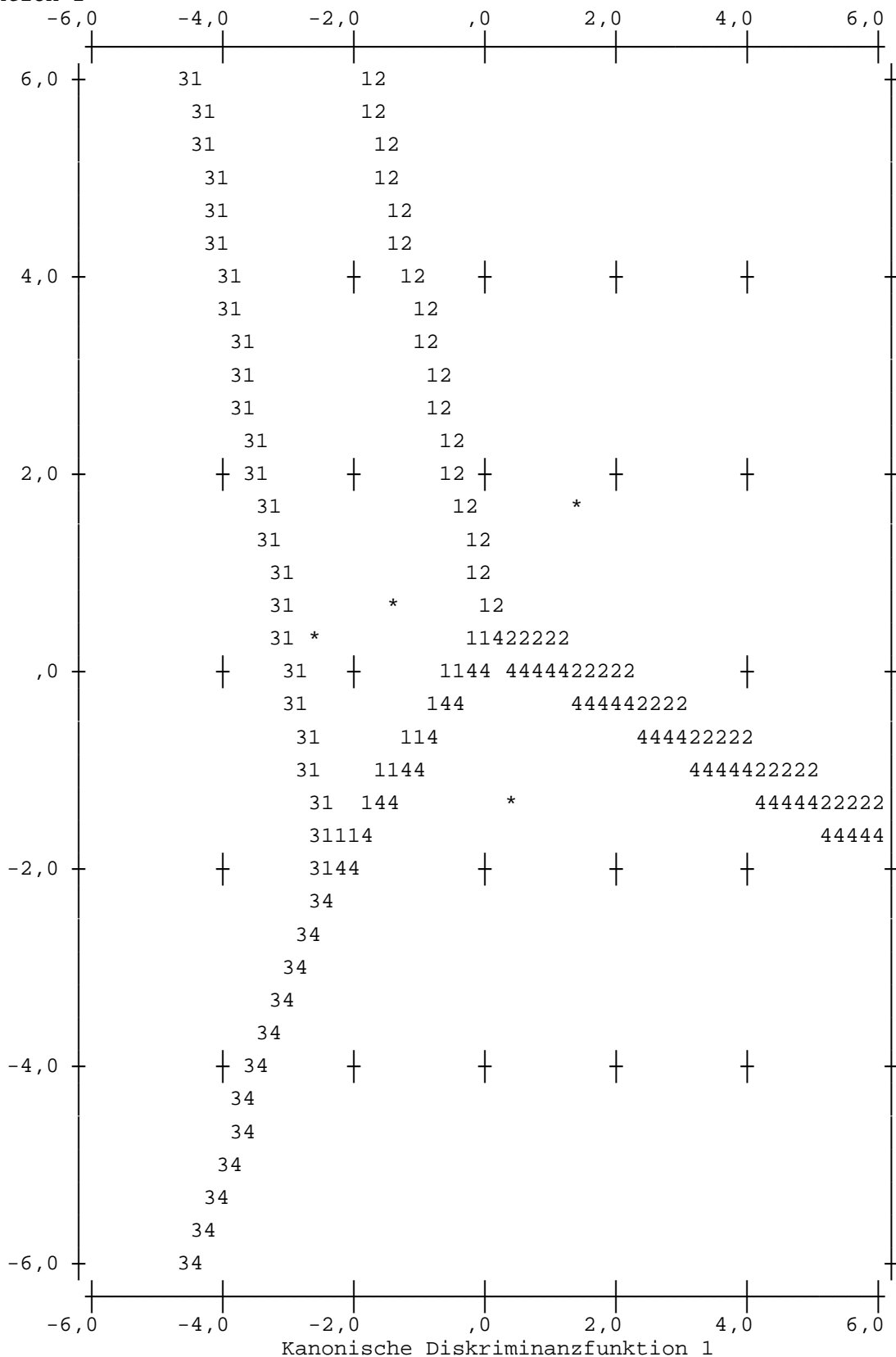
	Cluster-Nr. des Falls			
	1	2	3	4
A&C - Importance: Scientific Database & Information Services	,926	5,236	1,199	4,806
A&C - Importance: Patent Department	5,523	2,698	2,505	5,201
A&C - Importance: Team	16,072	14,603	16,455	16,836
A&C - Importance: Department	5,303	2,260	4,122	2,303
A&C - Importance: Other Departments	1,932	4,585	,637	2,331
A&C - Importance: Other Division	-,103	2,480	-2,264	-,912
A&C - Importance: Other Sites	1,397	,374	3,043	-,706
(Konstant)	-59,644	-58,965	-47,397	-54,421

Lineare Diskriminanzfunktionen nach Fisher

Territorien

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

Kanonische Diskriminanz-
funktion 2

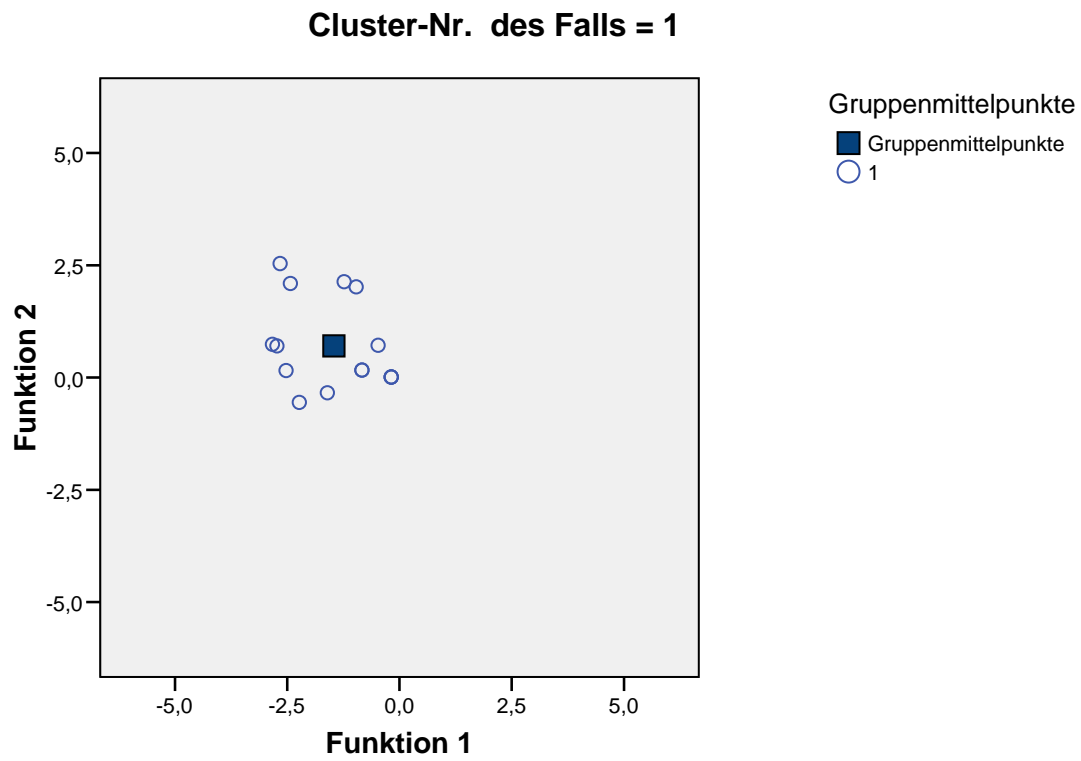


Symbole für Territorien

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

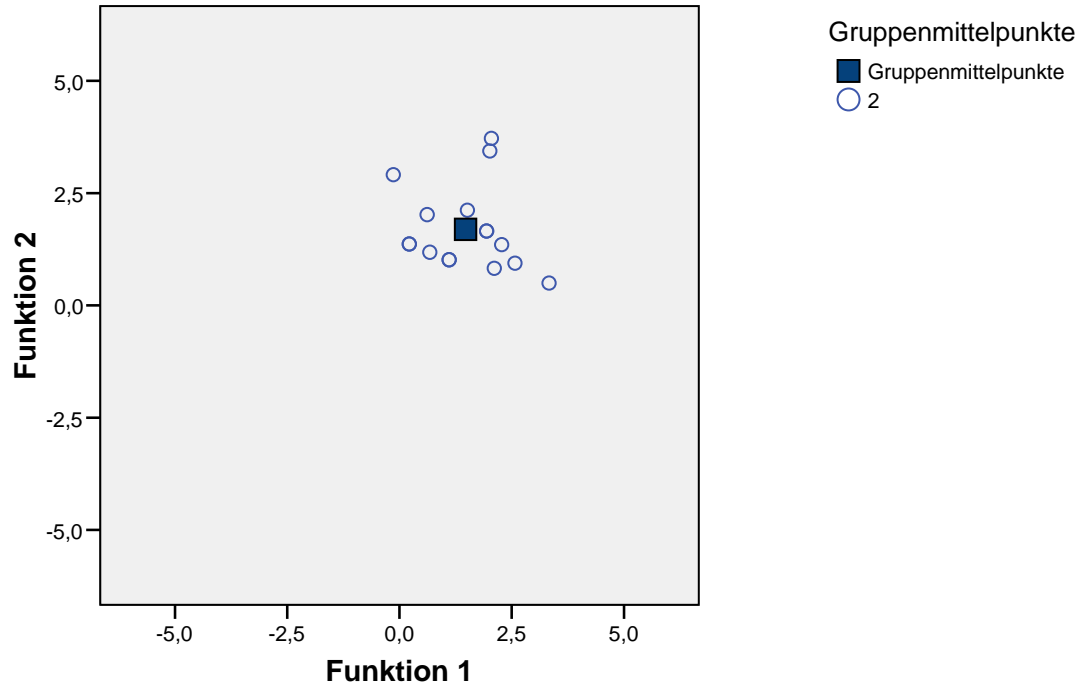
Graphische Darstellung getrennter Gruppen

Kanonische Diskriminanzfunktion



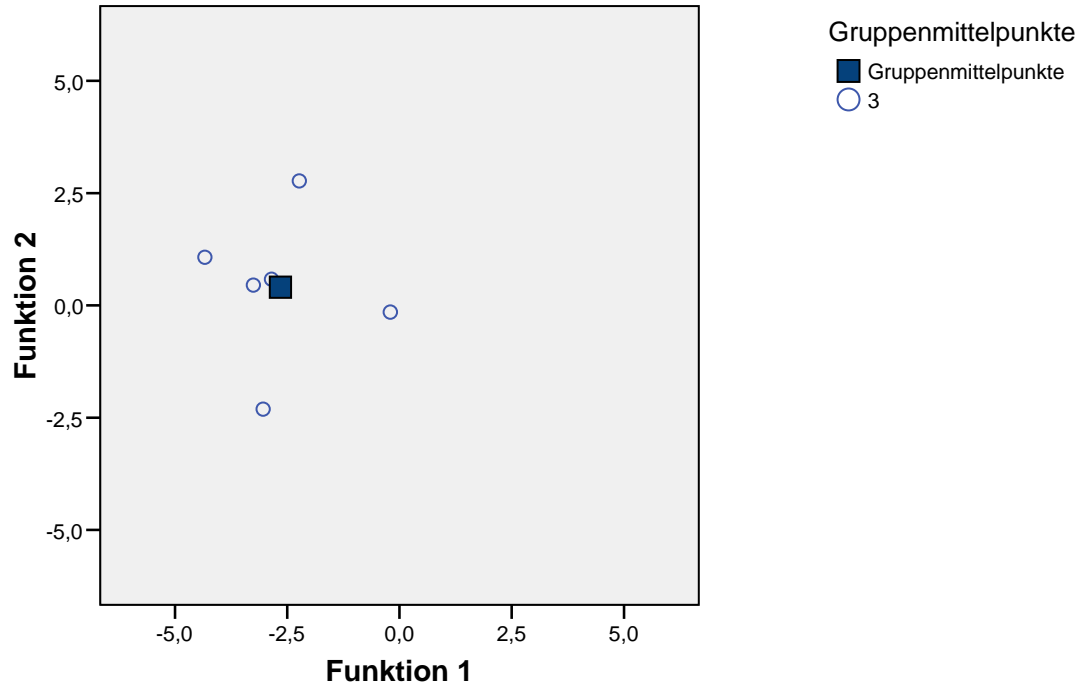
Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 2

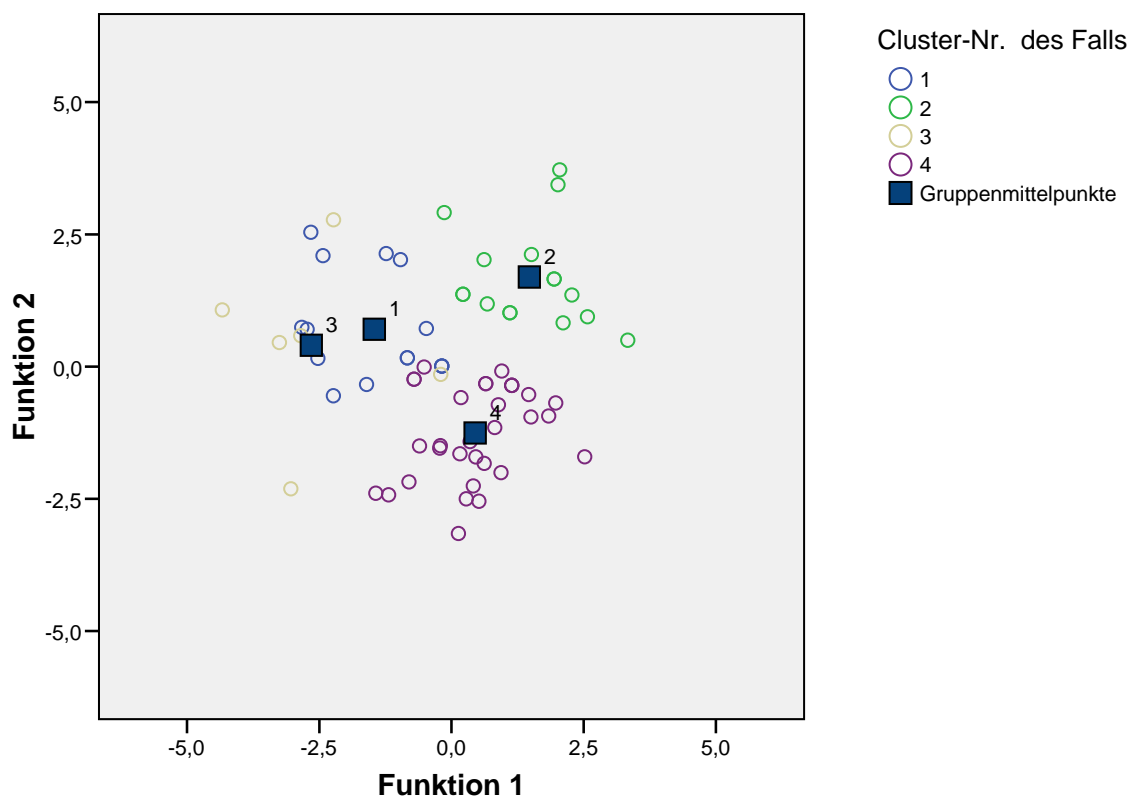


Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 3



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse^{b,c}

			Vorhergesagte Gruppenzugehörigkeit		
			1	2	3
Original	Anzahl	1	15	0	0
		2	0	16	0
		3	0	0	6
		4	0	0	0
	%	1	100,0	,0	,0
		2	,0	100,0	,0
		3	,0	,0	100,0
		4	,0	,0	,0
Kreuzvalidiert ^a	Anzahl	1	15	0	0
		2	0	16	0
		3	1	0	3
		4	1	1	0
	%	1	100,0	,0	,0
		2	,0	100,0	,0
		3	16,7	,0	50,0
		4	3,1	3,1	,0

Klassifizierungsergebnisse^{b,c}

			Vorherges	
			4	Gesamt
Original	Anzahl	1	0	15
		2	0	16
		3	0	6
		4	32	32
	%	1	,0	100,0
		2	,0	100,0
		3	,0	100,0
		4	100,0	100,0
Kreuzvalidiert ^a	Anzahl	1	0	15
		2	0	16
		3	2	6
		4	30	32
	%	1	,0	100,0
		2	,0	100,0
		3	33,3	100,0
		4	93,8	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. 92,8% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.

Diskriminanzanalyse

[DatenSet12] \\RPZMS000362\U_muehlbs1\$\My Documents\Muehlbacher\Diss\Diss_Kapitel\work report_fertigeDateien\scientists results\User Analysis\A&C_CommunicationSources.sav

Analyse der verarbeiteten Fälle.

Ungewichtete Fälle		N	Prozent
Gültig		69	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		69	100,0

Gruppenstatistik

Cluster-Nr. des Falls		Mittelwert	Standardabweichung	Gültige Werte (listenweise)	
				Ungewichtet	Gewichtet
1	A&C - Importance: Scientific Database & Information Services	2,00	1,000	15	15,000
	A&C - Importance: Patent Department	3,47	,743	15	15,000
	A&C - Importance: Team	4,00	,000	15	15,000

Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
1	A&C - Importance: Department	3,87	,352	15	15,000
	A&C - Importance: Other Departments	3,33	,488	15	15,000
	A&C - Importance: Other Division	2,67	,617	15	15,000
	A&C - Importance: Other Sites	3,27	,594	15	15,000
2	A&C - Importance: Scientific Database & Information Services	3,36	,559	28	28,000
	A&C - Importance: Patent Department	3,75	,441	28	28,000
	A&C - Importance: Team	3,61	,567	28	28,000
	A&C - Importance: Department	3,21	,568	28	28,000
	A&C - Importance: Other Departments	2,96	,508	28	28,000
	A&C - Importance: Other Division	2,21	,738	28	28,000
	A&C - Importance: Other Sites	2,79	,568	28	28,000
3	A&C - Importance: Scientific Database & Information Services	1,67	,816	6	6,000
	A&C - Importance: Patent Department	1,17	,408	6	6,000
	A&C - Importance: Team	4,00	,000	6	6,000
	A&C - Importance: Department	3,67	,516	6	6,000
	A&C - Importance: Other Departments	3,33	,516	6	6,000
	A&C - Importance: Other Division	1,50	1,225	6	6,000
	A&C - Importance: Other Sites	3,33	,516	6	6,000
4	A&C - Importance: Scientific Database & Information Services	2,88	,354	8	8,000
	A&C - Importance: Patent Department	2,50	,535	8	8,000
	A&C - Importance: Team	3,38	,518	8	8,000
	A&C - Importance: Department	3,25	,707	8	8,000
	A&C - Importance: Other Departments	2,25	,886	8	8,000
	A&C - Importance: Other Division	,88	,641	8	8,000
	A&C - Importance: Other Sites	1,38	,744	8	8,000

Gruppenstatistik

Cluster-Nr. des Falls	Mittelwert	Standardabweichung	Gültige Werte (listenweise)		
			Ungewichtet	Gewichtet	
5	A&C - Importance: Scientific Database & Information Services	3,42	,515	12	12,000
	A&C - Importance: Patent Department	2,92	1,379	12	12,000
	A&C - Importance: Team	4,00	,000	12	12,000
	A&C - Importance: Department	3,67	,651	12	12,000
	A&C - Importance: Other Departments	3,75	,452	12	12,000
	A&C - Importance: Other Division	3,67	,492	12	12,000
	A&C - Importance: Other Sites	3,50	,674	12	12,000
Gesamt	A&C - Importance: Scientific Database & Information Services	2,87	,938	69	69,000
	A&C - Importance: Patent Department	3,17	1,057	69	69,000
	A&C - Importance: Team	3,77	,458	69	69,000
	A&C - Importance: Department	3,48	,609	69	69,000
	A&C - Importance: Other Departments	3,13	,684	69	69,000
	A&C - Importance: Other Division	2,35	1,069	69	69,000
	A&C - Importance: Other Sites	2,90	,860	69	69,000

Gleichheitstest der Gruppenmittelwerte

	Wilks-Lambda	F	df1	df2	Signifikanz
A&C - Importance: Scientific Database & Information Services	,494	16,389	4	64	,000
A&C - Importance: Patent Department	,484	17,066	4	64	,000
A&C - Importance: Team	,739	5,664	4	64	,001
A&C - Importance: Department	,791	4,227	4	64	,004
A&C - Importance: Other Departments	,609	10,274	4	64	,000
A&C - Importance: Other Division	,426	21,548	4	64	,000
A&C - Importance: Other Sites	,474	17,729	4	64	,000

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team	A&C - Importance: Department
Kovarianz	A&C - Importance: Scientific Database & Information Services	,462	,137	,005	,064
	A&C - Importance: Patent Department	,137	,574	-,020	-,040
	A&C - Importance: Team	,005	-,020	,165	,119
	A&C - Importance: Department	,064	-,040	,119	,312
	A&C - Importance: Other Departments	-,007	-,034	,060	,110
	A&C - Importance: Other Division	-,009	,055	-,020	,031
	A&C - Importance: Other Sites	,073	,067	-,023	-,035
	Korrelation	A&C - Importance: Scientific Database & Information Services	1,000	,266	,017
A&C - Importance: Patent Department		,266	1,000	-,063	-,095
A&C - Importance: Team		,017	-,063	1,000	,524
A&C - Importance: Department		,169	-,095	,524	1,000
A&C - Importance: Other Departments		-,020	-,081	,270	,358
A&C - Importance: Other Division		-,019	,100	-,068	,076
A&C - Importance: Other Sites		,176	,145	-,093	-,104

Gemeinsam Matrizen innerhalb der Gruppen^a

		A&C - Importance: Other Departments	A&C - Importance: Other Division	A&C - Importance: Other Sites
Kovarianz	A&C - Importance: Scientific Database & Information Services	-,007	-,009	,073
	A&C - Importance: Patent Department	-,034	,055	,067
	A&C - Importance: Team	,060	-,020	-,023
	A&C - Importance: Department	,110	,031	-,035
	A&C - Importance: Other Departments	,303	,033	-,023
	A&C - Importance: Other Division	,033	,517	-,047
	A&C - Importance: Other Sites	-,023	-,047	,373
	Korrelation	A&C - Importance: Scientific Database & Information Services	-,020	-,019
A&C - Importance: Patent Department		-,081	,100	,145
A&C - Importance: Team		,270	-,068	-,093
A&C - Importance: Department		,358	,076	-,104
A&C - Importance: Other Departments		1,000	,084	-,068
A&C - Importance: Other Division		,084	1,000	-,107
A&C - Importance: Other Sites		-,068	-,107	1,000

a. Die Kovarianzmatrix hat einen Freiheitsgrad von 64.

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team
1	A&C - Importance: Scientific Database & Information Services	1,000	,357	,000
	A&C - Importance: Patent Department	,357	,552	,000
	A&C - Importance: Team	,000	,000	,000
	A&C - Importance: Department	,071	,067	,000
	A&C - Importance: Other Departments	-,071	-,024	,000
	A&C - Importance: Other Division	-,286	-,048	,000
	A&C - Importance: Other Sites	,286	,152	,000
	2	A&C - Importance: Scientific Database & Information Services	,312	,093
A&C - Importance: Patent Department		,093	,194	,009
A&C - Importance: Team		-,003	,009	,321
A&C - Importance: Department		,069	-,019	,198
A&C - Importance: Other Departments		-,061	-,046	,060
A&C - Importance: Other Division		,106	-,019	-,061
A&C - Importance: Other Sites		,079	,019	,024
3		A&C - Importance: Scientific Database & Information Services	,667	,067
	A&C - Importance: Patent Department	,067	,167	,000
	A&C - Importance: Team	,000	,000	,000
	A&C - Importance: Department	-,133	,067	,000
	A&C - Importance: Other Departments	-,067	-,067	,000
	A&C - Importance: Other Division	,000	-,100	,000
	A&C - Importance: Other Sites	-,067	,133	,000

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Scientific Database & Information Services	A&C - Importance: Patent Department	A&C - Importance: Team
4	A&C - Importance: Scientific Database & Information Services	,125	,071	,054
	A&C - Importance: Patent Department	,071	,286	-,214
	A&C - Importance: Team	,054	-,214	,268
	A&C - Importance: Department	,036	-,286	,321
	A&C - Importance: Other Departments	,179	-,143	,321
	A&C - Importance: Other Division	,125	,071	,054
	A&C - Importance: Other Sites	-,089	,214	-,304
	5	A&C - Importance: Scientific Database & Information Services	,265	,038
A&C - Importance: Patent Department		,038	1,902	,000
A&C - Importance: Team		,000	,000	,000
A&C - Importance: Department		,152	-,121	,000
A&C - Importance: Other Departments		,114	,068	,000
A&C - Importance: Other Division		-,030	,424	,000
A&C - Importance: Other Sites		-,045	-,045	,000
Gesamt		A&C - Importance: Scientific Database & Information Services	,880	,376
	A&C - Importance: Patent Department	,376	1,116	-,062
	A&C - Importance: Team	-,075	-,062	,210
	A&C - Importance: Department	-,069	-,099	,171
	A&C - Importance: Other Departments	-,042	-,052	,148
	A&C - Importance: Other Division	,120	,247	,111
	A&C - Importance: Other Sites	-,013	,077	,108

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Department	A&C - Importance: Other Departments
1	A&C - Importance: Scientific Database & Information Services	,071	-,071
	A&C - Importance: Patent Department	,067	-,024
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,124	,048
	A&C - Importance: Other Departments	,048	,238
	A&C - Importance: Other Division	,024	,048
	A&C - Importance: Other Sites	,038	,048
	2	A&C - Importance: Scientific Database & Information Services	,069
A&C - Importance: Patent Department		-,019	-,046
A&C - Importance: Team		,198	,060
A&C - Importance: Department		,323	,119
A&C - Importance: Other Departments		,119	,258
A&C - Importance: Other Division		,063	-,029
A&C - Importance: Other Sites		,048	-,008
3		A&C - Importance: Scientific Database & Information Services	-,133
	A&C - Importance: Patent Department	,067	-,067
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,267	,133
	A&C - Importance: Other Departments	,133	,267
	A&C - Importance: Other Division	,200	,000
	A&C - Importance: Other Sites	,133	,067

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Department	A&C - Importance: Other Departments
4	A&C - Importance: Scientific Database & Information Services	,036	,179
	A&C - Importance: Patent Department	-,286	-,143
	A&C - Importance: Team	,321	,321
	A&C - Importance: Department	,500	,357
	A&C - Importance: Other Departments	,357	,786
	A&C - Importance: Other Division	,036	,179
	A&C - Importance: Other Sites	-,393	-,393
	5	A&C - Importance: Scientific Database & Information Services	,152
A&C - Importance: Patent Department		-,121	,068
A&C - Importance: Team		,000	,000
A&C - Importance: Department		,424	,000
A&C - Importance: Other Departments		,000	,205
A&C - Importance: Other Division		-,121	,091
A&C - Importance: Other Sites		-,182	,045
Gesamt		A&C - Importance: Scientific Database & Information Services	-,069
	A&C - Importance: Patent Department	-,099	-,052
	A&C - Importance: Team	,171	,148
	A&C - Importance: Department	,371	,187
	A&C - Importance: Other Departments	,187	,468
	A&C - Importance: Other Division	,140	,336
	A&C - Importance: Other Sites	,079	,234

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Other Division	A&C - Importance: Other Sites
1	A&C - Importance: Scientific Database & Information Services	-,286	,286
	A&C - Importance: Patent Department	-,048	,152
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,024	,038
	A&C - Importance: Other Departments	,048	,048
	A&C - Importance: Other Division	,381	-,190
	A&C - Importance: Other Sites	-,190	,352
	2	A&C - Importance: Scientific Database & Information Services	,106
A&C - Importance: Patent Department		-,019	,019
A&C - Importance: Team		-,061	,024
A&C - Importance: Department		,063	,048
A&C - Importance: Other Departments		-,029	-,008
A&C - Importance: Other Division		,545	,011
A&C - Importance: Other Sites		,011	,323
3		A&C - Importance: Scientific Database & Information Services	,000
	A&C - Importance: Patent Department	-,100	,133
	A&C - Importance: Team	,000	,000
	A&C - Importance: Department	,200	,133
	A&C - Importance: Other Departments	,000	,067
	A&C - Importance: Other Division	1,500	-,400
	A&C - Importance: Other Sites	-,400	,267

Kovarianz-Matrizen^a

Cluster-Nr. des Falls		A&C - Importance: Other Division	A&C - Importance: Other Sites
4	A&C - Importance: Scientific Database & Information Services	,125	-,089
	A&C - Importance: Patent Department	,071	,214
	A&C - Importance: Team	,054	-,304
	A&C - Importance: Department	,036	-,393
	A&C - Importance: Other Departments	,179	-,393
	A&C - Importance: Other Division	,411	,054
	A&C - Importance: Other Sites	,054	,554
	5	A&C - Importance: Scientific Database & Information Services	-,030
A&C - Importance: Patent Department		,424	-,045
A&C - Importance: Team		,000	,000
A&C - Importance: Department		-,121	-,182
A&C - Importance: Other Departments		,091	,045
A&C - Importance: Other Division		,242	,091
A&C - Importance: Other Sites		,091	,455
Gesamt		A&C - Importance: Scientific Database & Information Services	,120
	A&C - Importance: Patent Department	,247	,077
	A&C - Importance: Team	,111	,108
	A&C - Importance: Department	,140	,079
	A&C - Importance: Other Departments	,336	,234
	A&C - Importance: Other Division	1,142	,359
	A&C - Importance: Other Sites	,359	,740

a. Die Kovarianzmatrix für alle Fälle hat einen Freiheitsgrad von 68.

Analyse 1

Box-Test auf Gleichheit der Kovarianz-Matrizen

Log-Determinanten

Cluster-Nr. des Falls	Rang	Log-Determinante
1	6	. ^a
2	7	-9,541
3	. ^b	. ^c
4	6	. ^a
5	6	. ^a
Gemeinsam innerhalb der Gruppen	7	-7,863

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

- a. Singulär
- b. Rang < 6
- c. Zu wenig Fälle für Nicht-Singularität

Textergebnisse^a

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	3,416 ^a	56,3	56,3	,880
2	1,667 ^a	27,5	83,8	,791
3	,847 ^a	14,0	97,7	,677
4	,138 ^a	2,3	100,0	,348

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

Wilks' Lambda

Test der Funktion(en)	Wilks-Lambda	Chi-Quadrat	df	Signifikanz
1 bis 4	,040	198,950	28	,000
2 bis 4	,178	106,861	18	,000
3 bis 4	,476	46,051	10	,000
4	,879	7,995	4	,092

Standardisierte kanonische Diskriminanzfunktionskoeffizienten

	Funktion			
	1	2	3	4
A&C - Importance: Scientific Database & Information Services	-,177	,791	-,592	-,061
A&C - Importance: Patent Department	-,062	,309	,993	-,121
A&C - Importance: Team	,340	,033	-,100	-,091
A&C - Importance: Department	-,050	-,448	,385	,571
A&C - Importance: Other Departments	,343	,154	-,148	-,255
A&C - Importance: Other Division	,634	,358	-,092	,555
A&C - Importance: Other Sites	,712	-,214	,001	-,525

Struktur-Matrix

	Funktion			
	1	2	3	4
A&C - Importance: Other Departments	,430*	,006	-,114	,019
A&C - Importance: Team	,297*	-,171	-,005	,158
A&C - Importance: Scientific Database & Information Services	-,089	,750*	-,260	-,097
A&C - Importance: Patent Department	,014	,552	,808*	-,185
A&C - Importance: Other Sites	,554	-,035	,030	-,646*
A&C - Importance: Other Division	,557	,373	,042	,628*
A&C - Importance: Department	,201	-,221	,078	,530*

Gemeinsame Korrelationen innerhalb der Gruppen zwischen Diskriminanzvariablen und standardisierten kanonischen Diskriminanzfunktionen

Variablen sind nach ihrer absoluten Korrelationsgröße innerhalb der Funktion geordnet.

*. Größte absolute Korrelation zwischen jeder Variablen und einer Diskriminanzfunktion

Kanonische Diskriminanzfunktionskoeffizienten

	Funktion			
	1	2	3	4
A&C - Importance: Scientific Database & Information Services	-,260	1,165	-,871	-,090
A&C - Importance: Patent Department	-,081	,408	1,310	-,160
A&C - Importance: Team	,836	,081	-,246	-,225
A&C - Importance: Department	-,090	-,802	,690	1,024
A&C - Importance: Other Departments	,623	,280	-,269	-,464
A&C - Importance: Other Division	,881	,498	-,128	,771
A&C - Importance: Other Sites	1,166	-,351	,002	-,860
(Konstant)	-9,233	-3,178	-1,993	,187

Nicht-standardisierte Koeffizienten

Funktionen bei den Gruppen-Zentroiden

Cluster-Nr. des Falls	Funktion			
	1	2	3	4
1	1,198	-1,100	1,257	,212
2	-,637	,928	,249	-,299
3	,539	-2,870	-1,455	-,552
4	-3,877	-,562	-,526	,545
5	2,305	1,019	-1,075	,345

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

Klassifizierungsstatistiken

Zusammenfassung der Verarbeitung von Klassifizierungen

Verarbeitet		69
Ausgeschlossen	Fehlende oder außerhalb des Bereichs liegende Gruppencodes	0
	Wenigstens eine Diskriminanzvariable fehlt	0
In der Ausgabe verwendet		69

A-priori-Wahrscheinlichkeiten der Gruppen

Cluster-Nr. des Falls	A-priori	In der Analyse verwendete Fälle	
		Ungewichtet	Gewichtet
1	,200	15	15,000
2	,200	28	28,000
3	,200	6	6,000
4	,200	8	8,000
5	,200	12	12,000
Gesamt	1,000	69	69,000

Klassifizierungsfunktionskoeffizienten

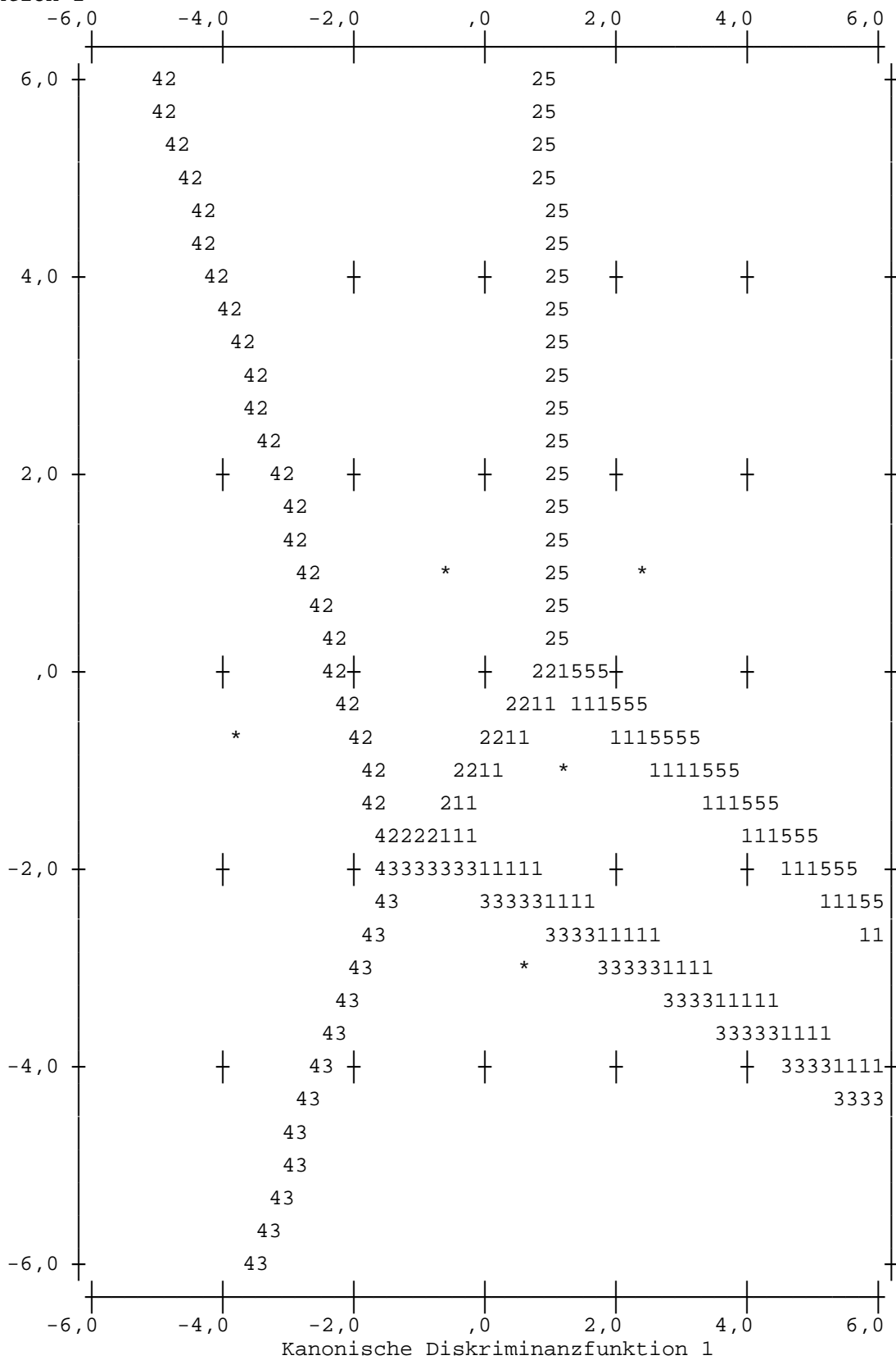
	Cluster-Nr. des Falls				
	1	2	3	4	5
A&C - Importance: Scientific Database & Information Services	,687	4,451	1,229	4,157	4,887
A&C - Importance: Patent Department	5,427	5,164	1,327	3,670	3,123
A&C - Importance: Team	22,858	21,849	23,004	19,020	24,499
A&C - Importance: Department	2,640	-,042	1,466	1,773	-,633
A&C - Importance: Other Departments	6,267	6,201	6,445	3,583	8,117
A&C - Importance: Other Division	5,861	4,987	4,157	2,141	8,292
A&C - Importance: Other Sites	10,444	8,031	10,950	4,051	10,872
(Konstant)	-97,841	-84,001	-84,213	-54,903	-111,797

Lineare Diskriminanzfunktionen nach Fisher

Territorien

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

Kanonische Diskriminanz-
funktion 2



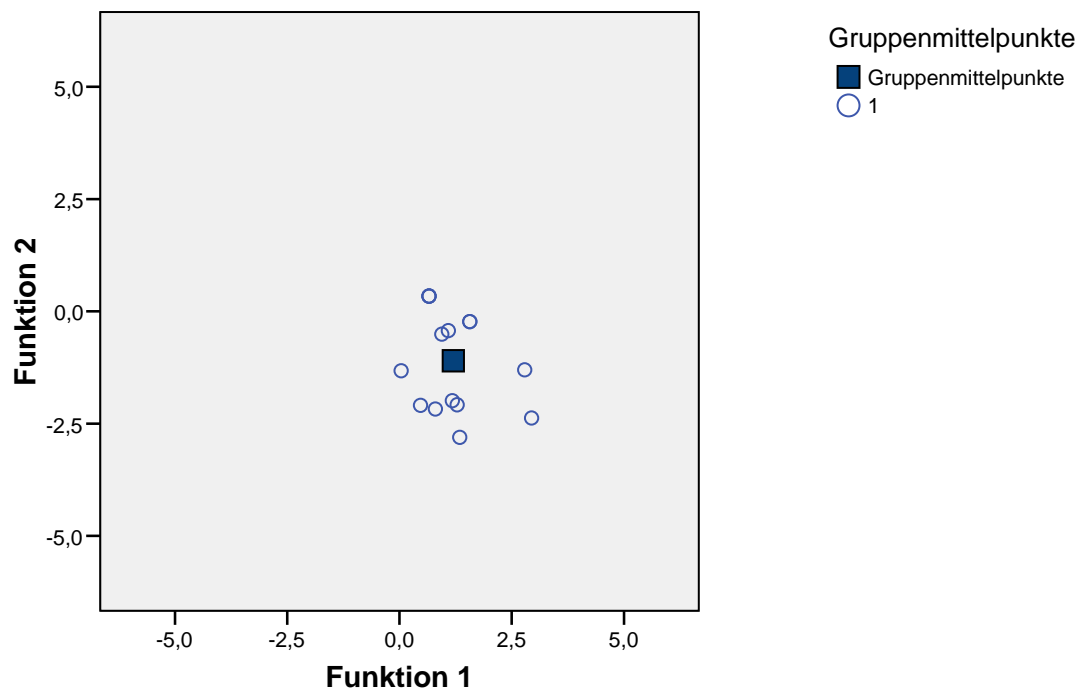
Symbole für Territorien

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

Graphische Darstellung getrennter Gruppen

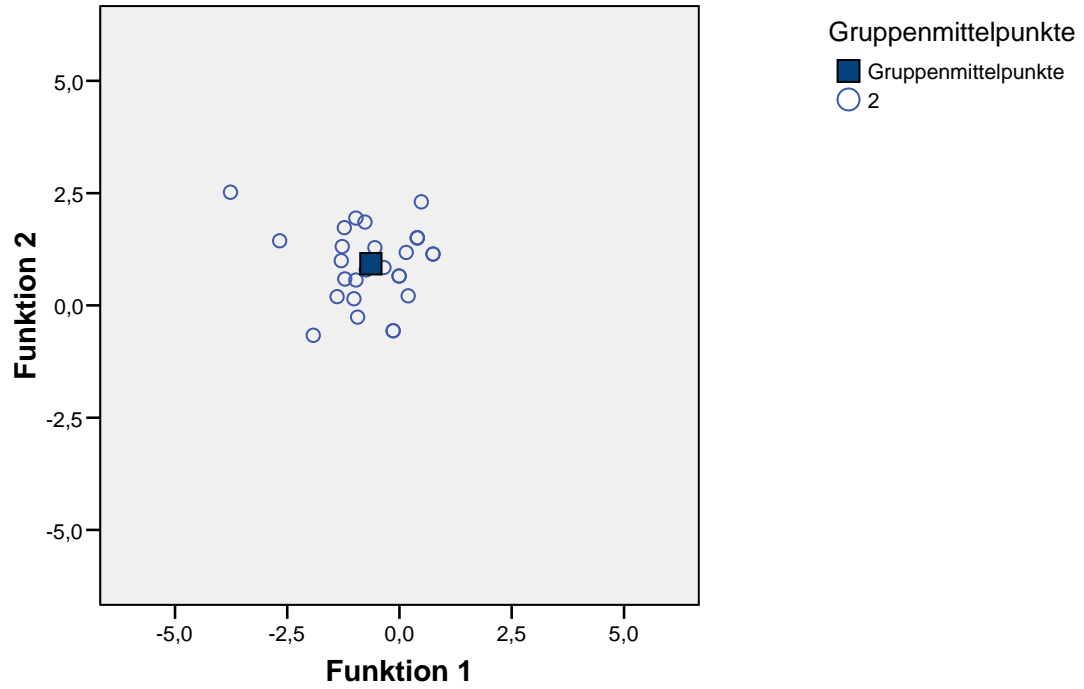
Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 1



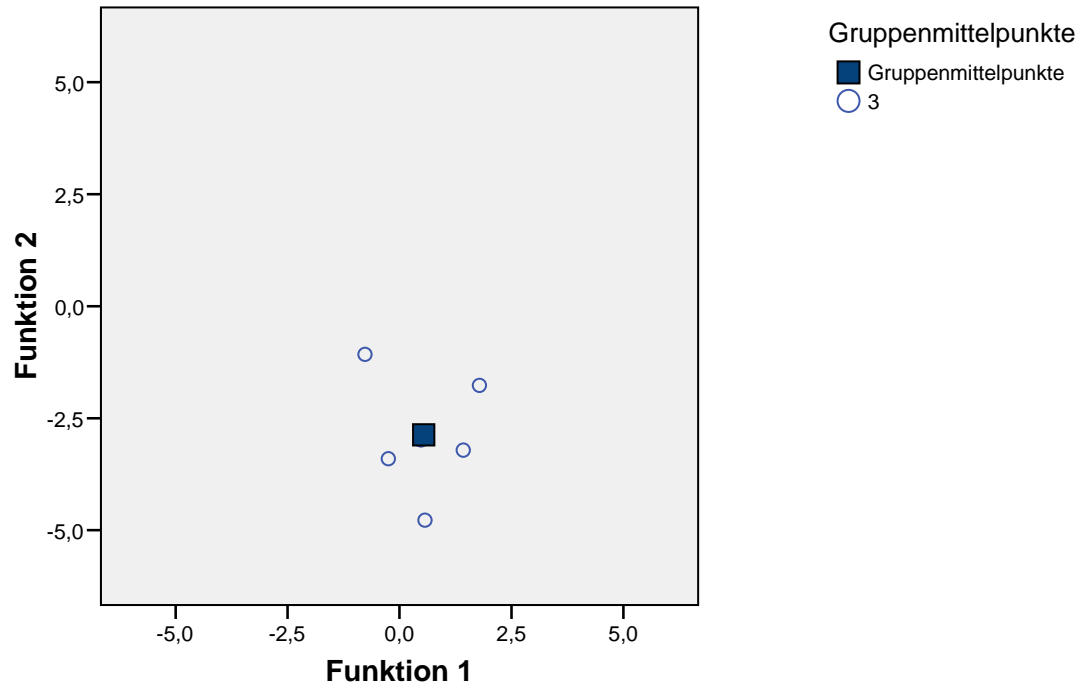
Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 2



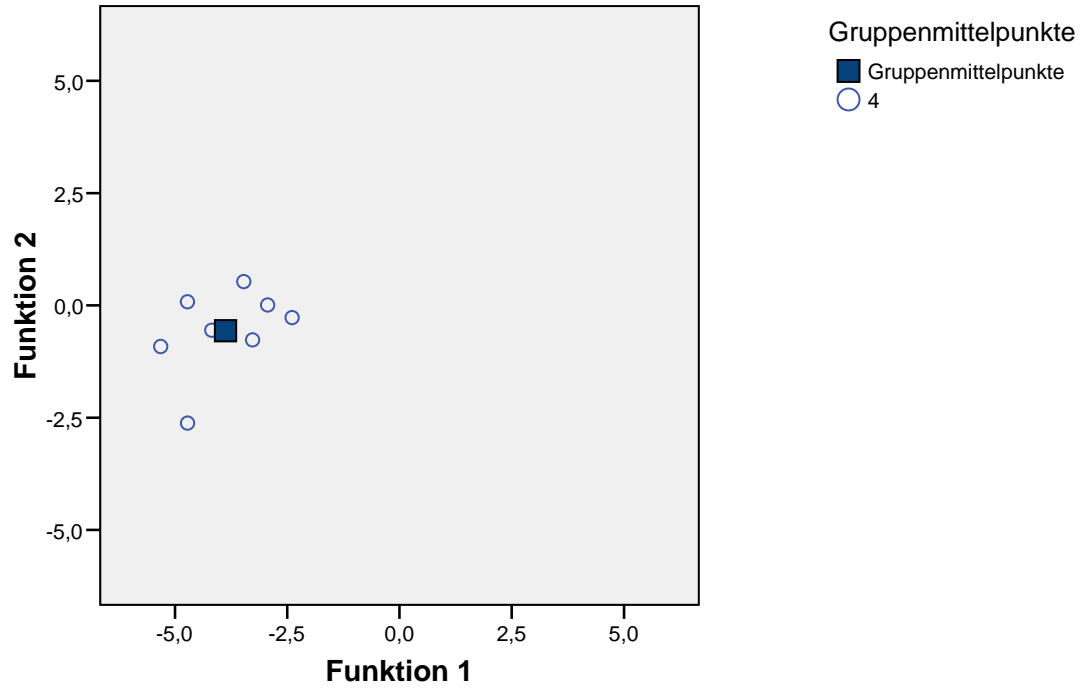
Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 3



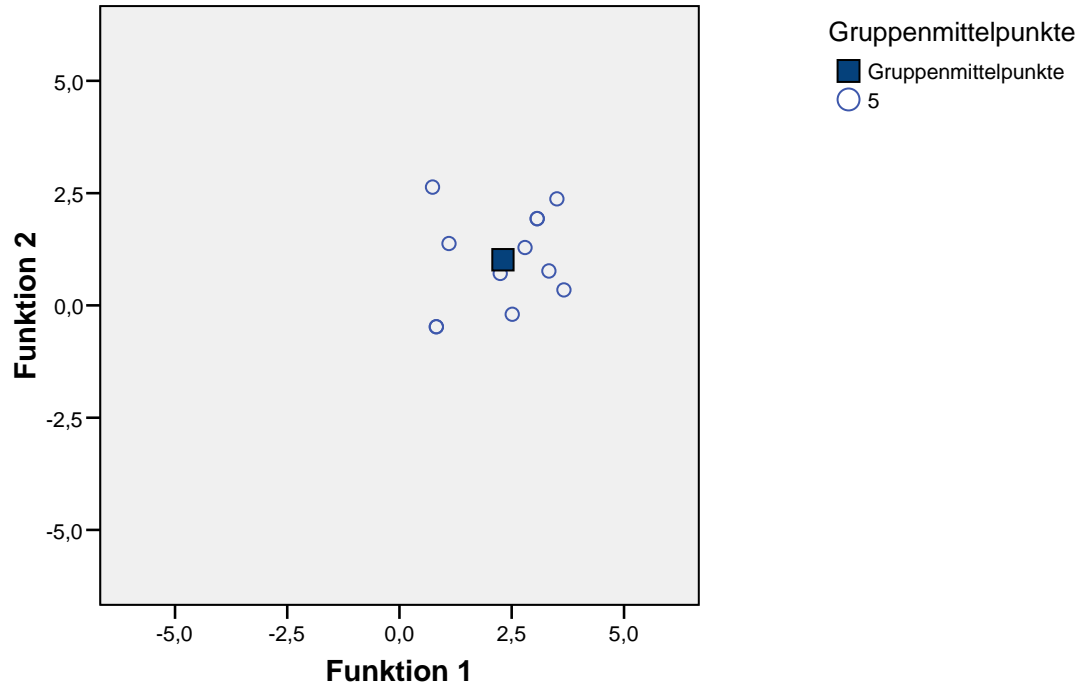
Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 4

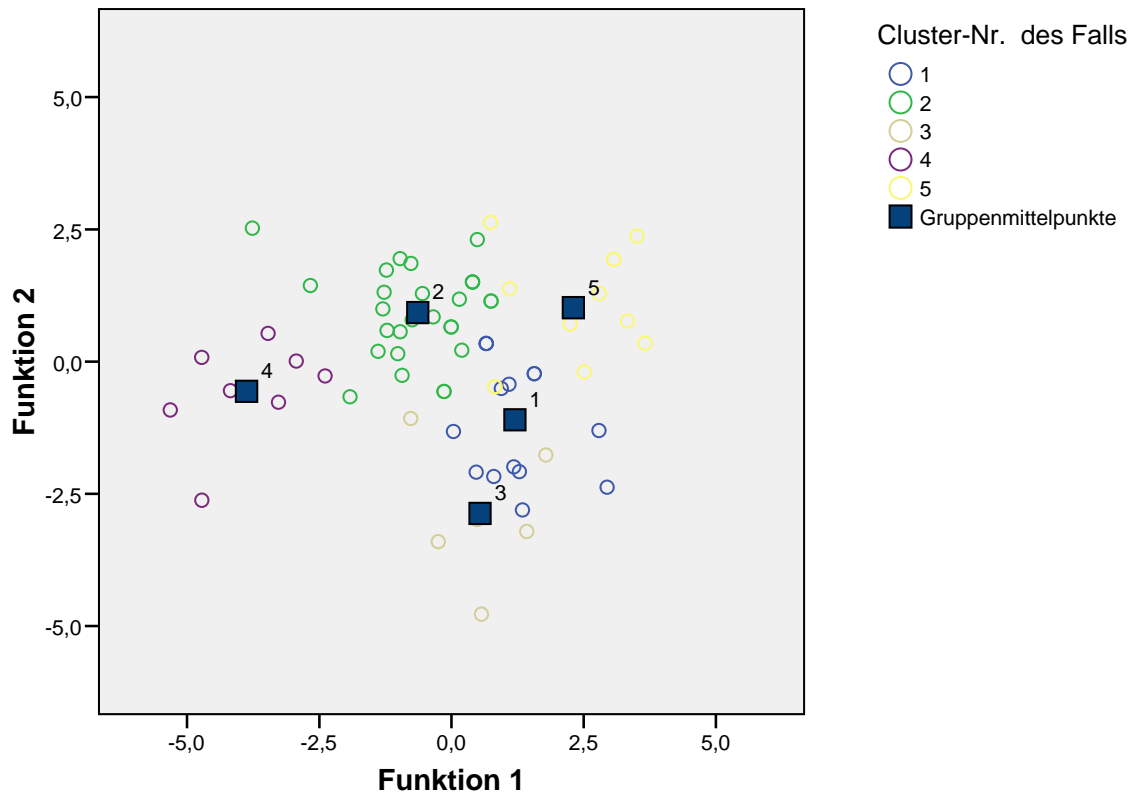


Kanonische Diskriminanzfunktion

Cluster-Nr. des Falls = 5



Kanonische Diskriminanzfunktion



Klassifizierungsergebnisse^{b,c}

			Vorhergesagte Gruppenzugehörigkeit			
			1	2	3	4
Original	Anzahl	Cluster-Nr. des Falls 1	15	0	0	0
		2	0	27	0	1
		3	0	0	6	0
		4	0	0	0	8
		5	0	0	0	0
	%	1	100,0	,0	,0	,0
		2	,0	96,4	,0	3,6
		3	,0	,0	100,0	,0
		4	,0	,0	,0	100,0
		5	,0	,0	,0	,0
Kreuzvalidiert ^a	Anzahl	Cluster-Nr. des Falls 1	15	0	0	0
		2	0	27	0	1
		3	0	0	6	0
		4	0	0	0	8
		5	0	1	1	0
	%	1	100,0	,0	,0	,0
		2	,0	96,4	,0	3,6
		3	,0	,0	100,0	,0
		4	,0	,0	,0	100,0
		5	,0	8,3	8,3	,0

Klassifizierungsergebnisse^{b,c}

			Vorherges	
			5	Gesamt
Original	Anzahl	1	0	15
		2	0	28
		3	0	6
		4	0	8
		5	12	12
	%	1	,0	100,0
		2	,0	100,0
		3	,0	100,0
		4	,0	100,0
		5	100,0	100,0
Kreuzvalidiert ^a	Anzahl	1	0	15
		2	0	28
		3	0	6
		4	0	8
		5	10	12
	%	1	,0	100,0
		2	,0	100,0
		3	,0	100,0
		4	,0	100,0
		5	83,3	100,0

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

b. 98,6% der ursprünglich gruppierten Fälle wurden korrekt klassifiziert.

c. 95,7% der kreuzvalidierten gruppierten Fälle wurden korrekt klassifiziert.