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Prefscal

Credit

Prefscal

Version 1.0

by

Data Theory Scaling System Group (DTSS)

Faculty of Social and Behavioral Sciences

Leiden University, The Netherlands

Case Processing Summary

Cases	42
Sources	1
Row Objects	42
Column Objects	15

Analysis Diagnostics

	Penalized			
Iteration	Stress	Difference	Stress	Penalty
0	.8688047		.3643967	2.0714286
1	.8272493	.0415554	.3303717	2.0714286
2	.8177291	.0095202	.3228115	2.0714286
3	.8119505	.0057786	.3182652	2.0714286
4	.8076770	.0042735	.3149238	2.0714286
5	.8048759	.0028011	.3127432	2.0714286
6	.8031062	.0017697	.3113694	2.0714286
7	.8018914	.0012148	.3104282	2.0714286
8	.8009755	.0009159	.3097195	2.0714286
9	.8002258	.0007498	.3091399	2.0714286
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12	.7984582	.0005329	.3077757	2.0714286
13	.7979700	.0004882	.3073995	2.0714286
14	.7975245	.0004455	.3070564	2.0714286
15	.7971214	.0004031	.3067460	2.0714286
16	.7967597	.0003617	.3064677	2.0714286
17	.7964369	.0003228	.3062195	2.0714286
18	.7961491	.0002878	.3059982	2.0714286
19	.7958915	.0002576	.3058002	2.0714286
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21	.7954484	.0002110	.3054598	2.0714286
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25	.7947531	.0001563	.3049261	2.0714286
26	.7946057	.0001475	.3048129	2.0714286
27	.7944659	.0001398	.3047056	2.0714286
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30	.7940834	.0001220	.3044124	2.0714286
31	.7939661	.0001173	.3043224	2.0714286
32	.7938530	.0001131	.3042358	2.0714286
33	.7937438	.0001093	.3041520	2.0714286
34	.7936380	.0001058	.3040710	2.0714286
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36	.7934359	.0000996	.3039161	2.0714286

	Penalized	-		
Iteration	Stress	Difference	Stress	Penalty
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41	.7929973	.0000657	.3035802	2.0714286
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44	.7928433	.0000456	.3034623	2.0714286
45	.7928024	.0000409	.3034310	2.0714286
46	.7927644	.0000380	.3034019	2.0714286
47	.7927309	.0000335	.3033763	2.0714286
48	.7926994	.0000315	.3033522	2.0714286
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56	.7925270	.0000165	.3032202	2.0714286
57	.7925122	.0000148	.3032089	2.0714286
58	.7924982	.0000139	.3031982	2.0714286
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61	.7924623	.0000114	.3031707	2.0714286
62	.7924517	.0000106	.3031626	2.0714286
63	.7924419	.0000098	.3031551	2.0714286
64	.7924330	.0000089	.3031483	2.0714286
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70	.7923894	.0000064	.3031149	2.0714286
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72	.7923781	.0000056	.3031063	2.0714286
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76	.7923596	.0000040	.3030922	2.0714286
77	.7923556	.0000040	.3030891	2.0714286
78	.7923516	.0000040	.3030861	2.0714286
79	.7923484	.0000032	.3030836	2.0714286
80	.7923452	.0000032	.3030812	2.0714286
81	.7923420	.0000032	.3030787	2.0714286
82	.7923388	.0000032	.3030763	2.0714286
83	.7923356	.0000032	.3030738	2.0714286
84	.7923332	.0000024	.3030720	2.0714286
85	.7923309	.0000024	.3030702	2.0714286
86	.7923285	.0000024	.3030683	2.0714286
87	.7923261	.0000024	.3030665	2.0714286
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91	.7923181	.0000016	.3030604	2.0714286
92	.7923165	.0000016	.3030592	2.0714286
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97	.7923093	.0000008	.3030537	2.0714286
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99	.7923070	.0000008	.3030519	2.0714286
100	.7923054	.0000016	.3030507	2.0714286
101	.7923046	.0000008	.3030501	2.0714286
102	.7923038	.0000008	.3030494	2.0714286
103	.7923030	.0000008	.3030488	2.0714286
104	.7923022	.0000008	.3030482	2.0714286
105	.7923014	.0000008	.3030476	2.0714286
106	.7923006	.0000008	.3030470	2.0714286
107	.7922998	.0000008	.3030464	2.0714286
108	.7922990	.0000008	.3030458	2.0714286
109	.7922982	.0000008	.3030452	2.0714286
110	.7922974	.0000008	.3030446	2.0714286

Iteration	Penalized Stress	Difference	Stress	Penalty
111	.7922966	.0000008	.3030440	2.0714286
112	.7922958	.0000008	.3030434	2.0714286
113	.7922951	.0000008	.3030428	2.0714286
114	.7922943	.0000008	.3030422	2.0714286
115	.7922935	.0000008	.3030416	2.0714286
116	.7922927	.0000008	.3030410	2.0714286
117	.7922919	.0000008 ^a	.3030403	2.0714286

a. Difference in consecutive penalized Stress values less than the DIFFSTRESS criterion.

Measures

Iterations		117
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Function Value Parts	Stress Part	.3030403
	Penalty Part	2.0714286
Badness of Fit	Normalized Stress	.0913187
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	Kruskal's Stress-II	.8766133
	Young's S-Stress-I	.4377702
	Young's S-Stress-II	.6493939
Goodness of Fit	Dispersion Accounted For	.9086813
	Variance Accounted For	.5931923
	Recovered Preference Orders	.8004535
	Spearman's Rho	.7601190
	Kendall's Tau-b	.6009070
Variation Coefficients	Variation Proximities	.5590170
	Variation Transformed Proximities	.5590170
	Variation Distances	.4175226
Degeneracy Indices	Sum-of-Squares of DeSarbo's Intermixedness Indices	.4647139
	Shepard's Rough Nondegeneracy Index	.7544218

Common Space

Final Row Coordinates

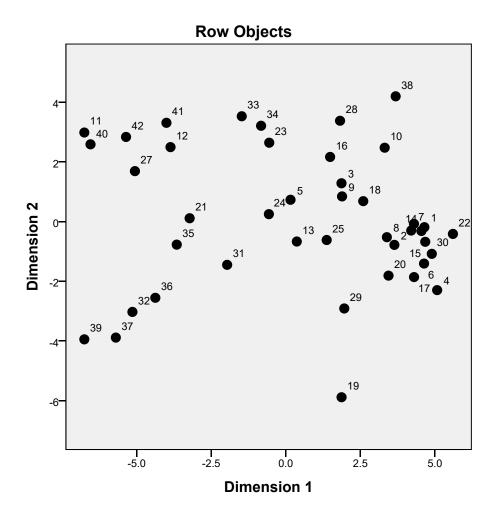
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11	-6.755	2.989	
12	-3.866	2.500	
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20	3.443	-1.810	
21	-3.223	.115	
22	5.604	411	
23	556	2.648	
24	568	.252	
25	1.370	615	
26	4.296	072	
27	-5.058	1.695	
28	1.818	3.384	
29	1.959	-2.910	
30	4.895	-1.078	
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32	-5.143	-3.027	
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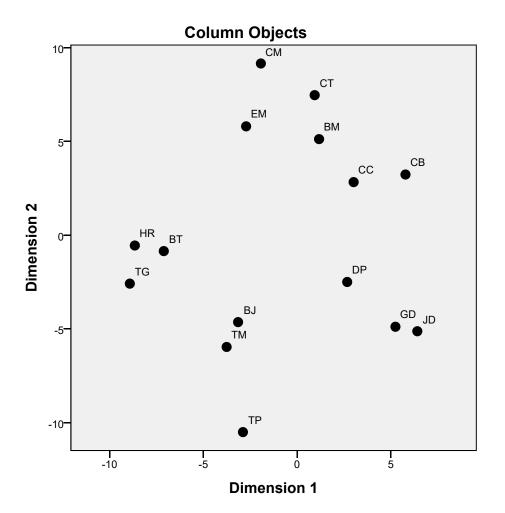
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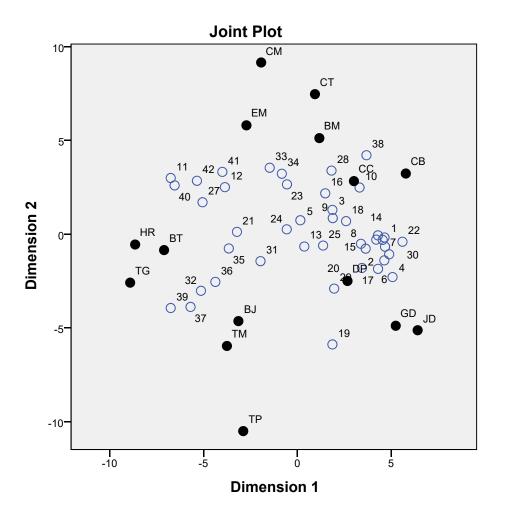
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Final Column Coordinates

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JD	6.413	-5.130	
СТ	.937	7.461	
ВМ	1.171	5.116	
HR	-8.653	559	
TM	-3.758	-5.969	
BJ	-3.147	-4.643	
TG	-8.919	-2.592	
СВ	5.782	3.226	
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* Encoding: UTF-8.

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41 10 3 2 14 9 1 8 12 13 4 11 5 15 6 7
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/PENALTY=LAMBDA(0.5) OMEGA(1.0)

/PRINT=HISTORY MEASURES COMMON

/PLOT=COMMON.

Prefscal

Credit

Prefscal
Version 1.0
by
Data Theory Scaling System Group (DTSS)
Faculty of Social and Behavioral Sciences
Leiden University, The Netherlands

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3	.8119505	.0057786	.3182652	2.0714286
4	.8076770	.0042735	.3149238	2.0714286
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6	.8031062	.0017697	.3113694	2.0714286
7	.8018914	.0012148	.3104282	2.0714286
8	.8009755	.0009159	.3097195	2.0714286
9	.8002258	.0007498	.3091399	2.0714286
10	.7995752	.0006506	.3086375	2.0714286
11	.7989911	.0005841	.3081867	2.0714286
12	.7984582	.0005329	.3077757	2.0714286
13	.7979700	.0004882	.3073995	2.0714286
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	Penalized			
Iteration	Stress	Difference	Stress	Penalty
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33	.7937438	.0001093	.3041520	2.0714286
34	.7936380	.0001058	.3040710	2.0714286
35	.7935355	.0001025	.3039924	2.0714286
36	.7934359	.0000996	.3039161	2.0714286
37	.7933390	.0000969	.3038419	2.0714286
38	.7932447	.0000943	.3037697	2.0714286
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	Penalized			
Iteration	Stress	Difference	Stress	Penalty
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99	.7923070	.0000008	.3030519	2.0714286
100	.7923054	.0000016	.3030507	2.0714286
101	.7923046	.0000008	.3030501	2.0714286
102	.7923038	.0000008	.3030494	2.0714286
103	.7923030	.0000008	.3030488	2.0714286
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108	.7922990	.0000008	.3030458	2.0714286
109	.7922982	.0000008	.3030452	2.0714286
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116	.7922927	.0000008	.3030410	2.0714286
117	.7922919	.0000008 ^a	.3030403	2.0714286

a. Difference in consecutive penalized Stress values less than the DIFFSTRESS criterion.

Measures

Iterations		117
Final Function Value	.7922919	
Function Value Parts	Stress Part	.3030403
	Penalty Part	2.0714286
Badness of Fit	Normalized Stress	.0913187
	Kruskal's Stress-I	.3021899
	Kruskal's Stress-II	.8766133
	Young's S-Stress-I	.4377702
	Young's S-Stress-II	.6493939
Goodness of Fit	Dispersion Accounted For	.9086813
	Variance Accounted For	.5931923
	Recovered Preference Orders	.8004535
	Spearman's Rho	.7601190
	Kendall's Tau-b	.6009070
Variation Coefficients	Variation Proximities	.5590170
	Variation Transformed Proximities	.5590170
	Variation Distances	.4175226
Degeneracy Indices	Sum-of-Squares of DeSarbo's Intermixedness Indices	.4647139
	Shepard's Rough Nondegeneracy Index	.7544218

Common Space

Final Row Coordinates

	Dimension		
	1	2	
1	4.646	185	
2	3.641	779	
3	1.867	1.288	
4	5.074	-2.295	
5	.158	.734	
6	4.635	-1.405	
7	4.547	311	
8	3.388	521	
9	1.886	.847	
10	3.315	2.479	
11	-6.755	2.989	
12	-3.866	2.500	
13	.368	666	
14	4.204	298	
15	4.676	675	
16	1.486	2.170	
17	4.300	-1.857	
18	2.596	.687	
19	1.868	-5.887	
20	3.443	-1.810	
21	-3.223	.115	
22	5.604	411	
23	556	2.648	
24	568	.252	
25	1.370	615	
26	4.296	072	
27	-5.058	1.695	
28	1.818	3.384	
29	1.959	-2.910	
30	4.895	-1.078	
31	-1.967	-1.447	

Final Row Coordinates

	Dimension		
	1	2	
32	-5.143	-3.027	
33	-1.477	3.534	
34	829	3.215	
35	-3.657	770	
36	-4.375	-2.552	
37	-5.699	-3.886	
38	3.684	4.202	
39	-6.756	-3.946	
40	-6.548	2.592	
41	-4.003	3.314	
42	-5.357	2.840	

Final Column Coordinates

	Dimension		
	1	2	
TP	-2.887	-10.510	
ВТ	-7.110	857	
EM	-2.718	5.797	
JD	6.413	-5.130	
CT	.937	7.461	
BM	1.171	5.116	
HR	-8.653	559	
TM	-3.758	-5.969	
BJ	-3.147	-4.643	
TG	-8.919	-2.592	
СВ	5.782	3.226	
DP	2.672	-2.503	
GD	5.245	-4.891	
CC	3.015	2.823	
CM	-1.932	9.149	

