

# INDSCAL model in SPSS Proxscal

\* Encoding: UTF-8.

TITLE SPSS PROXSCAL of Corter & Carroll (1990) statistical techniques similarities.

DATA LIST

/1 MANOVA 1 multRegr 3 PCA 5 factor 7 canCorr 9 discrim 10 cluster 11 MDS 12 ANOVA 13 logLin 14

logRegr 15.

BEGIN DATA

2

22

228

6744

86323

347853

3488538

53112111

681245328

6813581288

7

42

239

8454

86348

125734

1288326

77114321

521142116

4722463168

9

31

118

9311

95119

115511

1157117

99112711

221133112

6611661178

END DATA.

PROXSCAL VARIABLES=MANOVA multRegr PCA factor canCorr discrim cluster MDS ANOVA logLin  
logRegr.

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/CONDITION=MATRIX

/TRANSFORMATION=INTERVAL

/PROXIMITIES=SIMILARITIES

/MODEL=WEIGHTED

/CRITERIA=DIMENSIONS(4,4) MAXITER(100) DIFFSTRESS(.0001) MINSTRESS(.0001)

/PRINT=COMMON WEIGHTS STRESS

/PLOT=COMMON WEIGHTS.

# SPSS PROXSCALOF Corter & Carroll (1990) statistical techniq

## DATA LIST

/1 MANOVA 1 multRegr 3 PCA 5 factor 7 canCorr 9 discrim 10 cluster 11 MDS 12 ANOVA 13 logLin 14 logRegr 15.

Data List will read 1 records from the command file

Variable	Rec	Start	End	Format
MANOVA	1	1	1	F1.0
multRegr	1	3	3	F1.0
PCA	1	5	5	F1.0
factor	1	7	7	F1.0
canCorr	1	9	9	F1.0
discrim	1	10	10	F1.0
cluster	1	11	11	F1.0
MDS	1	12	12	F1.0
ANOVA	1	13	13	F1.0
logLin	1	14	14	F1.0
logRegr	1	15	15	F1.0

BEGIN DATA

2  
2 2  
2 2 8  
6 7 4 4  
8 6 3 2 3  
3 4 7 8 5 3  
3 4 8 8 5 3 8  
5 3 1 1 2 1 1 1  
6 8 1 2 4 5 3 2 8  
6 8 1 3 5 8 1 2 8 8

7  
4 2  
2 3 9  
8 4 5 4  
8 6 3 4 8  
1 2 5 7 3 4  
1 2 8 8 3 2 6  
7 7 1 1 4 3 2 1

## SPSS PROXSCAL OF Corter & Carroll (1990) statistical techniq

5 2 1 1 4 2 1 1 6  
4 7 2 2 4 6 3 1 6 8

9

3 1

1 1 8

9 3 1 1

9 5 1 1 9

1 1 5 5 1 1

1 1 5 7 1 1 7

9 9 1 1 2 7 1 1

2 2 1 1 3 3 1 1 2

6 6 1 1 6 6 1 1 7 8

END DATA.

PROXSCAL VARIABLES=MANOVA multRegr PCA factor canCorr discrim cluster MDS ANO  
VA logLin logRegr

/SHAPE=LOWER

/INITIAL=SIMPLEX

/CONDITION=MATRIX

/TRANSFORMATION=INTERVAL

/PROXIMITIES=SIMILARITIES

/MODEL=WEIGHTED

/CRITERIA=DIMENSIONS(4,4) MAXITER(100) DIFFSTRESS(.0001) MINSTRESS(.0001)

/PRINT=COMMON WEIGHTS STRESS

/PLOT=COMMON WEIGHTS.

### Proxscal

#### Credit

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

## SPSS PROXSCAL OF Corter & Carroll (1990) statistical techniq

### Case Processing Summary

Cases		33
Sources		3
Objects		11
Proximities	Total Proximities	165 <sup>a</sup>
	Missing Proximities	27
	Active Proximities <sup>b</sup>	138

a. Sum over sources of all strictly lower-triangular proximities.

b. Active proximities include all non-missing proximities.

## Goodness of Fit

### Stress and Fit Measures

Normalized Raw Stress	.01283
Stress-I	.11325 <sup>a</sup>
Stress-II	.47661 <sup>a</sup>
S-Stress	.04559 <sup>b</sup>
Dispersion Accounted For (D.A.F.)	.98717
Tucker's Coefficient of Congruence	.99357

PROXSCAL minimizes Normalized  
Raw Stress.

a. Optimal scaling factor = 1.013.

b. Optimal scaling factor = .984.

## Common Space

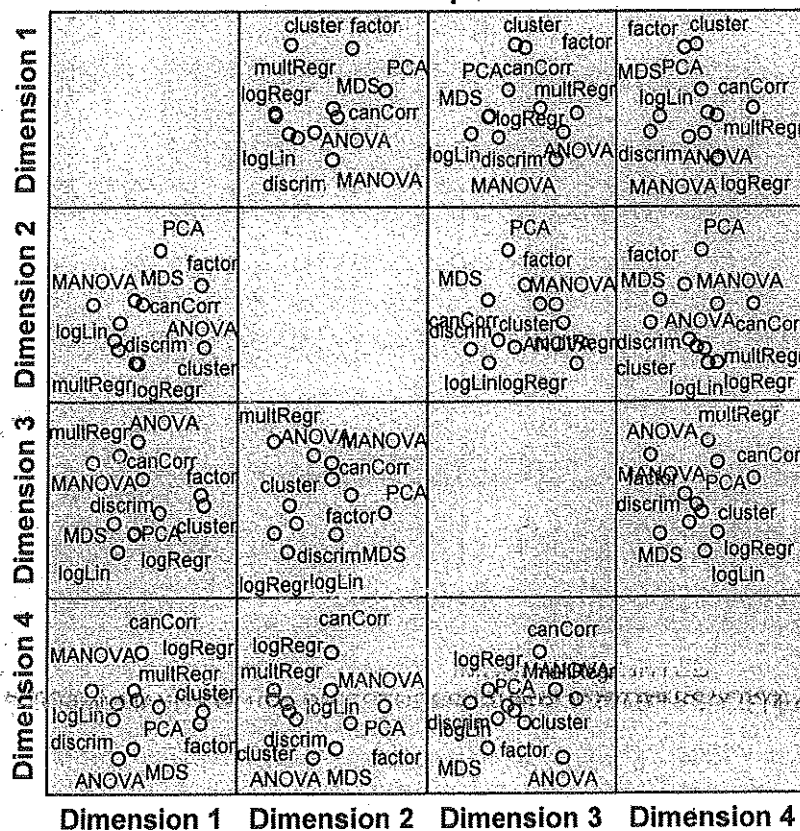
# SPSS PROXSCAL OF Corter & Carroll (1990) statistical techniq

Final Coordinates

	Dimension			
	1	2	3	4
MANOVA	-1.476	.480	1.070	.692
multRegr	-.118	-1.252	1.689	.350
PCA	.555	2.083	-.385	.111
factor	1.790	1.055	.131	-.512
canCorr	.023	.490	.596	2.065
discrim	-.832	-.569	-.694	-.351
cluster	1.880	-.777	-.169	-.076
MDS	-.227	.612	-1.011	-1.428
ANOVA	-.673	-.059	1.284	-1.776
logLin	-.721	-.832	-1.530	.231
logRegr	-.202	-1.230	-.980	.694

Object Points

Common Space



## Individual Spaces

Dimension Weights

Source	Dimension			
	1	2	3	4
SRC_1	.371	.373	.300	.347
SRC_2	.375	.359	.359	.303
SRC_3	.360	.365	.352	.319

Dimension Weights

