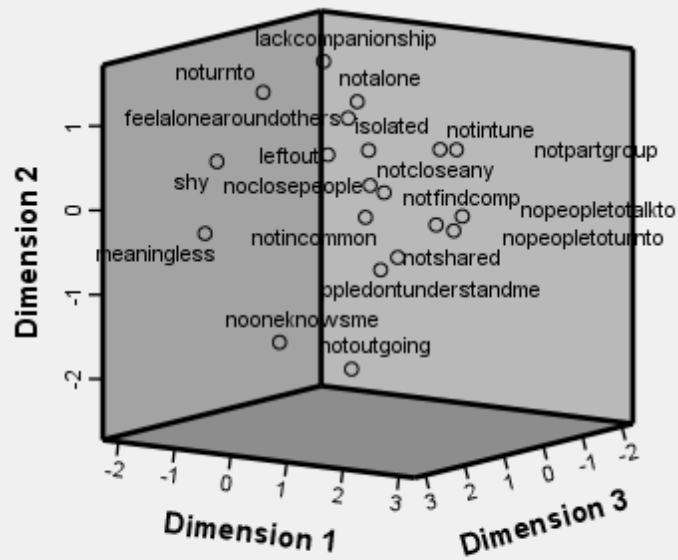


Notes

Output Created	13-Feb-2012 16:17:13	
Comments		
Input	Data	C:\Users\Louise
		Hawkey\Documents\lhawkey\MyPubs\
		Beijing Collaboration_UCLA Factor
		Analyses\UCLA_Beijing Older
		Adults.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	246
	File	
Syntax		ALSCAL
		/MATRIX=IN('C:\Users\LOUISE~1\AppData\Local\Temp\spss376\spssalsc.tmp')
		/LEVEL=ORDINAL
		/CONDITION=MATRIX
		/MODEL=EUCLID
		/CRITERIA=CONVERGE(0.001)
		STRESSMIN(0.005) ITER(30)
		CUTOFF(0) DIMENS(2,3)
		/PLOT=DEFAULT ALL
		/PRINT=HEADER.
Resources	Processor Time	00 00:00:02.090
	Elapsed Time	00 00:00:02.043

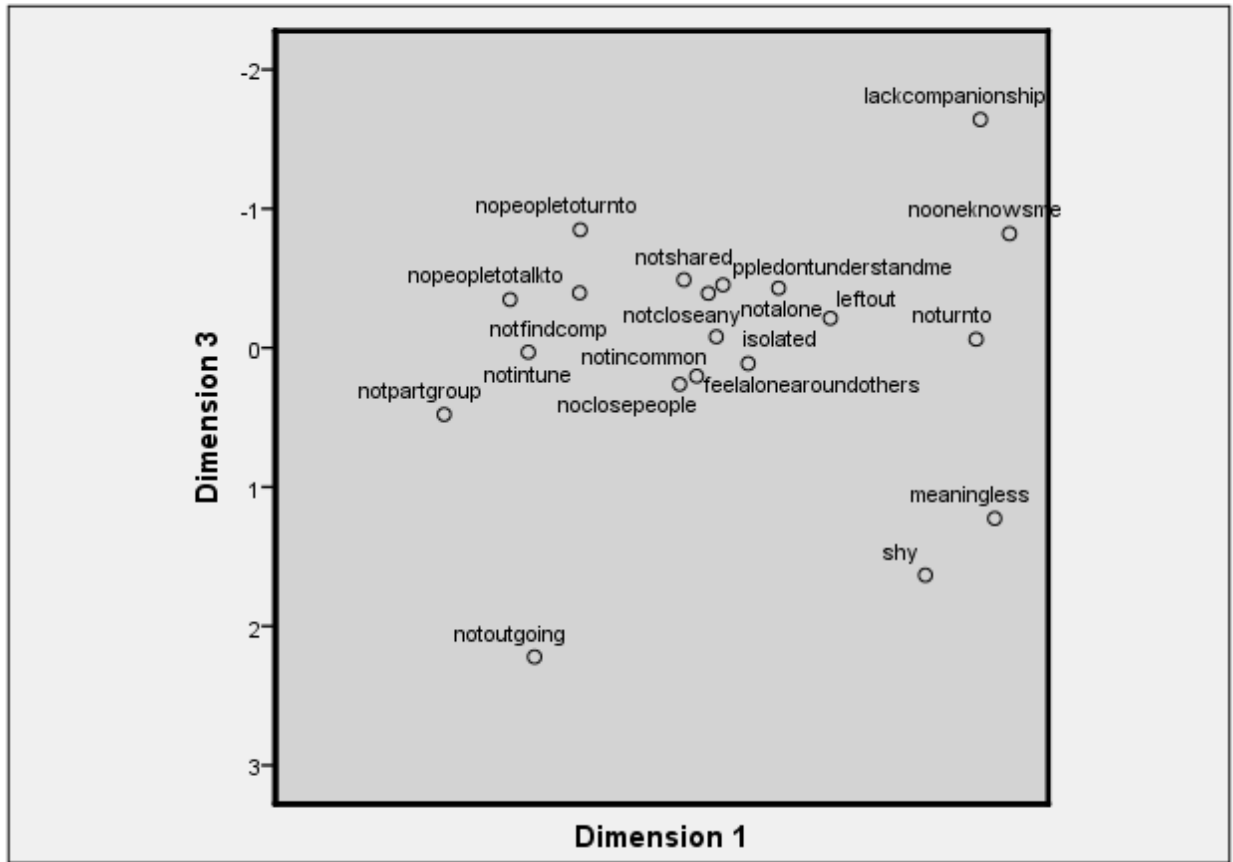
Derived Stimulus Configuration

Euclidean distance model



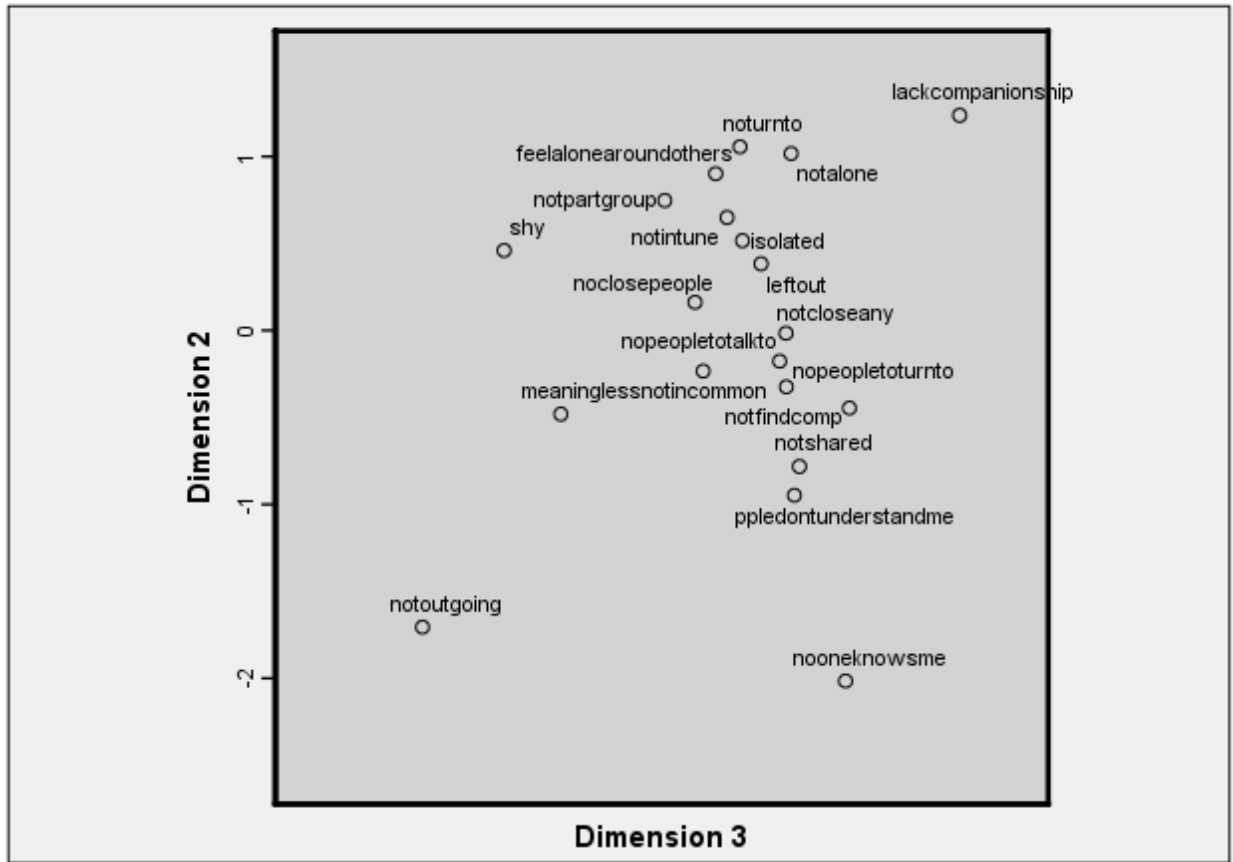
Derived Stimulus Configuration

Euclidean distance model



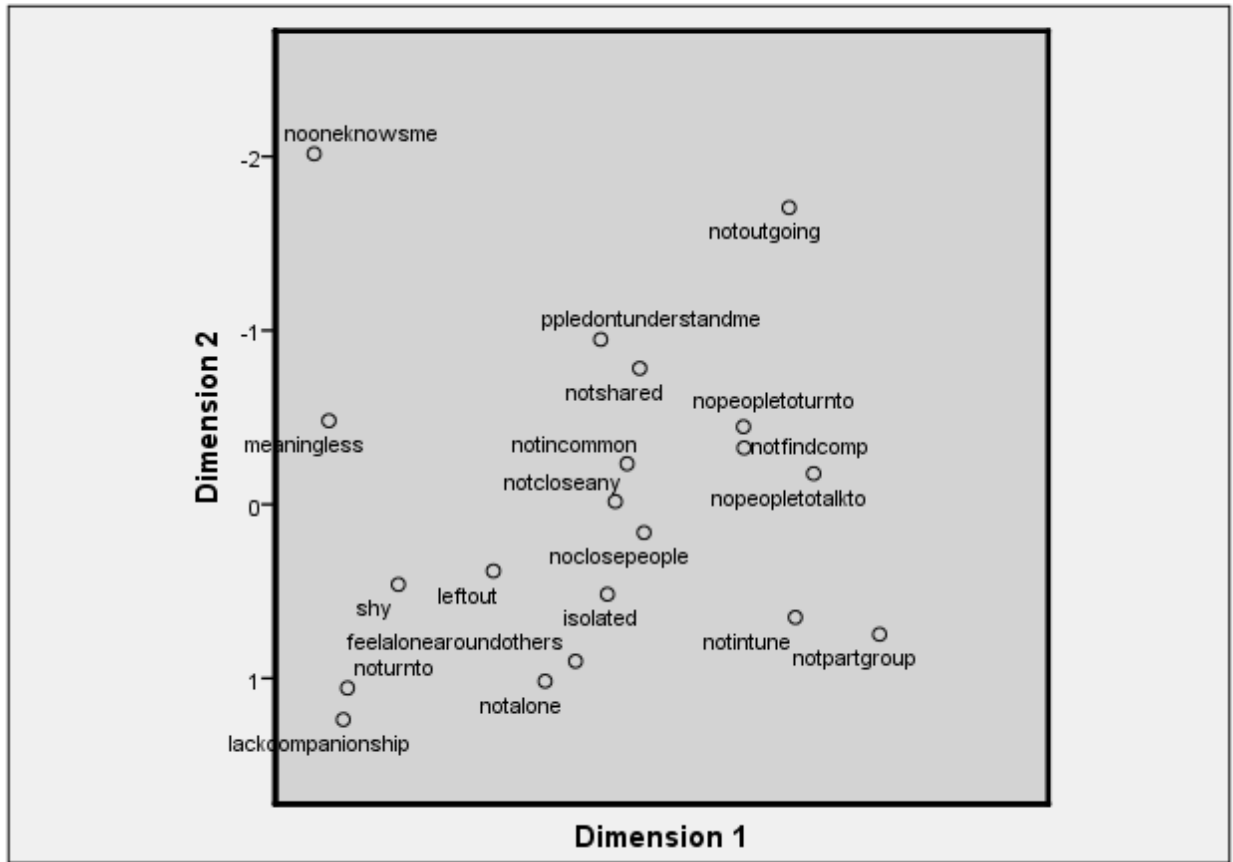
Derived Stimulus Configuration

Euclidean distance model

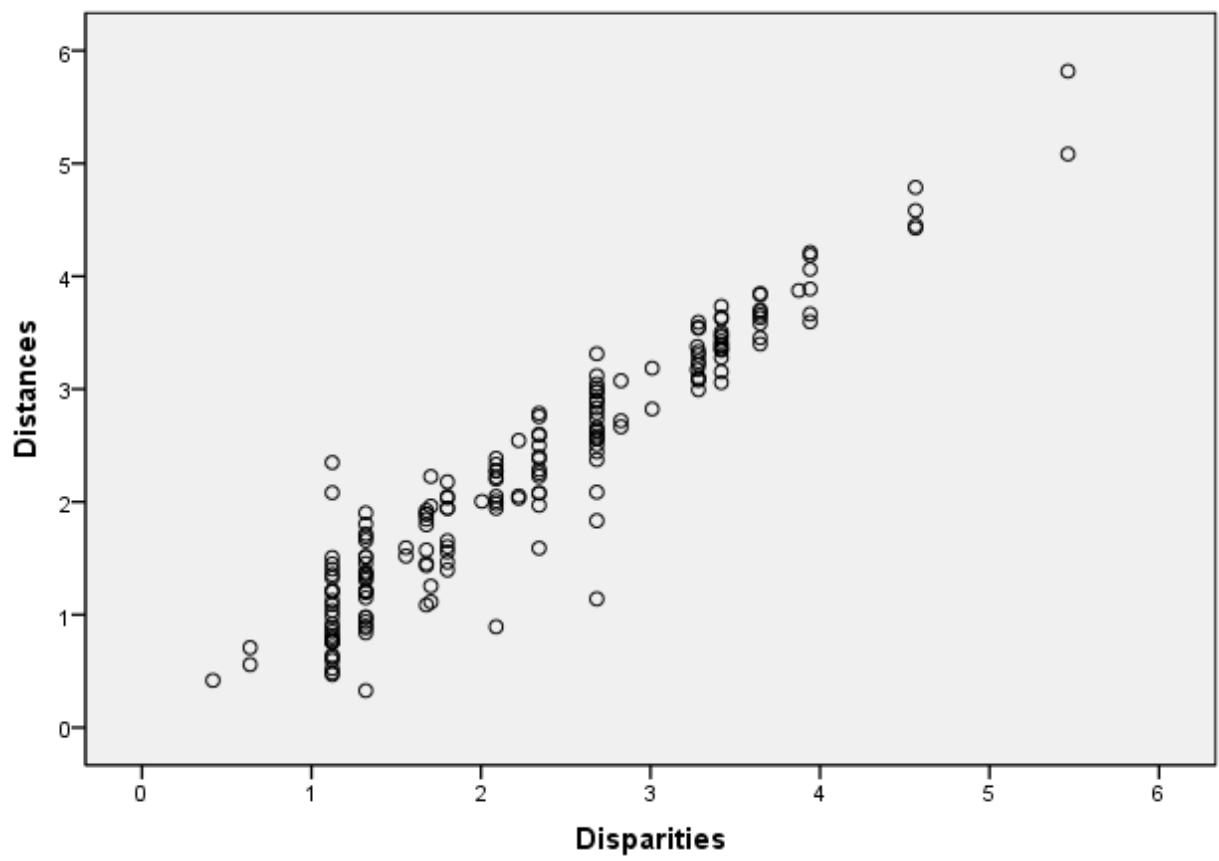


Derived Stimulus Configuration

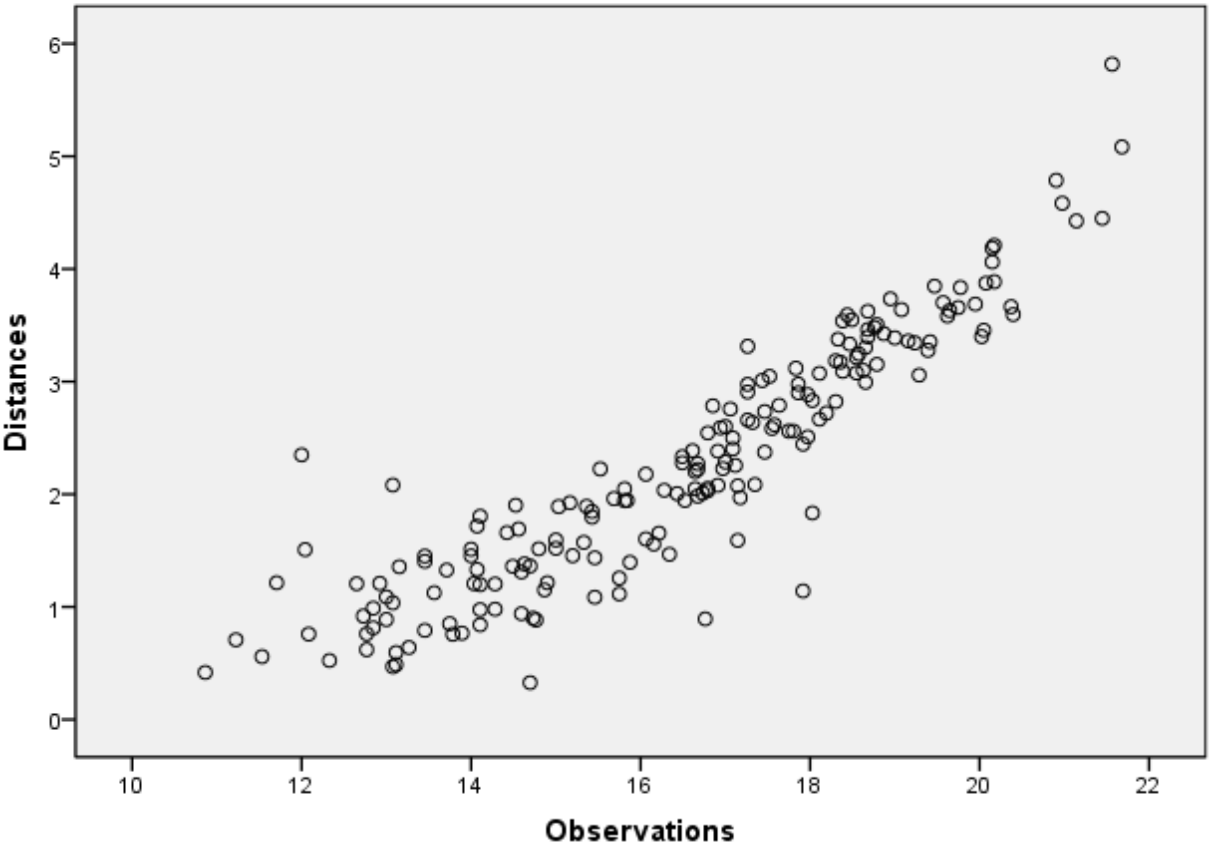
Euclidean distance model



Scatterplot of Linear Fit
Euclidean distance model

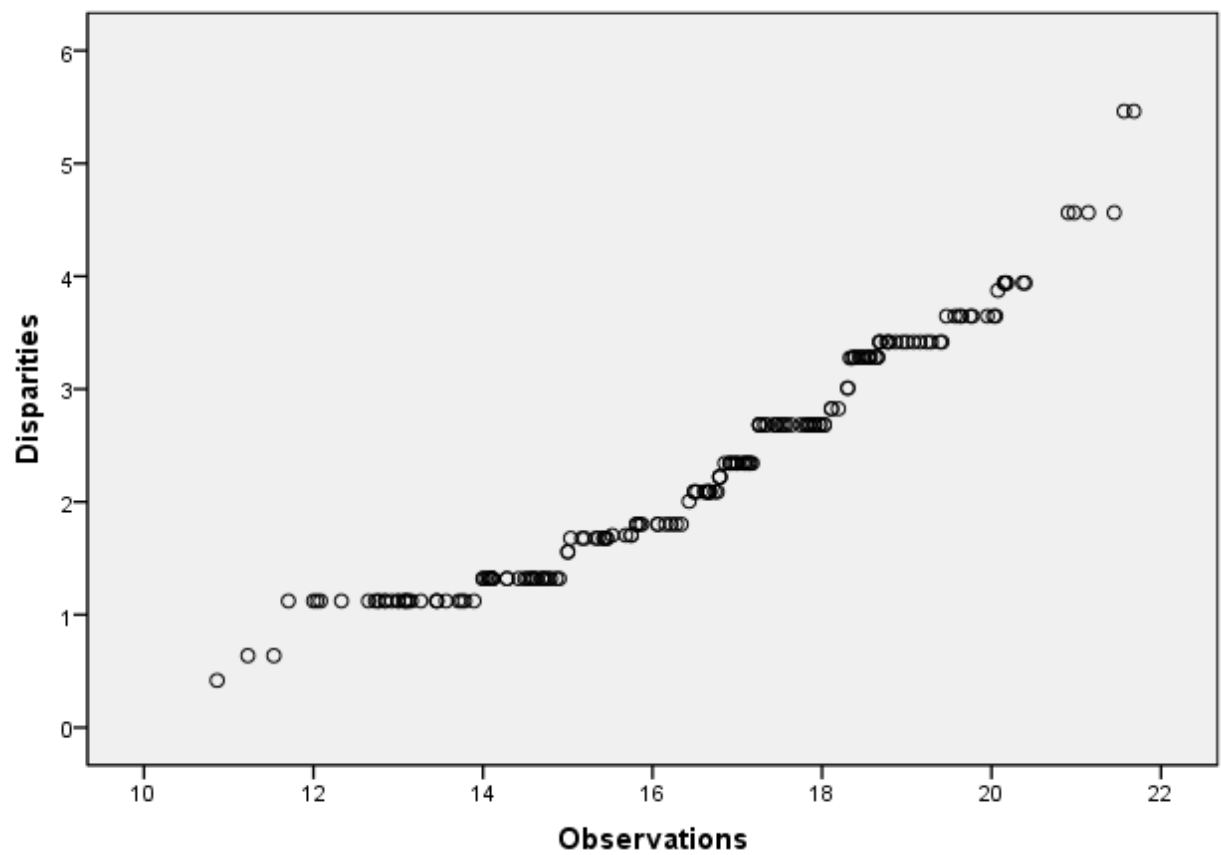


Scatterplot of Nonlinear Fit
Euclidean distance model



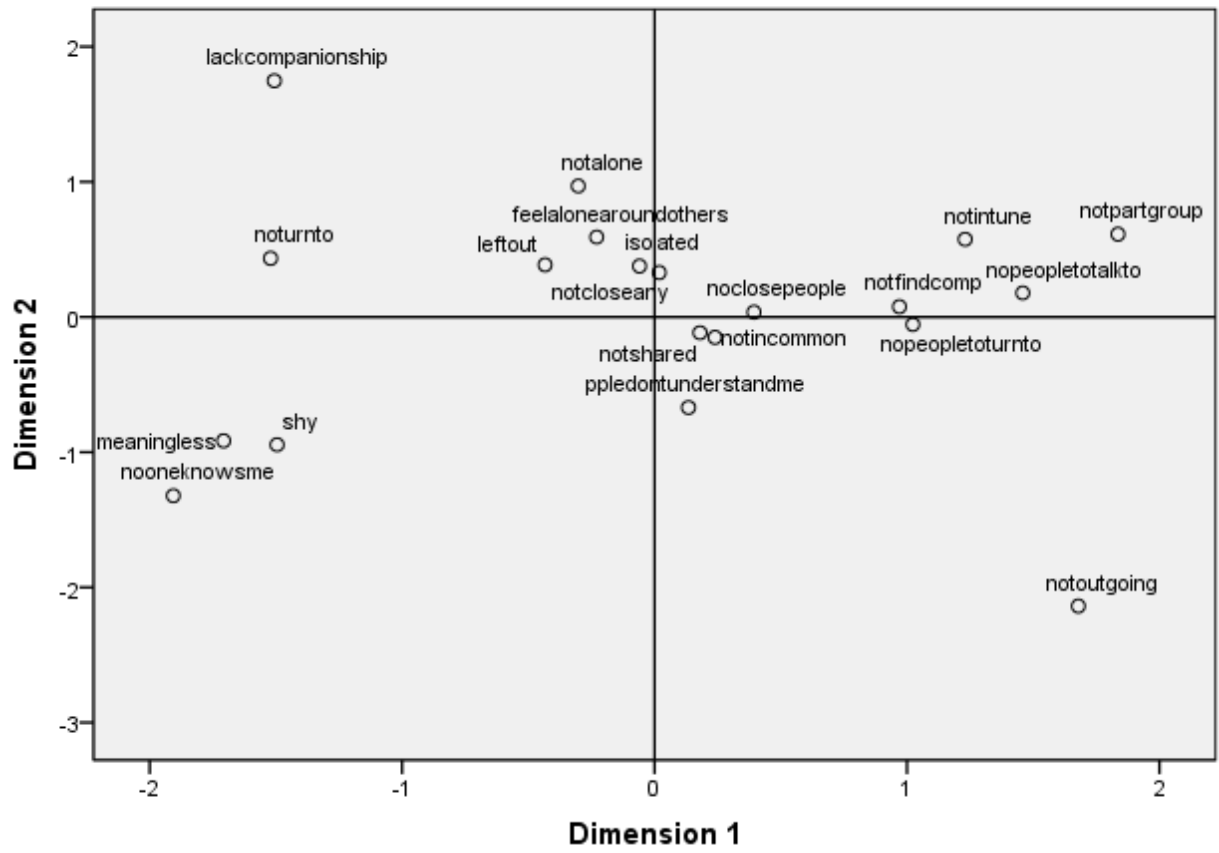
Transformation Scatterplot

Euclidean distance model

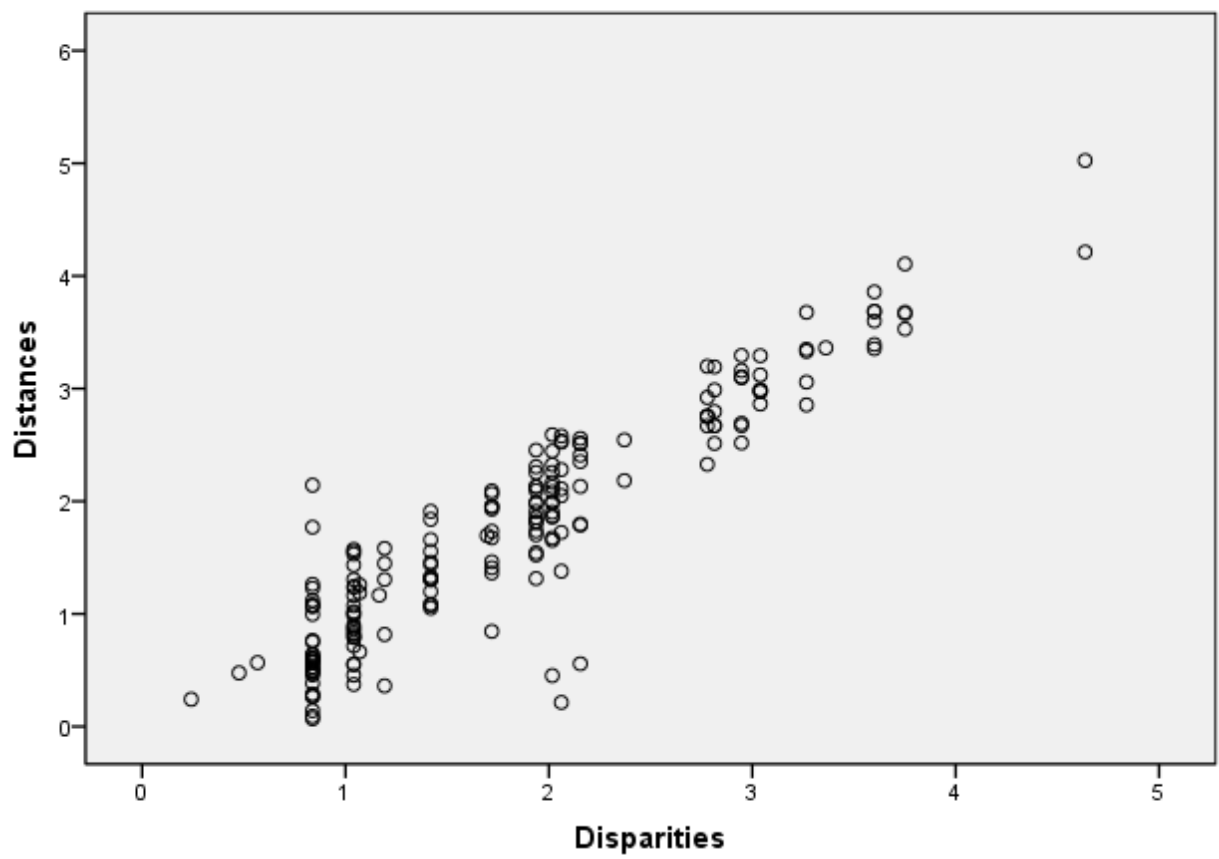


Derived Stimulus Configuration

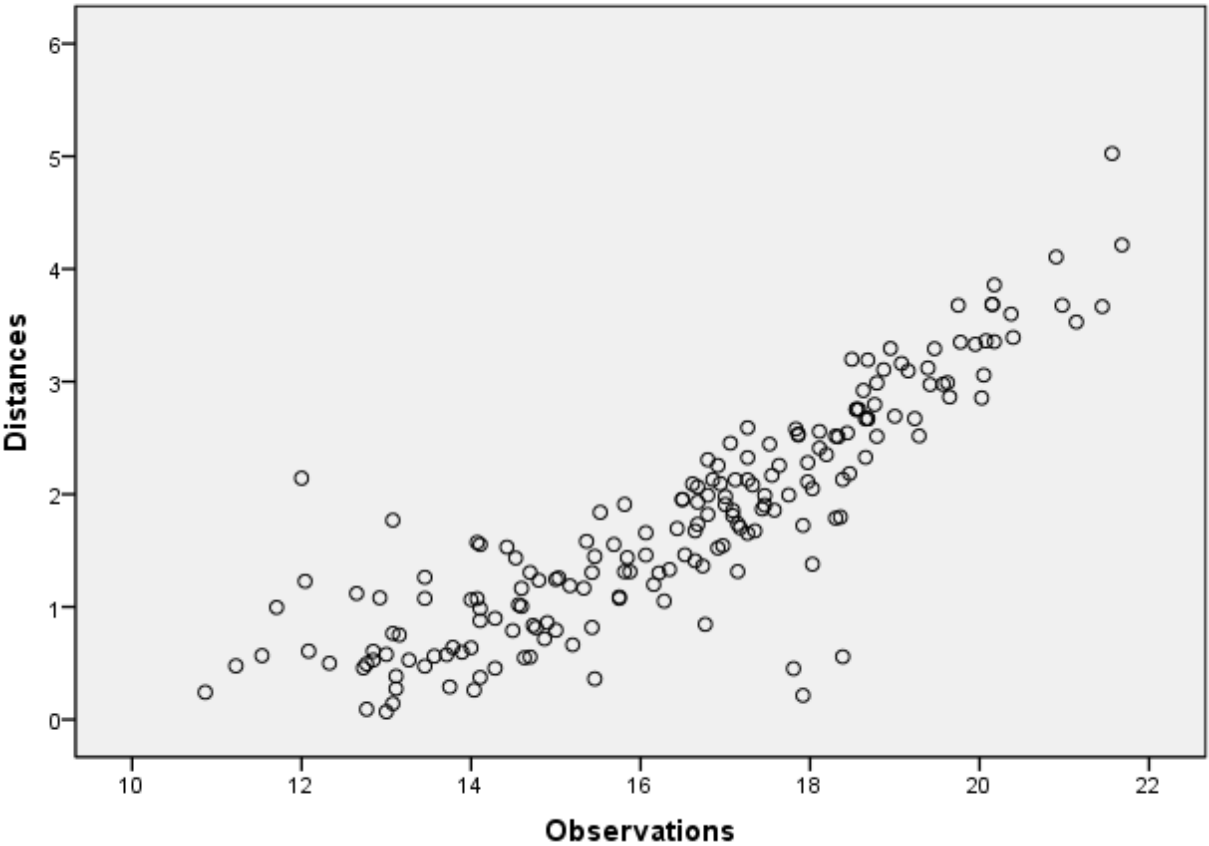
Euclidean distance model



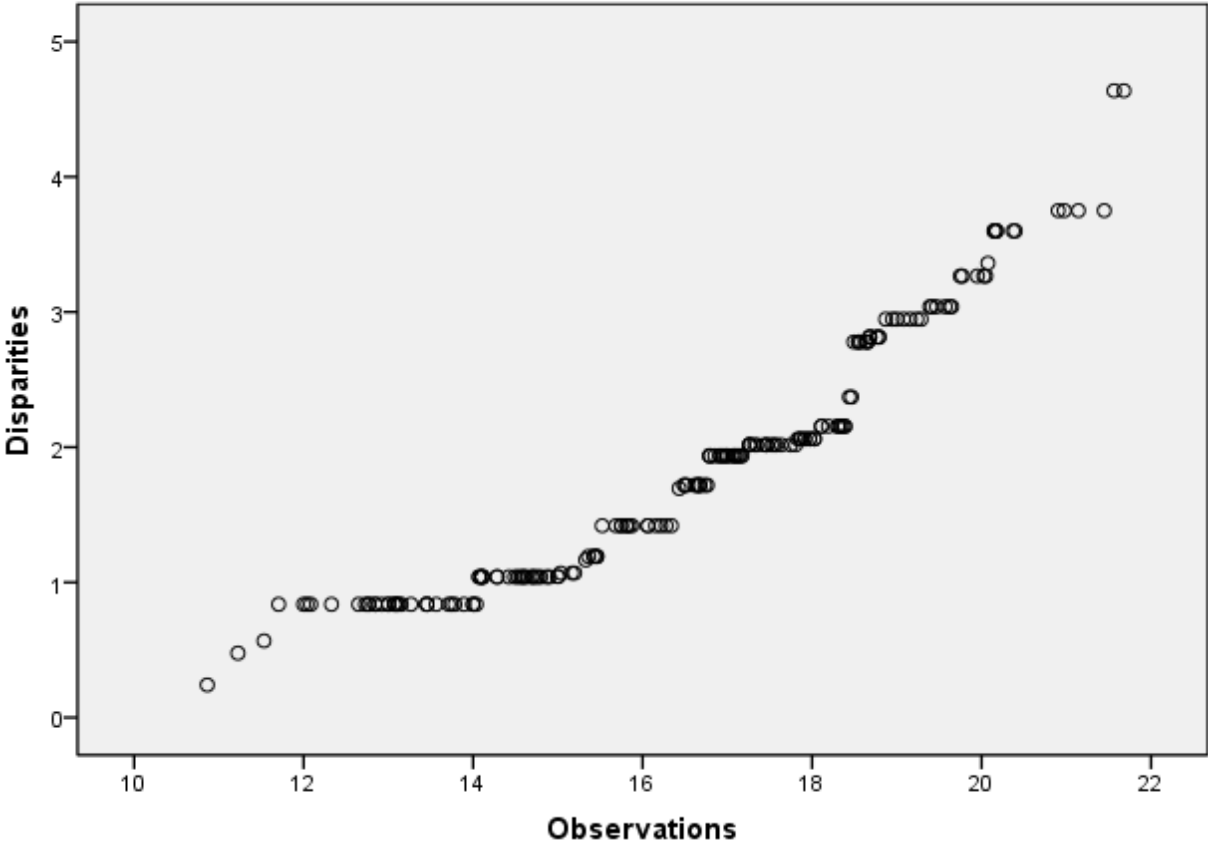
Scatterplot of Linear Fit
Euclidean distance model



Scatterplot of Nonlinear Fit
Euclidean distance model



Transformation Scatterplot
Euclidean distance model



Alscal Procedure Options

Data Options-

Number of Rows (Observations/Matrix).	20
Number of Columns (Variables) . . .	20
Number of Matrices	1
Measurement Level	Ordinal
Data Matrix Shape	Symmetric
Type	Dissimilarity
Approach to Ties	Leave Tied
Conditionality	Matrix
Data Cutoff at000000

Model Options-

Model	Euclid
Maximum Dimensionality	3
Minimum Dimensionality	2
Negative Weights	Not Permitted

Output Options-

Job Option Header	Printed
Data Matrices	Not Printed
Configurations and Transformations .	Plotted
Output Dataset	Not Created
Initial Stimulus Coordinates . . .	Computed

Algorithmic Options-

Maximum Iterations	30
Convergence Criterion00100
Minimum S-stress00500
Missing Data Estimated by	Ulbounds
Tiestore	190

Iteration history for the 3 dimensional solution (in squared distances)

Young's S-stress formula 1 is used.

Iteration	S-stress	Improvement
1	.30199	
2	.18531	.11668

3	.16856	.01675
4	.16374	.00482
5	.16254	.00120
6	.16211	.00042

Iterations stopped because
S-stress improvement is less than .001000

Stress and squared correlation (RSQ) in distances

RSQ values are the proportion of variance of the scaled data (disparities)
in the partition (row, matrix, or entire data) which
is accounted for by their corresponding distances.
Stress values are Kruskal's stress formula 1.

For matrix
Stress = .13276 RSQ = .90630

Configuration derived in 3 dimensions

Stimulus Coordinates

Stimulus Number	Stimulus Name	Dimension		
		1	2	3
1	notintun	1.4597	.6496	.0316
2	lackcomp	-1.7896	1.2373	-1.6409
3	noturnto	-1.7592	1.0560	-.0617
4	notalone	-.3392	1.0169	-.4290
5	notpartg	2.0649	.7473	.4787
6	notincom	.2497	-.2338	.2033
7	notclose	.1654	-.0164	-.3921
8	notshare	.3409	-.7820	-.4891
9	notoutgo	1.4152	-1.7058	2.2209
10	noclosep	.3718	.1621	.2617
11	leftout	-.7109	.3829	-.2130
12	meaningl	-1.8930	-.4812	1.2259
13	noonekno	-1.9991	-2.0154	-.8205
14	isolated	.1083	.5165	-.0794
15	notfindc	1.0913	-.3245	-.3948
16	ppledont	.0607	-.9478	-.4528
17	shy	-1.3939	.4602	1.6335
18	feelalon	-.1208	.9014	.1129
19	nopeople	1.5913	-.1770	-.3469
20	nopeop_1	1.0866	-.4463	-.8485

Iteration history for the 2 dimensional solution (in squared distances)

Young's S-stress formula 1 is used.

Iteration	S-stress	Improvement
1	.35777	
2	.24104	.11673
3	.21938	.02166
4	.21530	.00408
5	.21448	.00082

Iterations stopped because
S-stress improvement is less than .001000

Stress and squared correlation (RSQ) in distances

RSQ values are the proportion of variance of the scaled data (disparities)
in the partition (row, matrix, or entire data) which
is accounted for by their corresponding distances.
Stress values are Kruskal's stress formula 1.

For matrix
Stress = .19005 RSQ = .85156

Configuration derived in 2 dimensions

Stimulus Coordinates

		Dimension	
Stimulus Number	Stimulus Name	1	2
1	notintun	1.2301	.5752
2	lackcomp	-1.5062	1.7478
3	noturnto	-1.5212	.4340
4	notalone	-.3024	.9689
5	notpartg	1.8357	.6131
6	notincom	.2395	-.1507
7	notclose	.0186	.3290
8	notshare	.1798	-.1159
9	notoutgo	1.6788	-2.1385
10	noclosep	.3935	.0353
11	leftout	-.4338	.3860
12	meaningl	-1.7074	-.9160
13	noonekno	-1.9064	-1.3220

14	isolated	-.0599	.3766
15	notfindc	.9700	.0764
16	ppledont	.1345	-.6692
17	shy	-1.4956	-.9449
18	feelalon	-.2294	.5915
19	nopeople	1.4585	.1785
20	nopeop_1	1.0232	-.0551

Abbreviated Name	Extended Name
feelalon	feelaloneyaroundothers
lackcomp	lackcompanionship
meaningl	meaningless
noclosep	noclosepeople
noonekno	nooneknowsme
nopeop_1	nopeopletoturnto
nopeople	nopeopletotalkto
notclose	notcloseany
notfindc	notfindcomp
notincom	notincommon
notintun	notintune
notoutgo	notoutgoing
notpartg	notpartgroup
notshare	notshared
ppledont	ppledontunderstandme