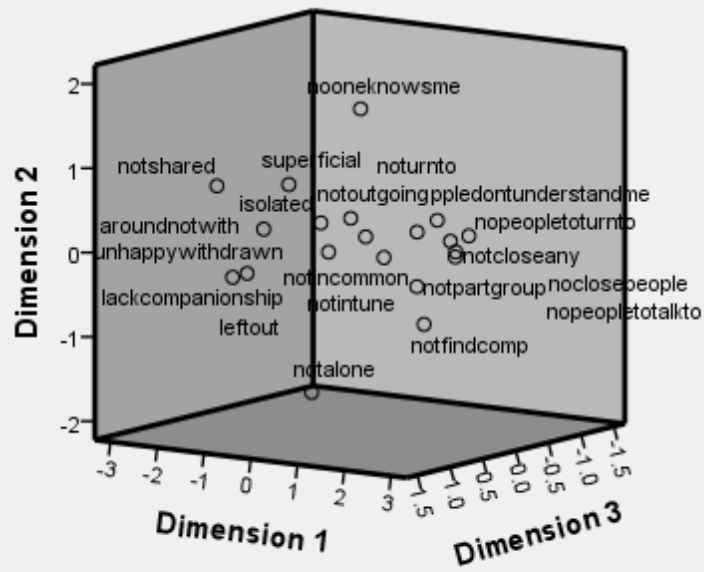


# Notes

Output Created	13-Feb-2012 16:23:08	
Comments		
Input	Data	C:\Users\Louise
		Hawkley\Documents\lhawkley\MyPubs\
		Beijing Collaboration_UCLA Factor
		Analyses\UCLA_US Younger
		Adults.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	135
	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 00:00:02.169
	Elapsed Time	00 00:00:02.121

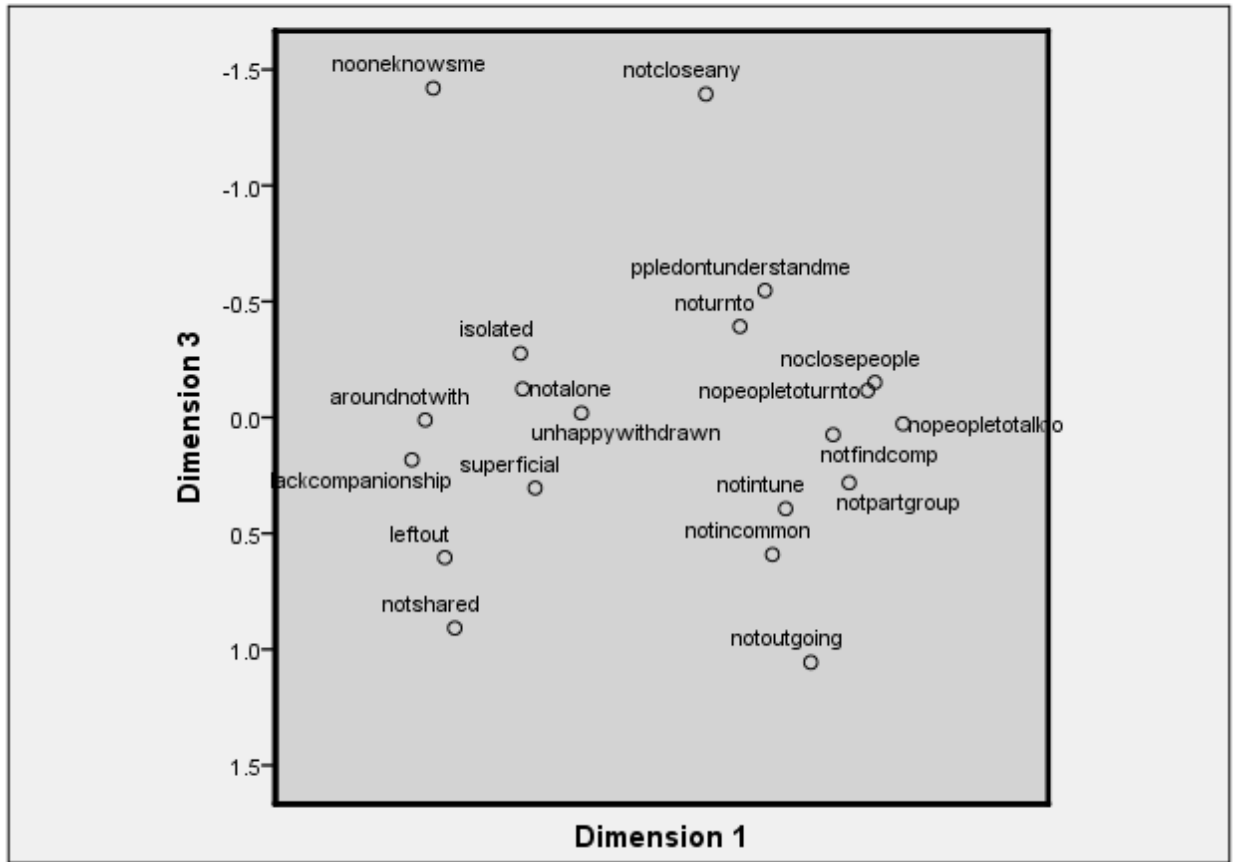
## Derived Stimulus Configuration

### Euclidean distance model



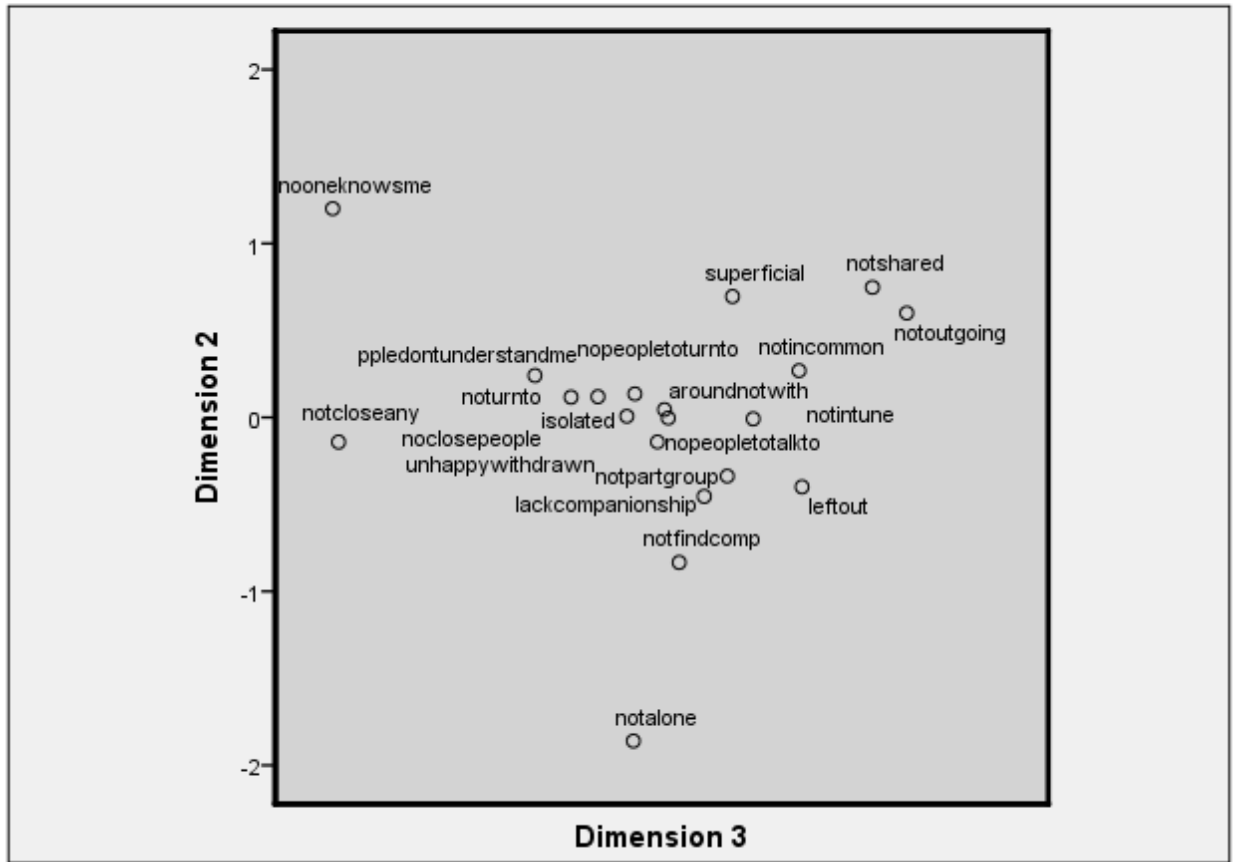
## Derived Stimulus Configuration

### Euclidean distance model



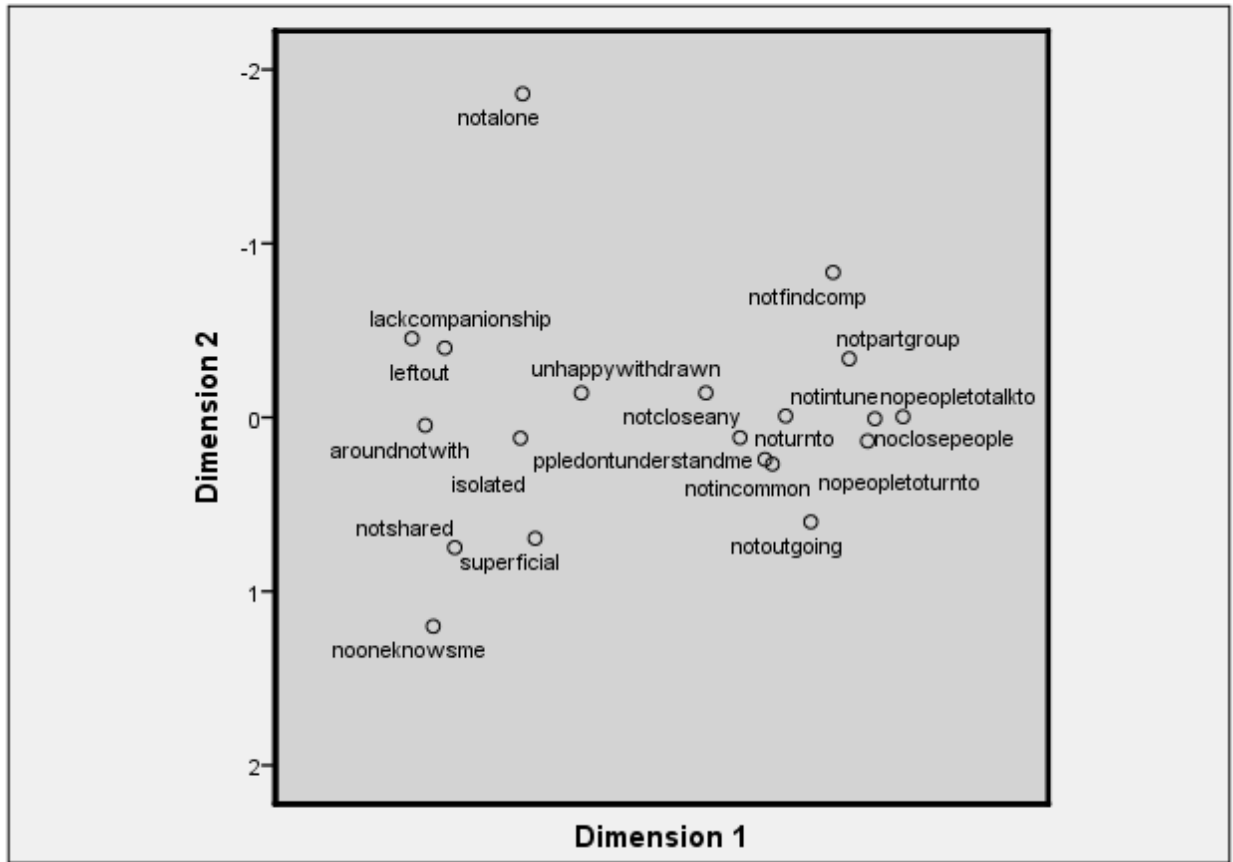
## Derived Stimulus Configuration

### Euclidean distance model

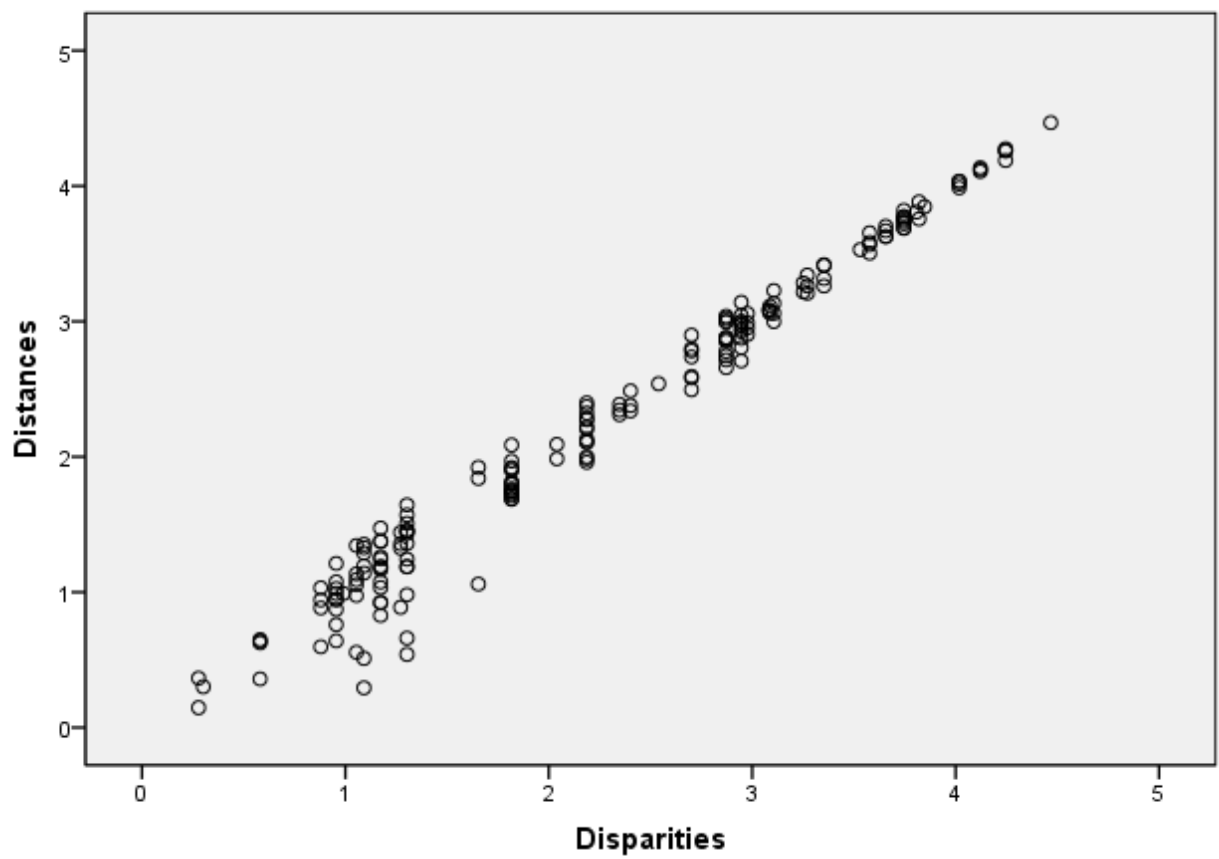


## Derived Stimulus Configuration

### Euclidean distance model

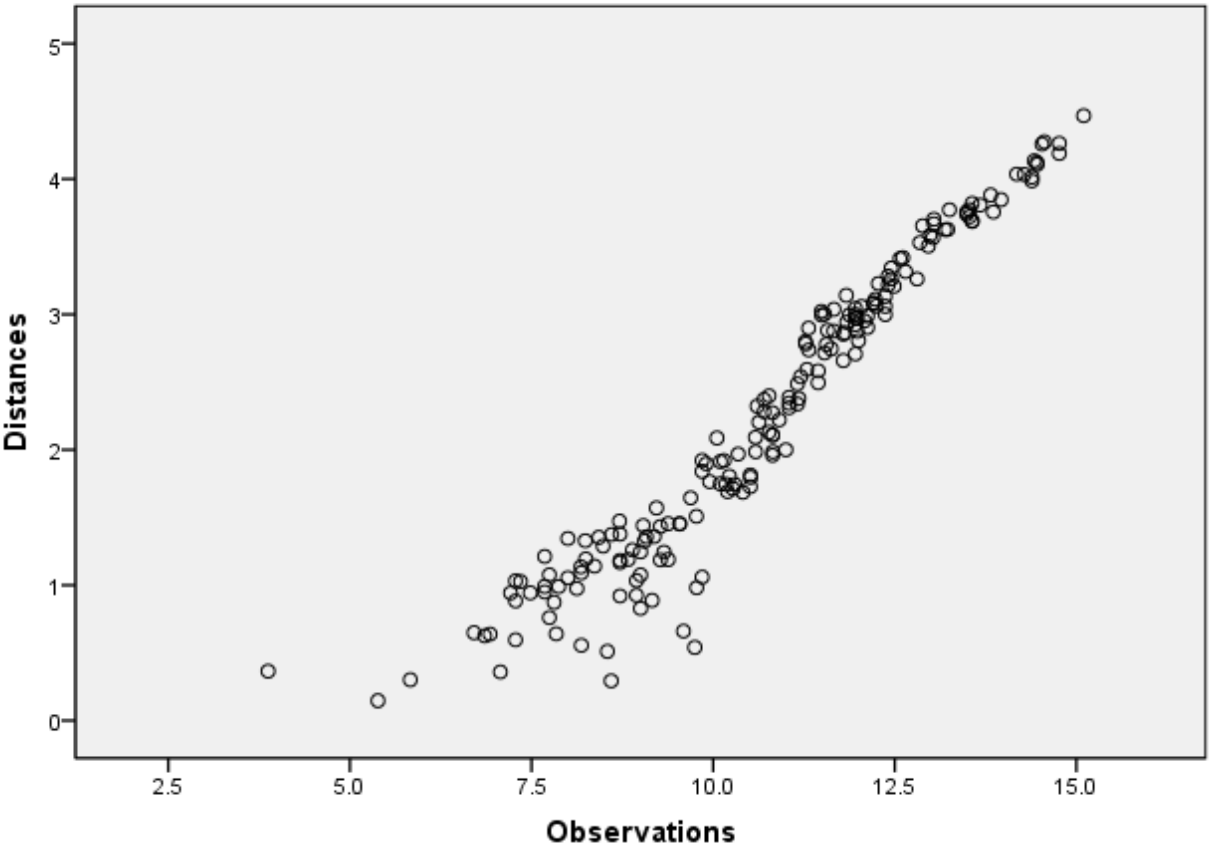


Scatterplot of Linear Fit  
Euclidean distance model

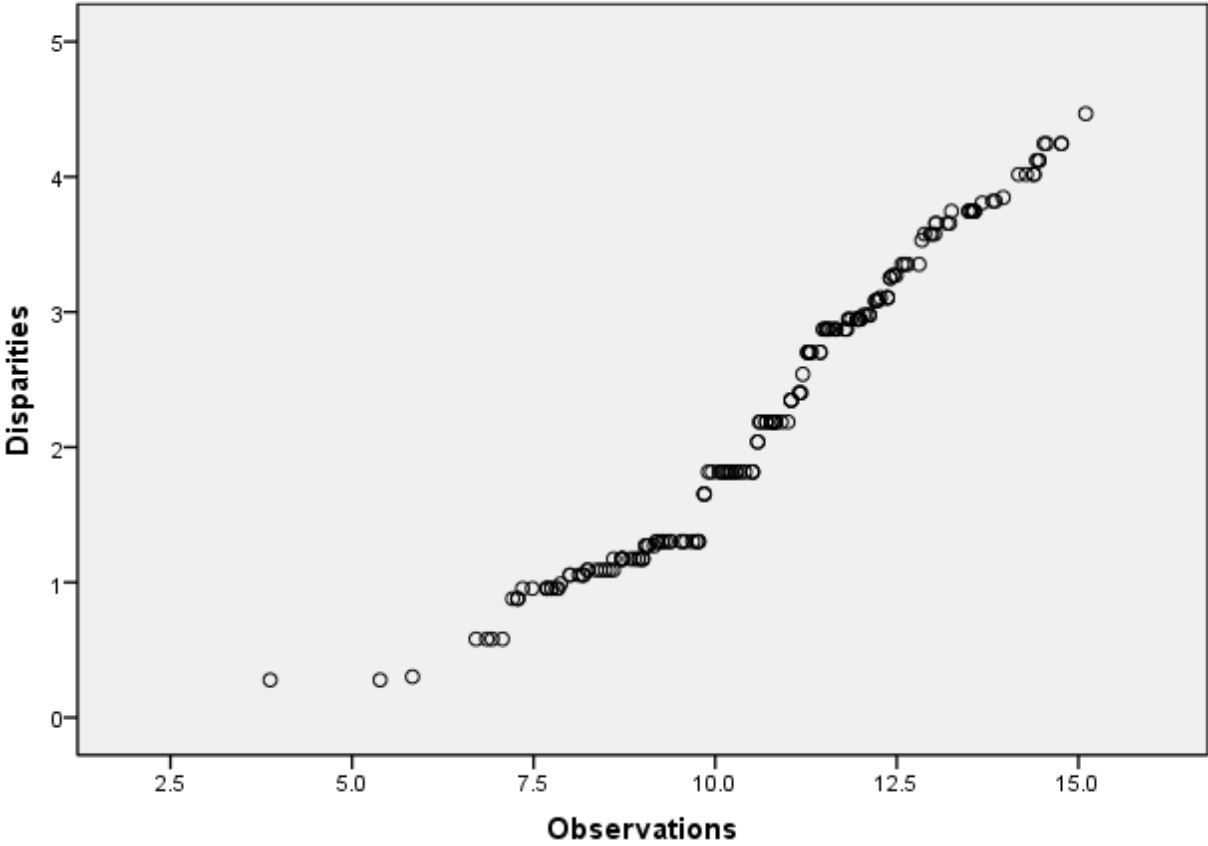


**Scatterplot of Nonlinear Fit**

**Euclidean distance model**



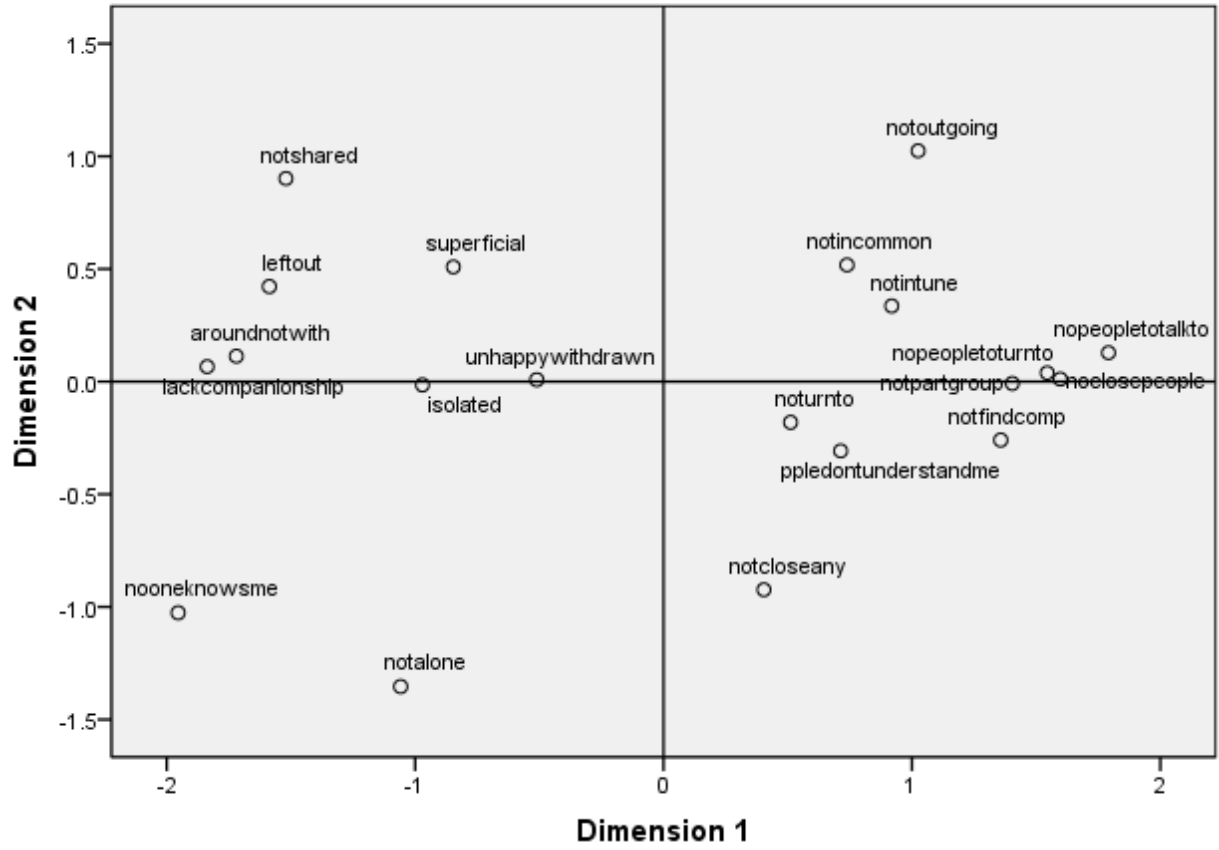
Transformation Scatterplot  
Euclidean distance model



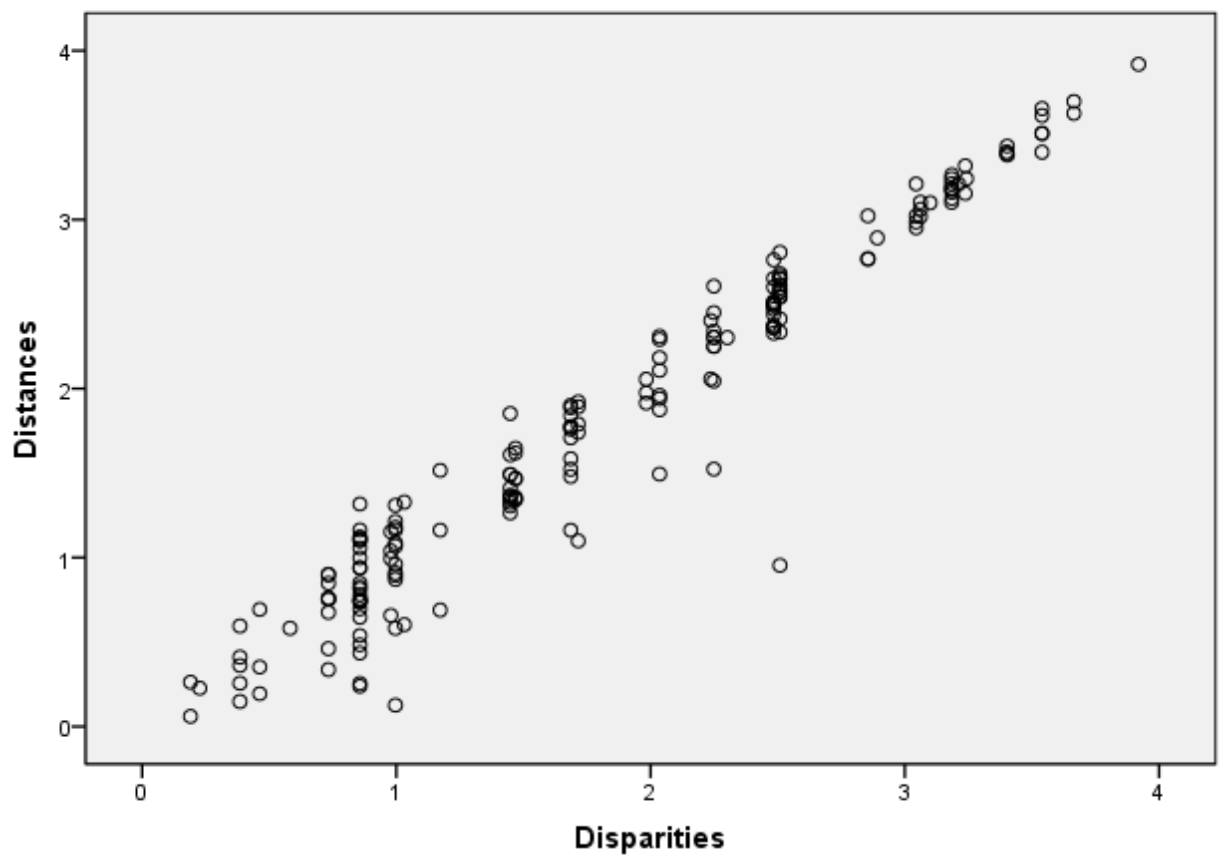


## Derived Stimulus Configuration

### Euclidean distance model

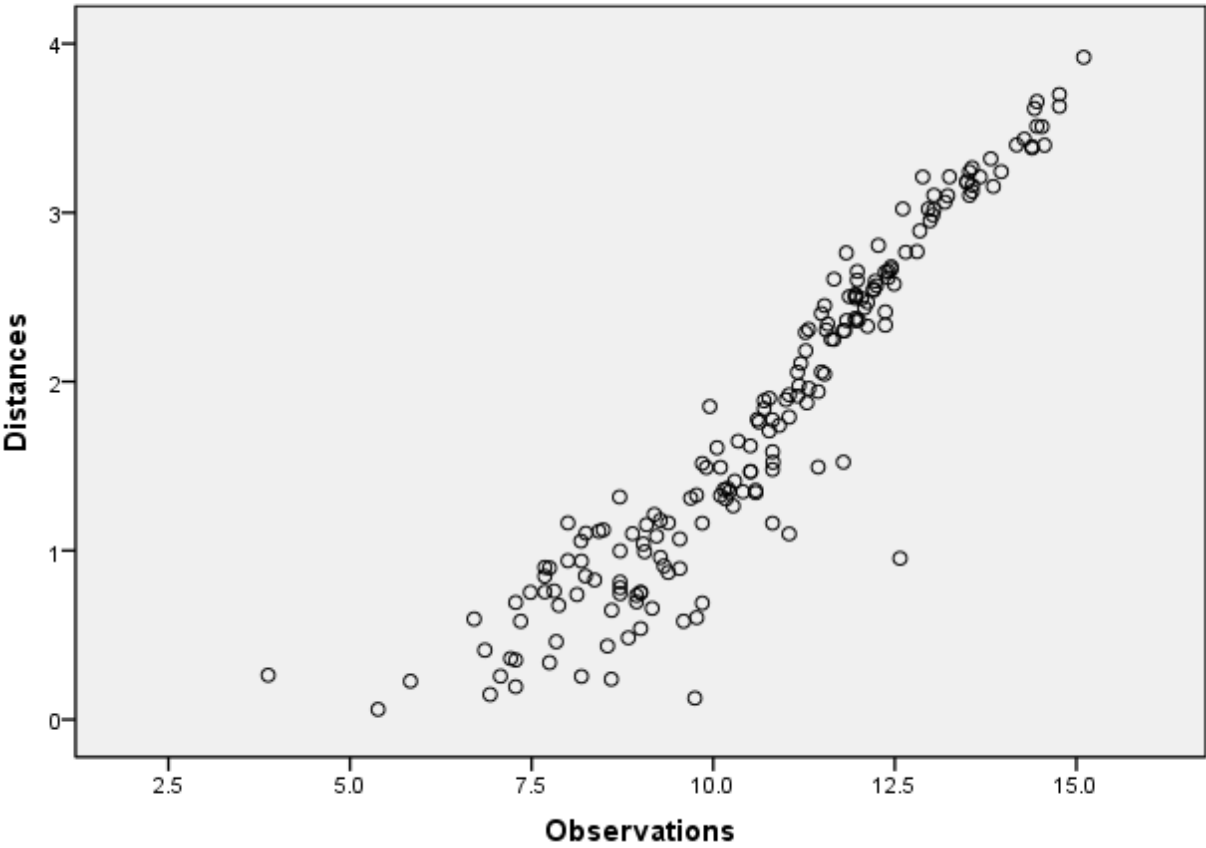


Scatterplot of Linear Fit  
Euclidean distance model

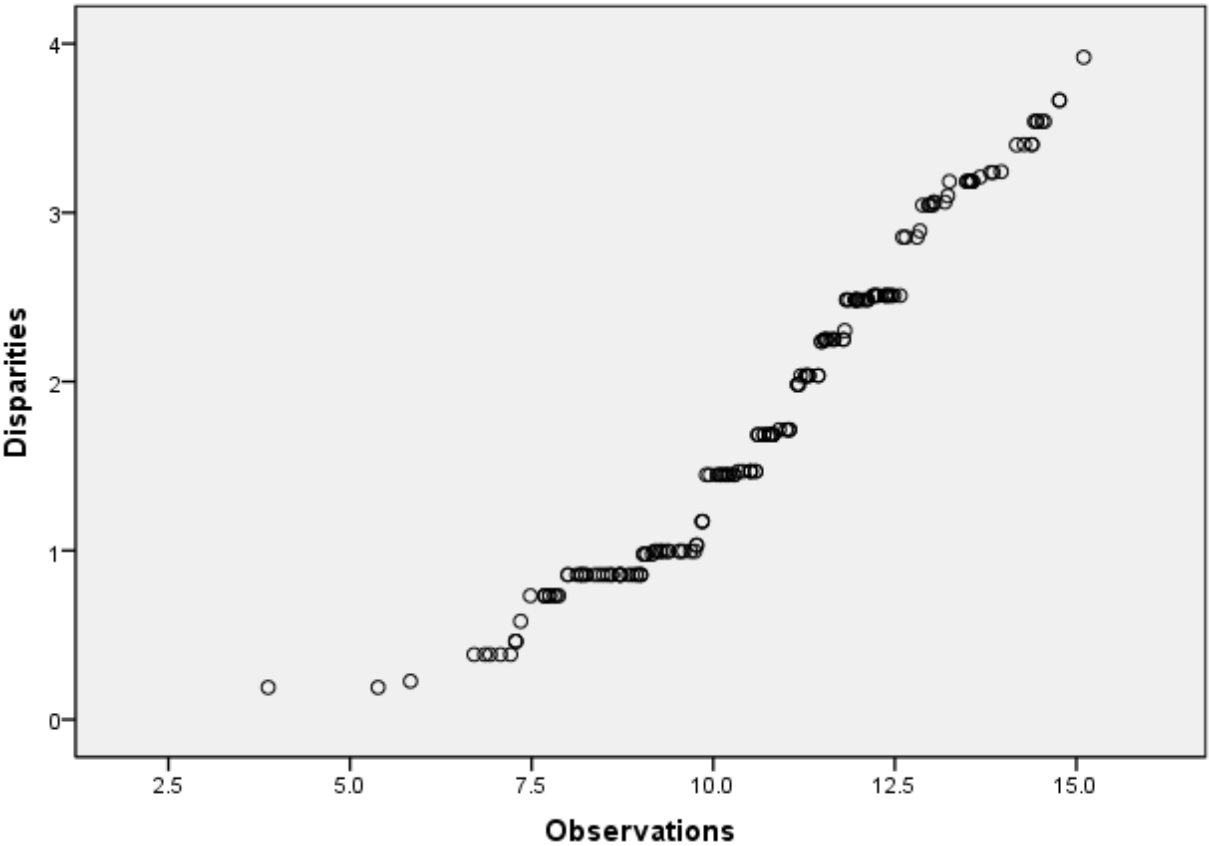


**Scatterplot of Nonlinear Fit**

**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 at . . . . .	.000000

### 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 Criterion . . . . .	.00100
Minimum S-stress . . . . .	.00500
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	.09984	
2	.06869	.03116
3	.06336	.00533
4	.06173	.00163
5	.06115	.00058

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 = .06764 RSQ = .97607

Configuration derived in 3 dimensions  
Stimulus Coordinates

Stimulus Number	Stimulus Name	Dimension		
		1	2	3
1	notintun	1.0677	-.0083	.3938
2	lackcomp	-2.1559	-.4537	.1830
3	noturnto	.6736	.1164	-.3920
4	notalone	-1.2009	-1.8603	-.1226
5	notpartg	1.6158	-.3372	.2820
6	notincom	.9535	.2688	.5914
7	notclose	.3799	-.1414	-1.3942
8	notshare	-1.7859	.7481	.9082
9	notoutgo	1.2850	.6005	1.0564
10	noclosep	1.8376	.0072	-.1510
11	leftout	-1.8722	-.3994	.6045
12	superfic	-1.0928	.6955	.3045
13	noonekno	-1.9713	1.2009	-1.4196
14	isolated	-1.2197	.1192	-.2759

15	notfindc	1.4769	-.8339	.0748
16	ppledont	.8891	.2412	-.5472
17	unhappyw	-.6944	-.1409	-.0187
18	aroundno	-2.0411	.0454	.0111
19	nopeople	2.0802	-.0036	.0276
20	nopeop_1	1.7751	.1356	-.1162

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

Young's S-stress formula 1 is used.

Iteration	S-stress	Improvement
1	.18812	
2	.13030	.05781
3	.12515	.00515
4	.12365	.00150
5	.12294	.00071

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 = .11252      RSQ = .94475

Configuration derived in 2 dimensions

Stimulus Coordinates  
Dimension

Stimulus Number	Stimulus Name	1	2
1	notintun	.9185	.3358
2	lackcomp	-1.8375	.0661
3	noturnto	.5114	-.1808
4	notalone	-1.0584	-1.3536
5	notpartg	1.4041	-.0082
6	notincom	.7383	.5176

7	notclose	.4037	-.9238
8	notshare	-1.5201	.9013
9	notoutgo	1.0247	1.0241
10	noclosep	1.5974	.0107
11	leftout	-1.5869	.4220
12	superfic	-.8464	.5089
13	noonekno	-1.9541	-1.0262
14	isolated	-.9706	-.0148
15	notfindc	1.3574	-.2593
16	ppledont	.7129	-.3079
17	unhappyw	-.5104	.0084
18	aroundno	-1.7198	.1125
19	nopeople	1.7913	.1281
20	nopeop_1	1.5445	.0389

Abbreviated Name	Extended Name
aroundno	aroundnotwith
lackcomp	lackcompanionship
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
superfic	superficial
unhappyw	unhappywithdrawn