



13-19 Ocak 2014 / ANTALYA

Bray - Curtis Ordinasyon Metodu

Eğitmen

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Göllhisar Meslek Yüksekokulu / Ormancılık Bölümü



Main - VVM__PCORD5_Q.WK1

80	ornek								
42	bitki								
	q	q	q	q	q	q	q	q	
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri	
1oa	0	0	0	1	0	1	0	0	
2oa	0	0	0	0	0	0	0	0	
3oa	0	0	0	0	0	1	0	0	
4oa	0	0	0	0	0	0	0	0	
5oa	0	0	0	0	0	0	0	1	
6oa	0	0	0	0	0	0	0	0	
7oa	0	0	0	0	0	0	0	0	
8oa	0	0	0	0	0	0	0	0	
9oa	0	0	0	0	0	0	0	0	
10oa	0	0	0	0	0	0	0	0	
11oa	0	0	1	0	0	1	0	0	

Second - CVM_NEW.WK1

80	ornek								
20	degisken								
	q	q	q	q	q	q	q	q	
	yuksilt	radinx	egim	yuztas	topder	kum	toz	kil	
oa1	1462	0.066987295	90	20.5	61.8608	29.6638	8.47537		
oa2	1545	0.98296210	60	7.1875	29.8227	34.0253	36.1518		
oa3	1485	0.066987280	60	32.8125	73.6378	19.7716	6.59053		
oa4	1089	0.93301260	30	26.48	17.6568	23.2249	59.1181		
oa5	1224	0.98296225	60	22.04	16.1992	23.0451	60.7555		
oa6	1010	0.066987275	40	41.12	6.81018	14.4961	78.6936		
oa7	1030	0.98296255	70	26.04	25.1448	14.5551	60.3		
oa8	1028	0.98296265	80	15.76	70.0499	12.2746	17.6754		
oa9	990	0.62940920	20	33.12	22.7328	23.197	54.0701		
oa10	950	0.2555	50	27.4	21.7262	24.9544	53.3193		
oa11	1350	0.066987290	90	7.68	64.2334	23.6437	12.1227		

PC-ORD

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Main - VVM_PCORD5_Q.WK1

80	ornek						
42	bitki						
	q	q					
	ArbAnd	BerC					
1oa	0	0				0	0
2oa	0	0				0	0
3oa	0	0	0	0		0	1
4oa	0	0	0	0		0	0
5oa	0	0	0	0		0	0
6oa	0	0	0	0		0	0
7oa	0	0	0	0		0	0
8oa	0	0	0	0		0	0
9oa	0	0	0	0		0	0
10oa	0	0	0	0		0	0
11oa	0	0	1	0		0	1
12oa	0	0	0	0		0	1
13oa	0	1	0	0		1	0

Second - CVM_NEW.WK1

80	ornek						
20	degisken						
	q	q	q	q	q	q	q
	yukslt	radinx	egim	yuztas	topder	kum	toz
oa1	1462	0.0669872	95	90	20.5	61.8608	29.663
oa2	1545	0.982962	10	60	7.1875	29.8227	34.025
oa3	1485	0.0669872	80	60	32.8125	73.6378	19.771
oa4	1089	0.933012	60	30	26.48	17.6568	23.224
oa5	1224	0.982962	25	60	22.04	16.1992	23.045
oa6	1010	0.0669872	75	40	41.12	6.81018	14.496
oa7	1030	0.982962	55	70	26.04	25.1448	14.555
oa8	1028	0.982962	65	80	15.76	70.0499	12.274
oa9	990	0.629409	20	20	33.12	22.7328	23.197
oa10	950	0.25	55	50	27.4	21.7262	24.954
oa11	1350	0.0669872	90	90	7.68	64.2334	23.643
oa12	1365	0.0669872	60	80	10.04	30.5322	31.924
oa13	1440	0.37059	60	80	14.92	39.4339	30.677

Main:VVM_PCORD5_Q.WK1

Second:CVM_NEW.WK1

Row:

Main - VVM__PCORD5_Q.WK1

80	ornek						
42	bitki						
	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCoc
10a	0	0	0	1	0	1	0
20a	0	0	0	0	0	0	0
30a	0	0	0	0	0	1	0
40a	0	0	0	0	0	0	0
50a	0	0	0	0	0	0	0
60a	0	0	0	0	0	0	0
70a	0	0	0	0	0	0	0
80a							0
90a							0
100a							0
110a							0
120a							0
130a							n
Seco							
80							
20							
oa1							
oa2							
oa3							
oa4							
oa5							
oa6							
oa7							
oa8							
oa9							
oa10							
oa11	1350	0.000507250	50	7.00	04.2554	23.197	
oa12	1365	0.066987260	80	10.04	30.5322	31.924	
oa13	1440	0.37059	60	80	14.92	39.4339	30.677

Bray-Curtis Setup

Distance Measure

- Sørensen (Bray-Curtis)
- Relative Sørensen
- Jaccard
- Euclidean (Pythagorean)
- Relative Euclidean
- Correlation
- Chi-squared
- Squared Euclidean

Number of axes =

3

List residual Matrix for axis

0

 List distance Matrix Calculate scores for bitki by weighted averaging

Endpoint Selection Method

- Bray-Curtis original
- Variance-regression
- Minimum deviation
- Subjective

Axis Projection Geometry

- Euclidean
- City-block 1-2W/(A+B)

Residual Distances

- Euclidean
- City-block 1-2W/(A+B)

OK

Cancel

Help

Main - VVM__PCORD5_Q.WK1

80	ornek								
42	bitki								
	q	q	q	q	q	q	q	q	
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri	
1oa	0	0	0	1	0	1	0	0	
2oa	0	0	0	0	0	0	0	0	
3oa	0	0	0	0	0	1	0	0	
4oa	0	0	0	0	0	0	0	0	
5oa	0	0	0	0	0	0	0	1	
6oa	0	0	0	0	0	0	0	0	
7oa	0	0	0	0	0	0	0	0	
8oa	0	0	0	0	0	0	0	0	
9oa	0	0	0	0	0	0	0	0	
10oa	0	0	0	0	0	0	0	0	
11oa	0	0	1						

Second - CVM_NEW.WK1

80	ornek								
20	degisken								
	q	q	q						
	yuksilt	radinx	eo						
oa1	1462	0.0669872	90						
oa2	1545	0.982962	10	60	7.1875	29.8227	34.0253	36.1518	
oa3	1485	0.0669872	80	60	32.8125	73.6378	19.7716	6.59053	
oa4	1089	0.933012	60	30	26.48	17.6568	23.2249	59.1181	
oa5	1224	0.982962	25	60	22.04	16.1992	23.0451	60.7555	
oa6	1010	0.0669872	75	40	41.12	6.81018	14.4961	78.6936	
oa7	1030	0.982962	55	70	26.04	25.1448	14.5551	60.3	
oa8	1028	0.982962	65	80	15.76	70.0499	12.2746	17.6754	
oa9	990	0.629409	20	20	33.12	22.7328	23.197	54.0701	
oa10	950	0.25	55	50	27.4	21.7262	24.9544	53.3193	
oa11	1350	0.0669872	90	90	7.68	64.2334	23.6437	12.1227	▼

Bray-Curtis

Descriptive title for results:

OK

Cancel

Help

PC-ORD - [Result - RESULT.TXT]

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

***** Bray-Curtis Ordination *****

PC-ORD, Version 4.0

5 Jan 2014, 17:18

Ordination of ornek in bitki space. 80 ornek 42 bitki

The following options were selected:

Distance measure = Sorensen (Bray & Curtis)

Endpoint selection = Var.-Regression

Projection geometry = Euclidean

Calculation of residuals = Euclidean

Output options selected:

Write distance matrix

* Write axes 1 through 3

Write no residual distance matrix

Endpoints for axis 1: 74oa 17oa

Distances (ordination scores) are from 74oa

Sum of squares of non-redundant distances

in original matrix = .173120E+04

Regression coefficient for this axis = -42.20

Variance in distances from the first endpoint = 4.63

Axis 1 extracted 29.00% of the original distance matrix

Cumulative: 29.00%

Sum of squares of residual distances remaining = .122910E+04

Ordination scores on axis 1

PC-ORD - [Result - RESULT.TXT]

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Endpoints for axis 1: 74oa 17oa
 Distances (ordination scores) are from 74oa

Sum of squares of non-redundant distances
 in original matrix = .173120E+04

Regression coefficient for this axis = -42.20
 Variance in distances from the first endpoint = 4.63

Axis 1 extracted 29.00% of the original distance matrix
 Cumulative: 29.00%
 Sum of squares of residual distances remaining = .122910E+04

Ordination scores on axis 1

Seq.	Name	Score									
1	1oa	0.846	2	2oa	0.500	3	3oa	0.500	4	4oa	0.125
5	5oa	0.375	6	6oa	0.255	7	7oa	0.306	8	8oa	0.092
9	9oa	0.375	10	10oa	0.195	11	11oa	0.548	12	12oa	0.687
13	13oa	0.803	14	14oa	0.154	15	15oa	0.603	16	16oa	0.378
17	17oa	1.000	18	18oa	0.192	19	19oa	0.389	20	20oa	0.466
21	21oa	0.154	22	22oa	0.145	23	23oa	0.080	24	24oa	0.046
25	25oa	0.045	26	26oa	0.056	27	27oa	0.025	28	28oa	0.112
29	29oa	0.125	30	30oa	0.045	31	31oa	0.056	32	32oa	0.254
33	33oa	0.590	34	34oa	0.718	35	35oa	0.760	36	36oa	0.703
37	37oa	0.375	38	38oa	0.358	39	39oa	0.376	40	40oa	0.099
41	41oa	0.875	42	42oa	0.603	43	43oa	0.323	44	44oa	0.305
45	45oa	0.284	46	46oa	0.189	47	47oa	0.230	48	48oa	0.980
49	49oa	0.310	50	50oa	0.068	51	51oa	0.703	52	52oa	0.114
53	53oa	0.820	54	54oa	0.846	55	55oa	0.559	56	56oa	0.269
57	57oa	0.163	58	58oa	0.820	59	59oa	0.555	60	60oa	0.745
61	61oa	0.778	62	62oa	0.573	63	63oa	0.376	64	64oa	0.109
65	65oa	0.202	66	66oa	0.680	67	67oa	0.680	68	68oa	0.778
69	69oa	0.375	70	70oa	0.056	71	71oa	0.163	72	72oa	0.112
73	73oa	0.070	74	74oa	0.000	75	75oa	0.010	76	76oa	0.077
77	77oa	0.077	78	78oa	0.112	79	79oa	0.066	80	80oa	0.125

PC-ORD - [Result - RESULT.TXT]

File	Edit	Modify Data	Summary	Ordination	Graph	Groups	Window	Options	Help
77 77oa	0.077	78 78oa	0.112	79 79oa	0.066	80 80oa	0.125		

Endpoints for axis 2: 5oa 63oa
 Distances (ordination scores) are from 5oa

Regression coefficient for this axis = -21.43
 Variance in distances from the first endpoint = 3.51

Axis 2 extracted 12.48% of the original distance matrix
 Cumulative: 41.49%
 Sum of squares of residual distances remaining = .101297E+04

Ordination scores on axis 2

Seq.	Name	Score	Seq.	Name	Score	Seq.	Name	Score	Seq.	Name	Score
1 1oa	0.298	2 2oa	0.518	3 3oa	0.521	4 4oa	0.301				
5 5oa	0.000	6 6oa	0.056	7 7oa	0.179	8 8oa	0.221				
9 9oa	0.188	10 10oa	0.305	11 11oa	0.672	12 12oa	0.241				
13 13oa	0.234	14 14oa	0.301	15 15oa	0.655	16 16oa	0.517				
17 17oa	0.320	18 18oa	0.348	19 19oa	0.402	20 20oa	0.392				
21 21oa	0.426	22 22oa	0.381	23 23oa	0.603	24 24oa	0.435				
25 25oa	0.510	26 26oa	0.281	27 27oa	0.507	28 28oa	0.507				
29 29oa	0.603	30 30oa	0.603	31 31oa	0.614	32 32oa	0.514				
33 33oa	0.425	34 34oa	0.511	35 35oa	0.511	36 36oa	0.610				
37 37oa	0.712	38 38oa	0.820	39 39oa	0.359	40 40oa	0.515				
41 41oa	0.512	42 42oa	0.655	43 43oa	0.432	44 44oa	0.397				
45 45oa	0.293	46 46oa	0.278	47 47oa	0.203	48 48oa	0.302				
49 49oa	0.428	50 50oa	0.428	51 51oa	0.722	52 52oa	0.512				
53 53oa	0.628	54 54oa	0.778	55 55oa	0.589	56 56oa	0.423				
57 57oa	0.423	58 58oa	0.305	59 59oa	0.606	60 60oa	0.820				
61 61oa	0.517	62 62oa	0.298	63 63oa	1.000	64 64oa	0.733				
65 65oa	0.719	66 66oa	0.509	67 67oa	0.760	68 68oa	0.517				
69 69oa	0.156	70 70oa	0.515	71 71oa	0.520	72 72oa	0.304				
73 73oa	0.234	74 74oa	0.320	75 75oa	0.217	76 76oa	0.508				
77 77oa	0.350	78 78oa	0.507	79 79oa	0.433	80 80oa	0.303				

PC-ORD - [Result - RESULT.TXT]

File	Edit	Modify Data	Summary	Ordination	Graph	Groups	Window	Options	Help
73 73oa	0.207	75 75oa	0.340	76 76oa	0.217	78 78oa	0.300		

Endpoints for axis 3: 78oa 8oa
 Distances (ordination scores) are from 78oa

Regression coefficient for this axis = -47.28
 Variance in distances from the first endpoint = 3.47

Axis 3 extracted 15.10% of the original distance matrix
 Cumulative: 56.58%
 Sum of squares of residual distances remaining = .751612E+03

Ordination scores on axis 3

Seq.	Name	Score									
1	1oa	0.525	2	2oa	0.922	3	3oa	0.790	4	4oa	0.853
5	5oa	0.715	6	6oa	0.699	7	7oa	0.925	8	8oa	0.958
9	9oa	0.768	10	10oa	0.928	11	11oa	0.615	12	12oa	0.617
13	13oa	0.598	14	14oa	0.610	15	15oa	0.527	16	16oa	0.523
17	17oa	0.485	18	18oa	0.534	19	19oa	0.355	20	20oa	0.684
21	21oa	0.573	22	22oa	0.435	23	23oa	0.352	24	24oa	0.313
25	25oa	0.461	26	26oa	0.106	27	27oa	0.325	28	28oa	0.213
29	29oa	0.059	30	30oa	0.351	31	31oa	0.404	32	32oa	0.470
33	33oa	0.878	34	34oa	0.655	35	35oa	0.479	36	36oa	0.609
37	37oa	0.376	38	38oa	0.827	39	39oa	0.537	40	40oa	0.529
41	41oa	0.436	42	42oa	0.644	43	43oa	0.497	44	44oa	0.277
45	45oa	0.347	46	46oa	0.327	47	47oa	0.167	48	48oa	0.479
49	49oa	0.503	50	50oa	0.718	51	51oa	0.541	52	52oa	0.580
53	53oa	0.356	54	54oa	0.496	55	55oa	0.600	56	56oa	0.686
57	57oa	0.806	58	58oa	0.521	59	59oa	0.599	60	60oa	0.629
61	61oa	0.539	62	62oa	0.520	63	63oa	0.715	64	64oa	0.582
65	65oa	0.683	66	66oa	0.535	67	67oa	0.610	68	68oa	0.539
69	69oa	0.745	70	70oa	0.528	71	71oa	0.527	72	72oa	0.603
73	73oa	0.687	74	74oa	0.485	75	75oa	0.356	76	76oa	0.254
77	77oa	0.164	78	78oa	0.000	79	79oa	0.232	80	80oa	0.120

***** Calculations completed. There were 3 Bray-Curtis axes calculated *****

PC-ORD

Main - VVM__PCORD5_Q.WK1

80	ornek							
42	bitki							
	q	q	q	q	q	q	q	
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNur	CotCog	CraOri
1oa	0	0	0	1	0	1	0	0
2oa	0	0	0	0	0	0	0	0
3oa	0	0	0	0	0	1	0	0
4oa	0	0	0	0	0	0	0	0
5oa								
6oa								
7oa								
8oa								
9oa								
10oa								
11oa								
< []								
Second								
80								
20								
	q	q	q	q	q	q	q	
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNur	CotCog	CraOri
oa1	1oa	0	0	0	1	0	1	
oa2								
oa3	1485	0.0669872	80	60	32.8125	73.6378	19.7716	6.59053
oa4	1089	0.933012	60	30	26.48	17.6568	23.2249	59.1181
oa5	1224	0.982962	25	60	22.04	16.1992	23.0451	60.7555
oa6	1010	0.0669872	75	40	41.12	6.81018	14.4961	78.6936
oa7	1030	0.982962	55	70	26.04	25.1448	14.5551	60.3
oa8	1028	0.982962	65	80	15.76	70.0499	12.2746	17.6754
oa9	990	0.629409	20	20	33.12	22.7328	23.197	54.0701
oa10	950	0.25	55	50	27.4	21.7262	24.9544	53.3193
oa11	1350	0.0669872	90	90	7.68	64.2334	23.6437	12.1227
< []								

Graph Ordination
Cluster Dendrogram
Species-area Curves
NMS Scree Plot

Graph - GRAPHROW.GPH

80	0.84568	0.29763	0.52537
1oa	0.50000	0.51750	0.92237
2oa	0.50000	0.52119	0.79006
3oa	0.12500	0.30123	0.85272
4oa	0.37531	0.00000	0.71533
5oa	0.25510	0.05558	0.69894
6oa	0.30642	0.17942	0.92539
7oa	0.2091		0.95813
8oa	0.8821		0.76767
9oa	0.0532		0.92751
10oa	0.7232		0.61489
11oa	0.4147		0.61725
12oa	0.3374		0.59762
13oa	0.0148		0.61007
14oa	0.5466		0.52699

Bray-Curtis Ordination *****

Ordination of ornek in bitki space. 80 ornek

The following options were selected:

Distance measure = Sorenson (Bray & Curtis)
 Endpoint selection = Var.-Regression
 Projection geometry = Euclidean
 Calculation of residuals = Euclidean

Graph

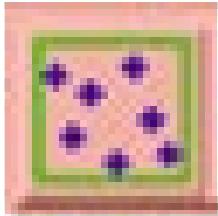


File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



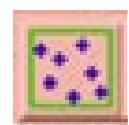
.200 Raw Min Max $\Sigma 1 \Sigma 2 r^2$

Simple scatterplot





.200 21 31 32 Raw % Min Max C $\Sigma 1 \Sigma 2 r^2$



21 31 32

Axis 2

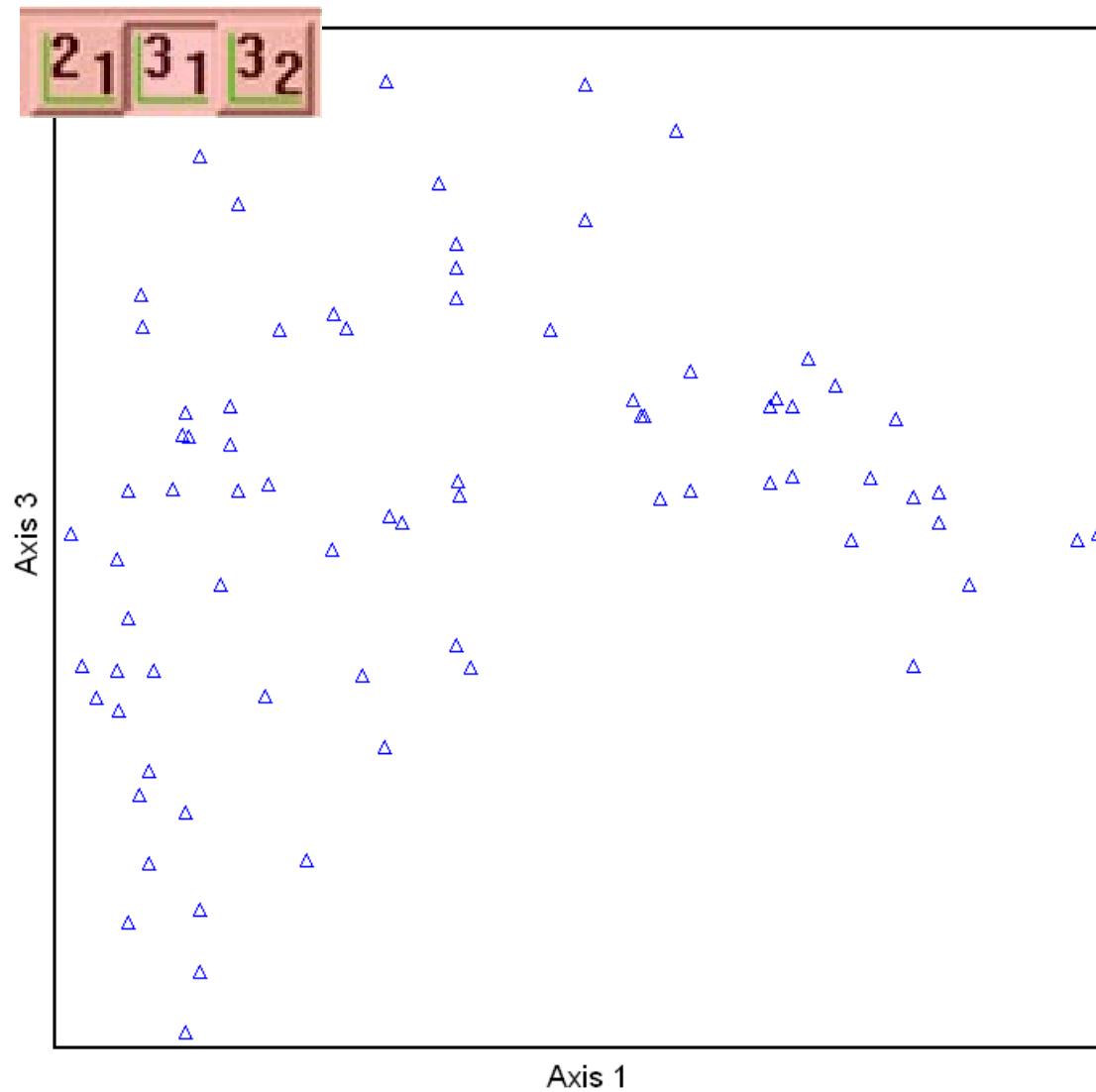
Axis 1





.200 21 31 32 Raw Min Max C $\Sigma 1 \Sigma 2 r^2$

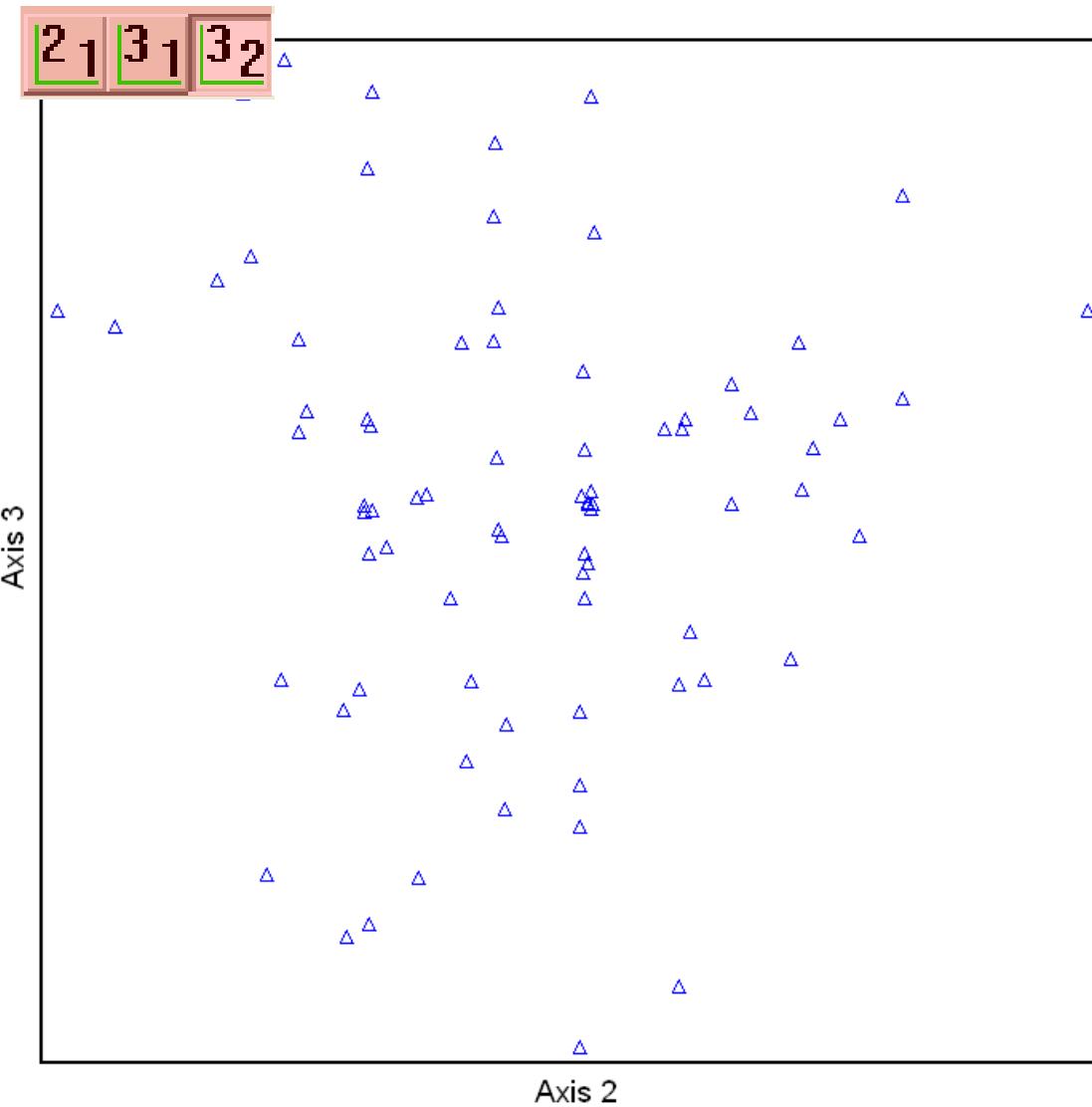
1 vs 3



File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

.200 2 1 3 1 3 2 Raw Min Max $\Sigma 1 \Sigma 2 r^2$

2 vs 3



Preferences



Format | Styles | Fonts

- Graph title
- Axis titles
- Tick marks
- Tick labels
- Label every other tick
- Overlay tick marks
- Hide toolbar

Background Color

- White
- Black
- Navy

- Print in black and white
- Save in black and white

Label Points

- ornek
- bitki

Plot Points

- ornek
- bitki

Groups

- Color code categories
- Symbol code categories
- Show legend
- Show legend frame

Legend Symbol / Color

Quantitative Overlays

- Show side scatterplots
- Show regression line
- Show envelope line

Flexibility = Standard deviation =

OK

Cancel

Defaults

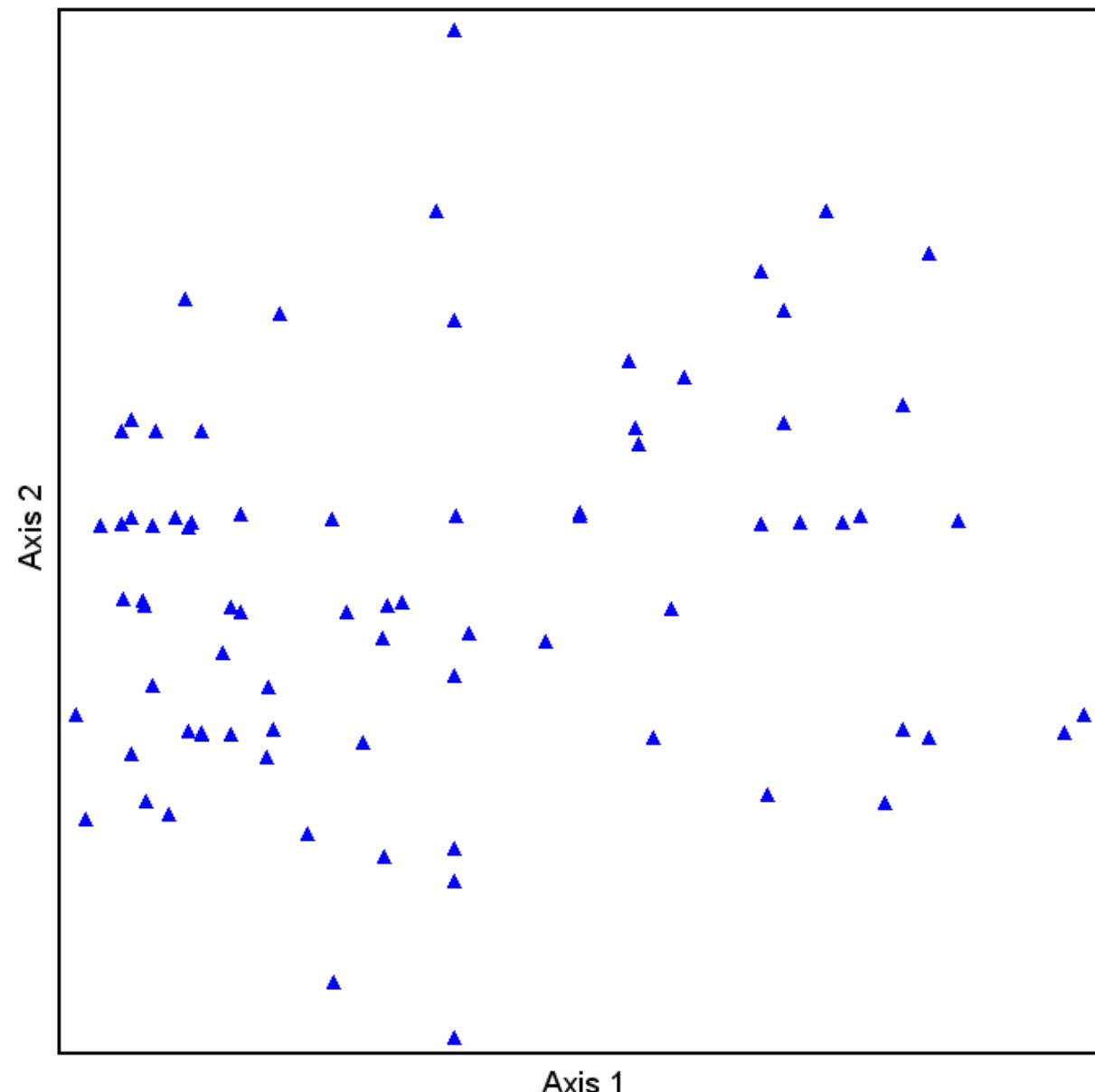
Help



Correlations With Main Matrix

Correlations With Second Matrix

Percent Of Variance In Distance Matrix

 Σ_1 Σ_2 r^2 

Graph

File Edit Graph Axes Scaling Rotate Groups

Statistics Options Help



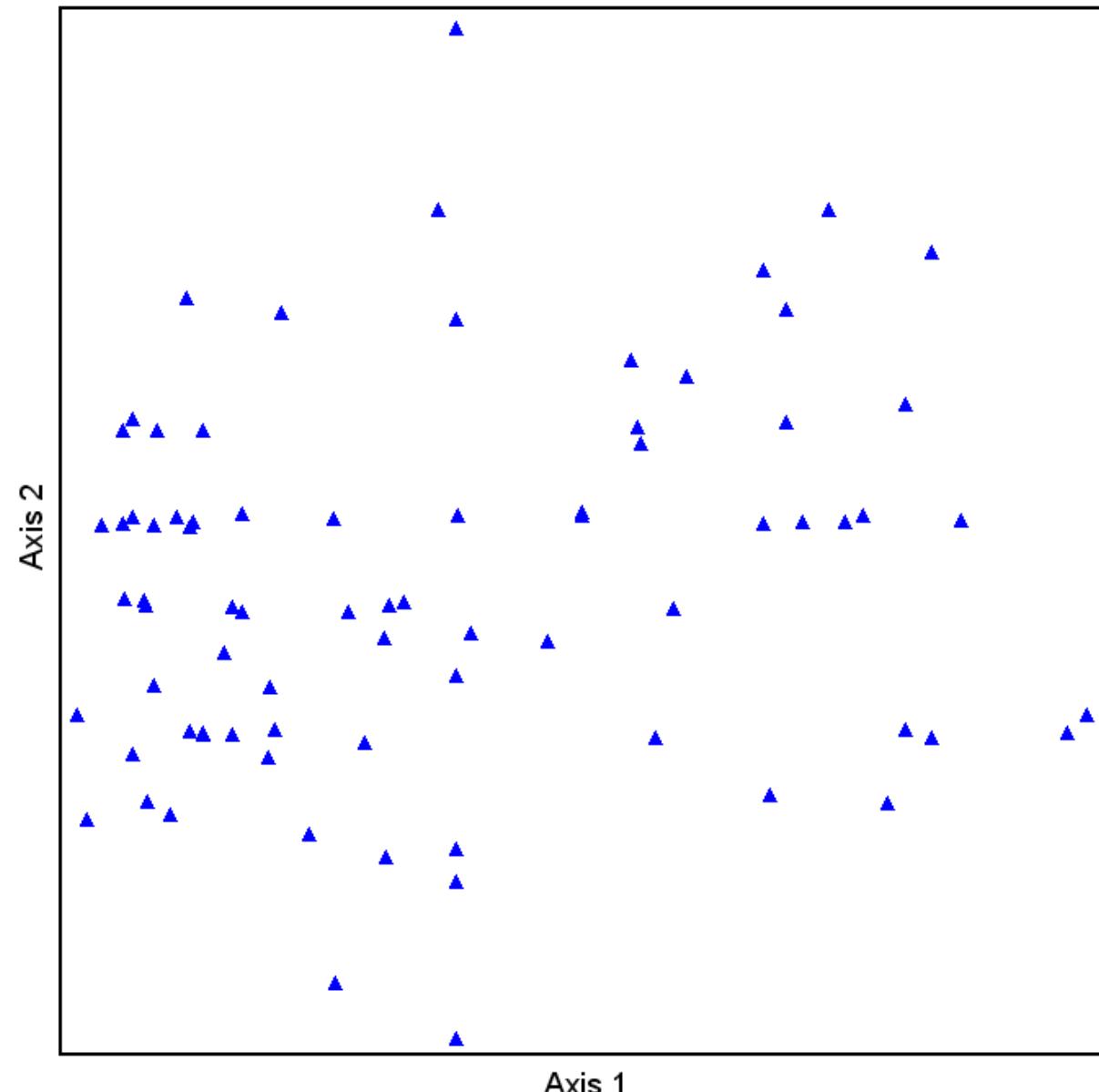
.200

Correlations With Main Matrix

Correlations With Second Matrix

Percent Of Variance In Distance Matrix

$\Sigma 1$ $\Sigma 2$ r^2



Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help


.200 21 31 32 Raw % Min Max A C Σ1 Σ2 r² Y

***** Output from Graph *****

PC-ORD Version 4.0

12.01.2014, 16:08

Pearson and Kendall Correlations with Ordination Axes N= 80

Axis:	1			2			3		
	r	r-sq	tau	r	r-sq	tau	r	r-sq	tau
yukslt	.782	.612	.590	.235	.055	.154	.545	.297	.347
radinx	-.060	.004	-.014	.058	.003	.037	.092	.008	.060
egim	.035	.001	.018	-.023	.001	.011	.272	.074	.233
yuztas	.544	.296	.354	.185	.034	.159	.438	.191	.301
topder	-.420	.177	-.245	-.121	.015	-.117	-.558	.312	-.266
kum	.271	.073	.124	.173	.030	.088	-.005	.000	-.043
toz	.259	.067	.214	.175	.031	.102	-.071	.005	-.009
kil	-.384	.148	-.216	-.249	.062	-.125	.031	.001	.015
pH	.186	.035	.128	.107	.011	.047	-.192	.037	-.094
kirec	-.183	.034	-.133	.027	.001	-.036	-.298	.089	-.132
orgmad	.305	.093	.122	.010	.000	.036	.118	.014	.045
yzyprz	.383	.147	.336	.340	.116	.254	.179	.032	.153
krctas	.617	.381	.510	.186	.035	.143	.413	.171	.339
konglo	-.334	.112	-.324	.105	.011	.087	-.426	.181	-.364
karsk	-.410	.168	-.302	-.284	.080	-.223	-.117	.014	-.084
disbky	.274	.075	.187	-.016	.000	-.035	.242	.059	.179
duzarz	-.114	.013	-.098	.145	.021	.127	-.176	.031	-.120
ondule	.002	.000	.013	-.039	.002	-.020	-.201	.040	-.167
icbuky	-.166	.028	-.102	-.121	.015	-.101	.215	.046	.168
yamkon	-.342	.117	-.245	-.137	.019	-.103	-.184	.034	-.138

Graph

File Edit Graph Axes Scaling Rotate Groups

Statistics Options Help



Main

2nd

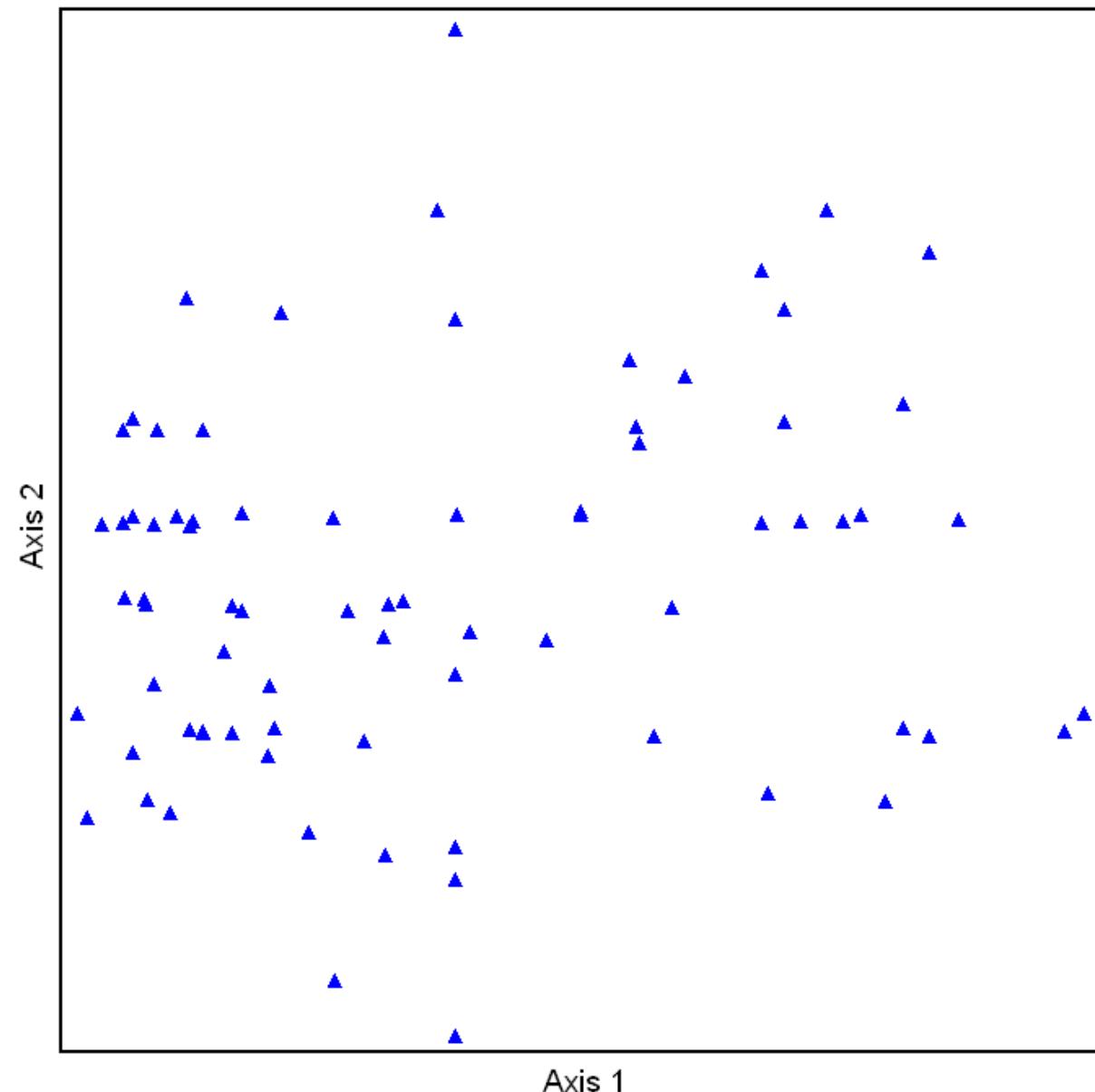


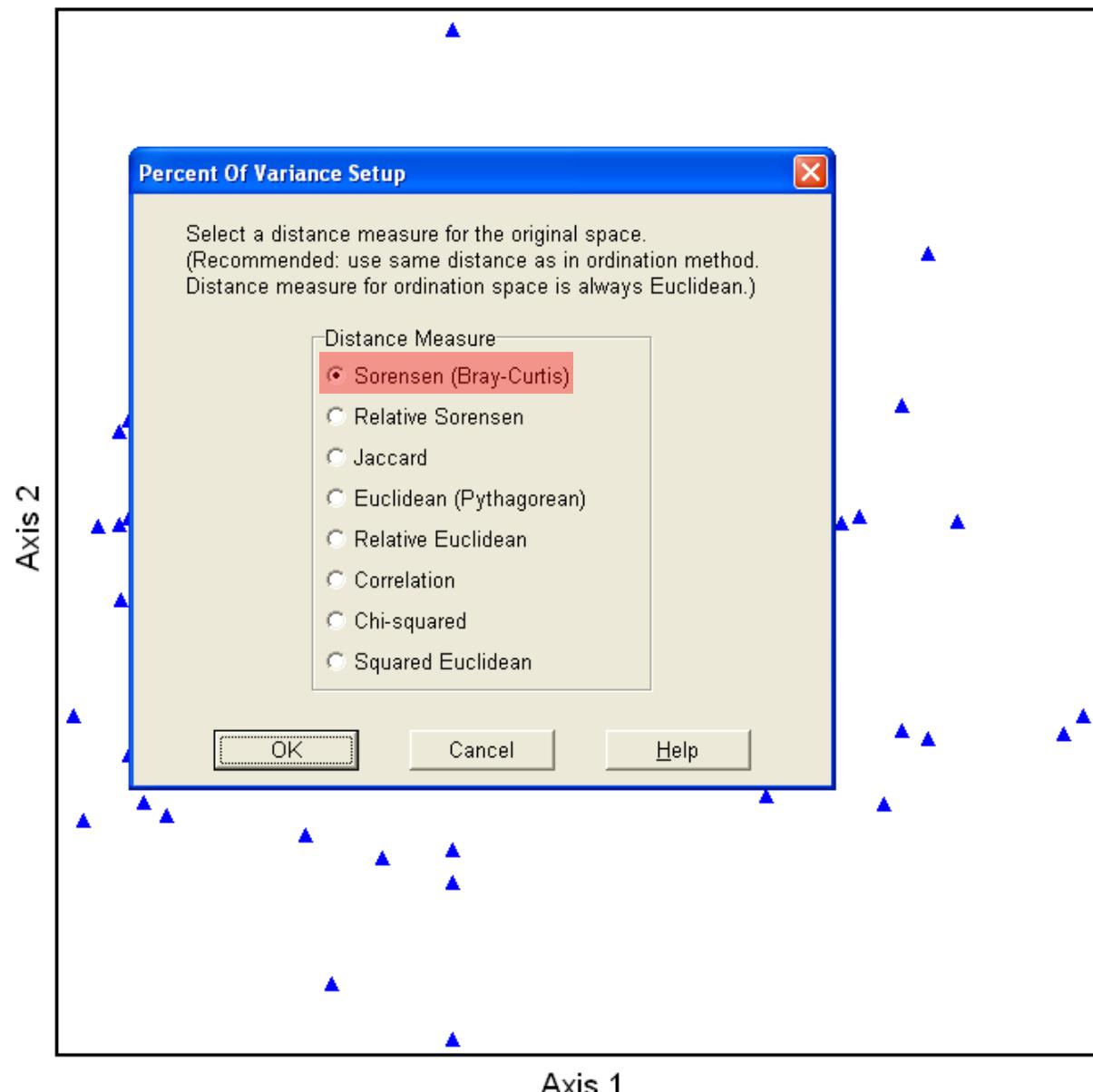
.200

2nd

Correlations With Main Matrix
Correlations With Second Matrix
Percent Of Variance In Distance Matrix

$\Sigma 1$ $\Sigma 2$ r^2





Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



***** Output from Graph *****

PC-ORD Version 4.0

12.01.2014, 16:11

Coefficients of determination for the correlations between ordination distances and distances in the original n-dimensional space:

R Squared		
Axis	Increment	Cumulative
1	.369	.369
2	.060	.429
3	.060	.489

Number of entities = 80

Number of entity pairs used in correlation = 3160

Distance measure for ORIGINAL distance: Sorenson (Bray-Curtis)

Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



PC-ORD Version

12.01.2014, 16

Pearson and Ke:

Axis:

r

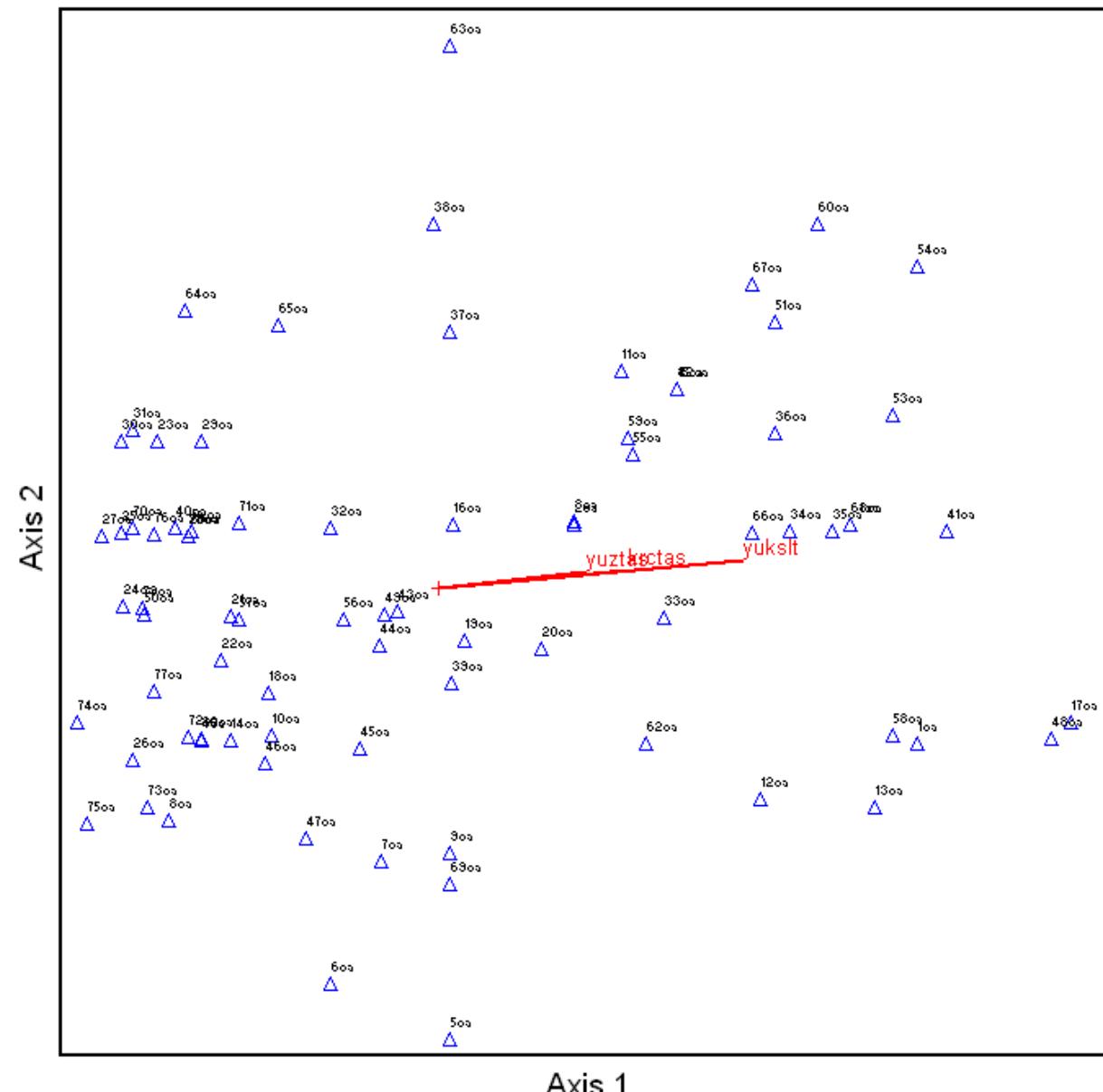
Correlations

		Eksen1	Eksen2	Eksen3	yukslt	radinx	egim	yuztas	topder
Eksen1	Pearson Correlation	1	,172	,220	,782**	-,060	,035	,544**	-,420**
	Sig. (2-tailed)		,126	,050	,000	,595	,758	,000	,000
	N	80	80	80	80	80	80	80	80
Eksen2	Pearson Correlation	,172	1	,048	,235*	,058	,023	,185	-,121
	Sig. (2-tailed)	,126		,671	,036	,012	,842	,100	,283
	N	80	80	80	80	80	80	80	80
Eksen3	Pearson Correlation	,220*	-,048	1	,545**	,092	,272*	,438**	-,558**
	Sig. (2-tailed)	,050	,671		,000	,417	,015	,000	,000
	N	80	80	80	80	80	80	80	80

yukslt	.782	.612	.590	.205	.055	.154	.545	.297	.347
radinx	-,060	,004	-,011	,058	,003	,037	,092	,008	,060
egim	,035	,001	,018	-,023	,001	,011	,272	,074	,233
yuztas	,544	,296	,354	,185	,034	,159	,438	,191	,301
topder	-,420	,177	-,245	-,121	,015	-,117	-,558	,312	-,266
kum	,271	,073	,124	,173	,030	,088	-,005	,000	-,043
toz	,259	,067	,214	,175	,031	,102	-,071	,005	-,009
kil	-,384	,148	-,216	-,249	,062	-,125	,031	,001	,015
pH	,186	,035	,128	,107	,011	,047	-,192	,037	-,094
kirec	-,183	,034	-,133	,027	,001	-,036	-,298	,089	-,132
orgmad	,305	,093	,122	,010	,000	,036	,118	,014	,045
zyyprz	,383	,147	,336	,340	,116	,254	,179	,032	,153
krctas	,617	,381	,510	,186	,035	,143	,413	,171	,339
konglo	-,334	,112	-,324	,105	,011	,087	-,426	,181	-,364
karsk	-,410	,168	-,302	-,284	,080	-,223	-,117	,014	-,084
disbky	,274	,075	,187	-,016	,000	-,035	,242	,059	,179
duzarz	-,114	,013	-,098	,145	,021	,127	-,176	,031	-,120
ondule	,002	,000	,013	-,039	,002	-,020	-,201	,040	-,167
icbuky	-,166	,028	-,102	-,121	,015	-,101	,215	,046	,168
yamkon	-,342	,117	-,245	-,137	,019	-,103	-,184	,034	-,138

Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

.200 21 31 32 Raw % Min Max C Σ1 Σ2 r² 

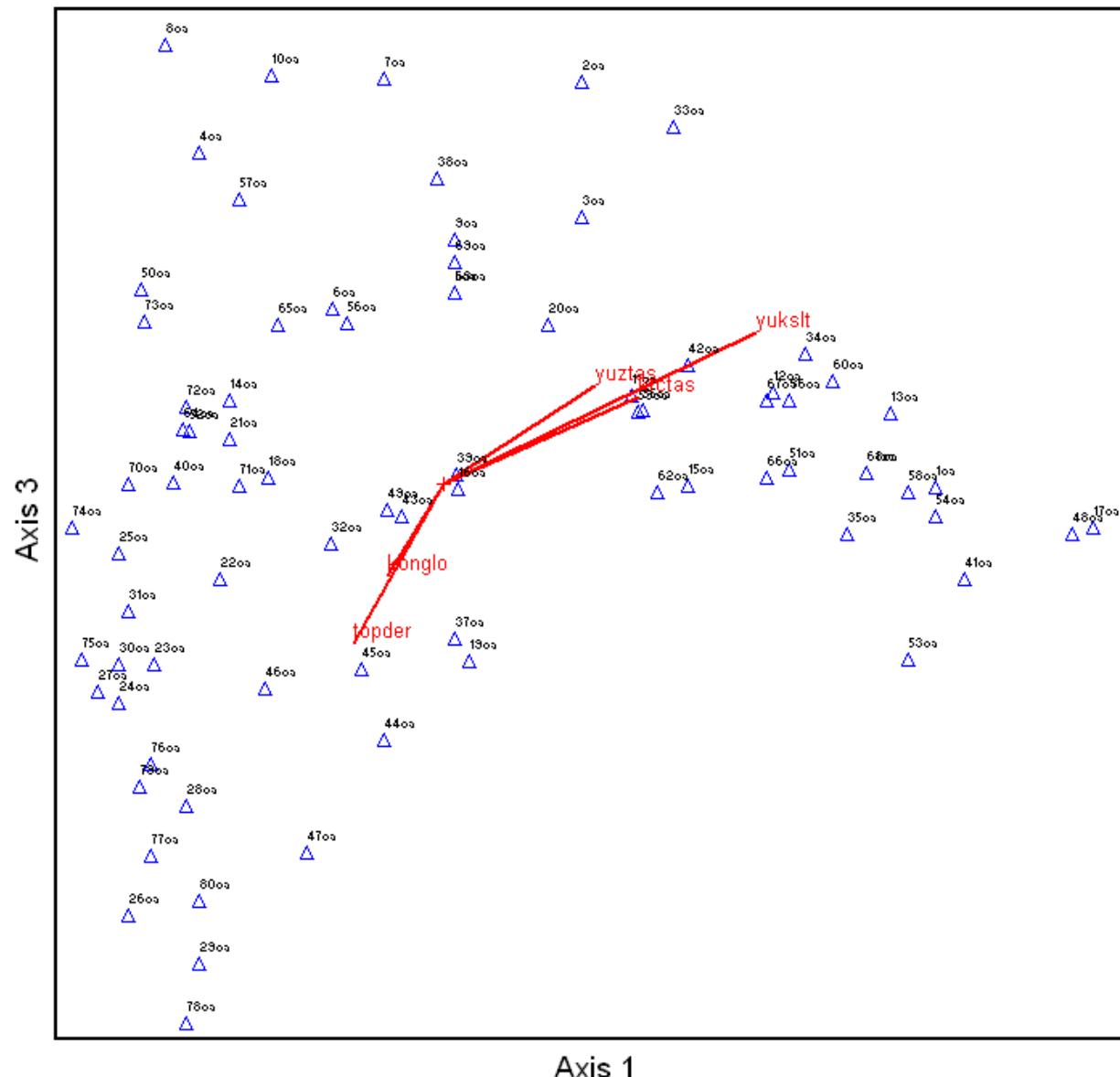
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



200 21 31 32 Raw % Min Max C $\Sigma 1 \Sigma 2 r^2$

1 vs 3

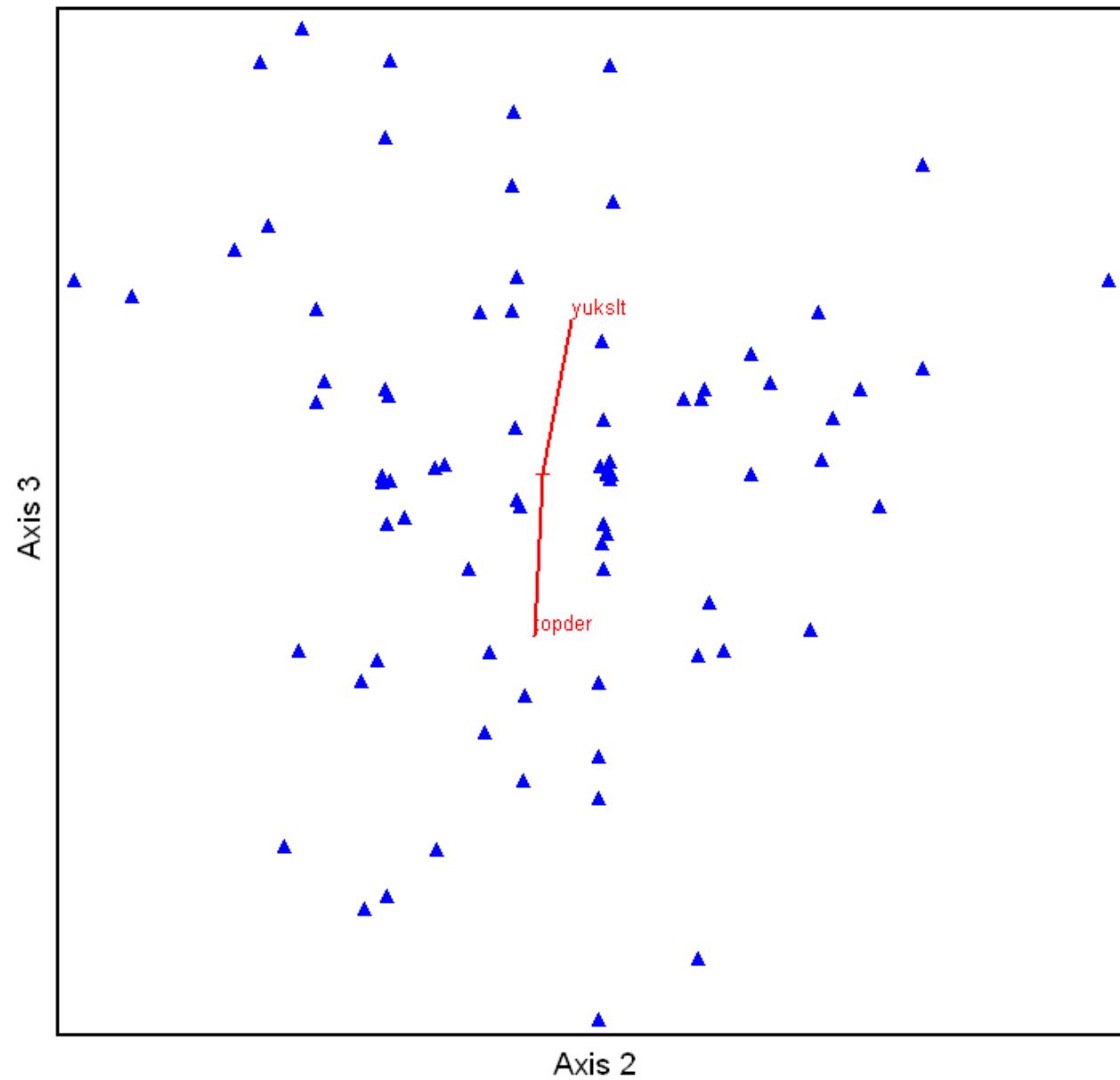


Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

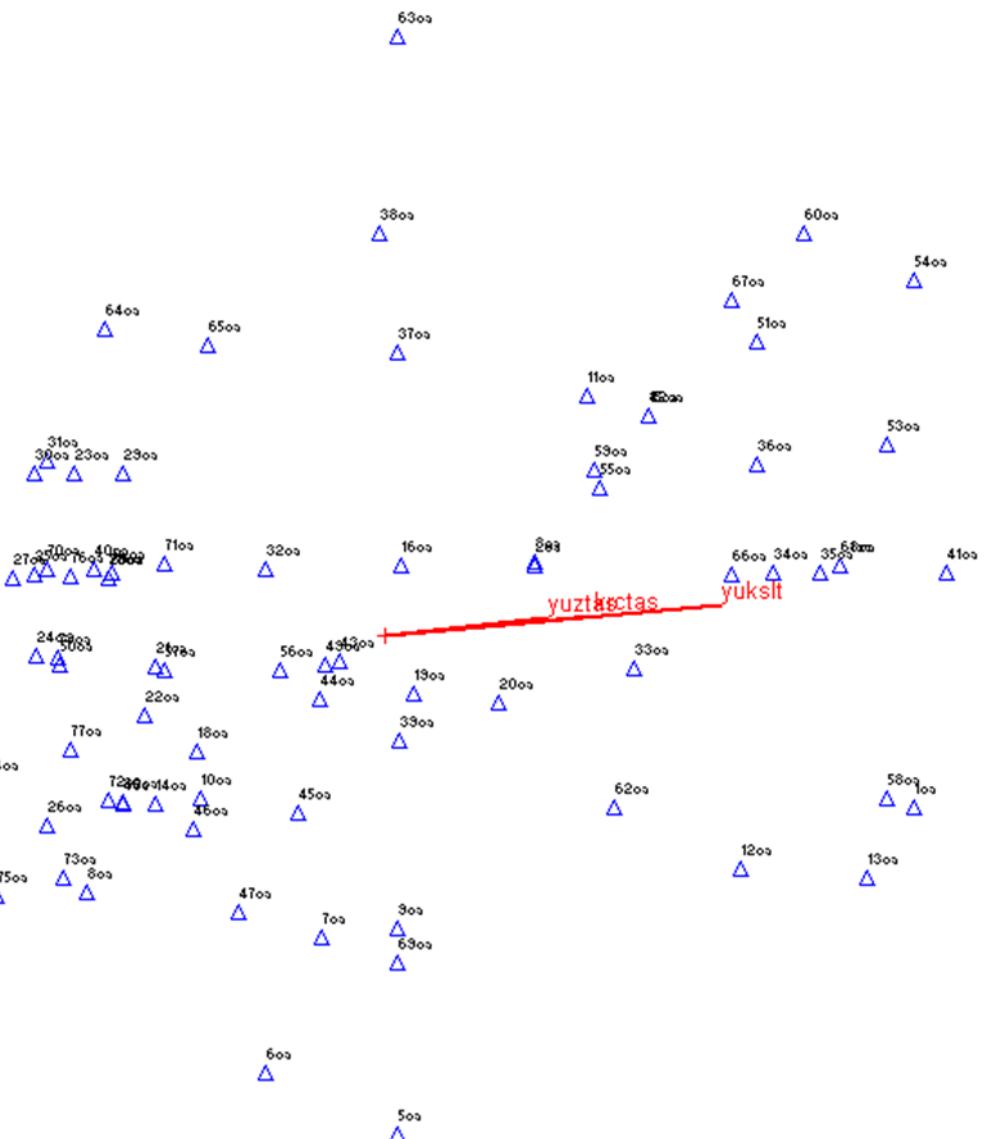


.200 21 31 32 Raw % Min Max G $\Sigma 1 \Sigma 2 r^2$



Axis 2

Axis 1



Axis:

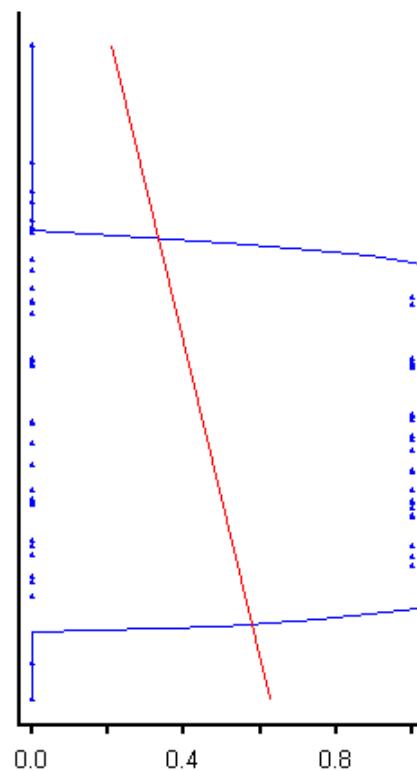
r

		r
ArbAnd	.536	
BerCra	.638	
CedLib	.340	
CelGlb	.146	
CisSal	-.523	
CotNum	.455	
CotCog	-.325	
CraOri	.025	
CraMon	-.274	
DapOle	.471	
DapSer	-.235	
FonPhl	-.477	
FrxOrn	-.016	
JasFru	-.167	
JunCom	.290	
JunExc	.589	
JunFoe	.365	
JunOxy	-.101	
MryCom	-.295	
NerOle	-.270	
OleOle	-.251	
PalSpi	-.198	
PhlArm	.282	
PhlGra	-.401	
PhyLat	-.560	
PinBru	-.724	
PinNig	.112	
PisTer	-.589	
PlaOri	-.289	
PruDiv	.294	
QueCer	-.132	
QueCoc	-.472	
QueIix	-.277	
QueInf	.061	
QueIth	-.225	
RhaOle	.173	
RhaRho	.029	
RosCan	.368	
SorUmb	.256	
SprJun	-.147	

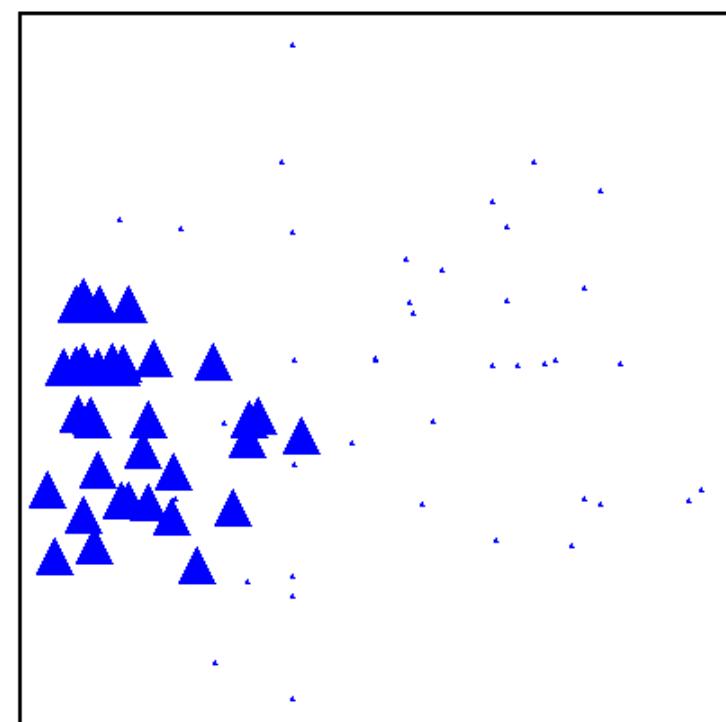
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

PinBru .200 21 31 32 Raw Min Max C $\Sigma 1 \Sigma 2 r^2$

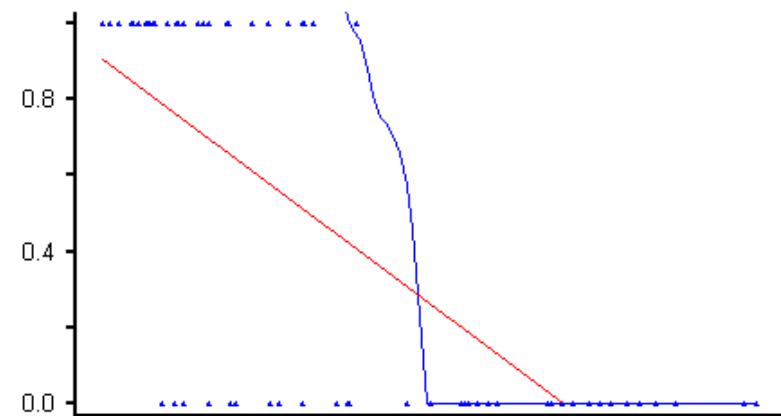


Axis 2



Axis 1

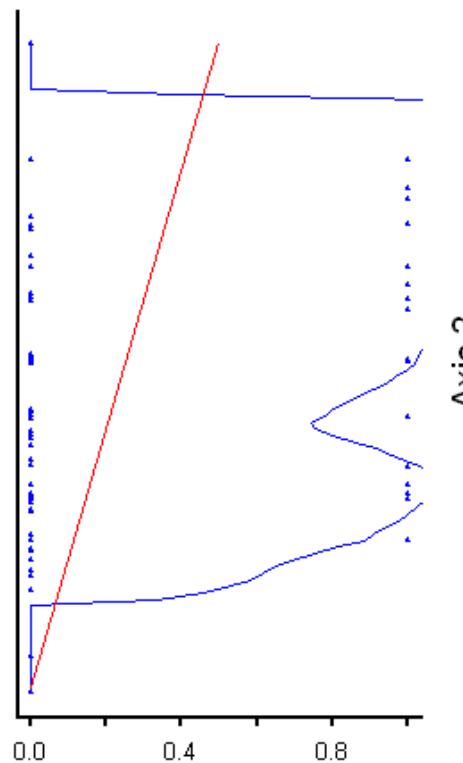
PinBru
Axis 1
 $r = -.724$ $\tau = -.621$
Axis 2
 $r = -.155$ $\tau = -.136$



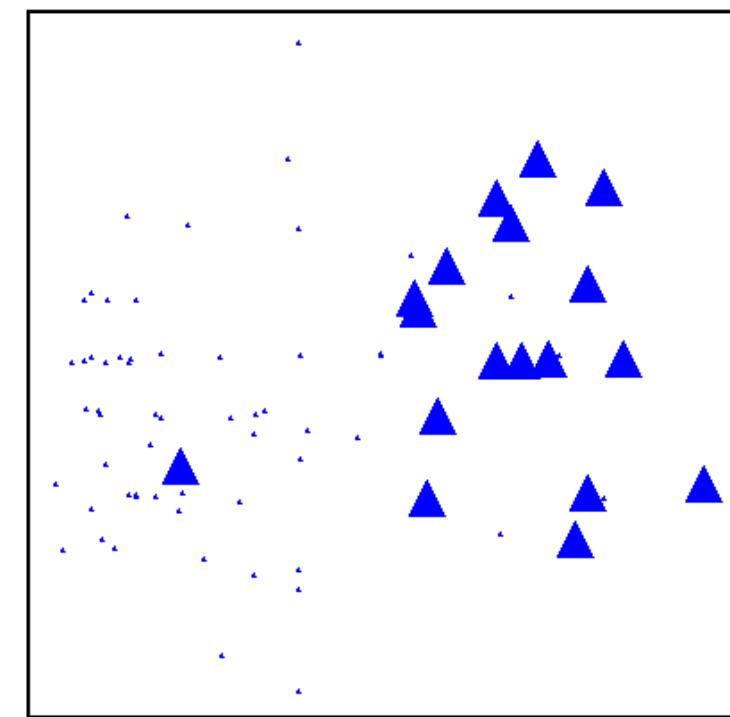
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help
Main 2nd BerCra .200 21 31 32 Raw Min Max C Σ1Σ2 r2

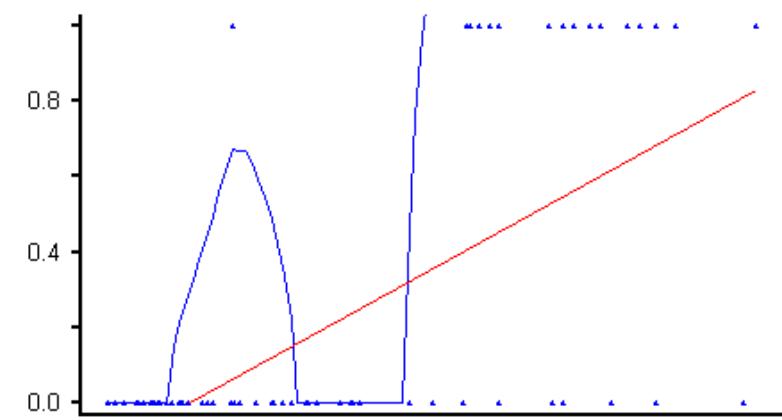


Axis 2



Axis 1

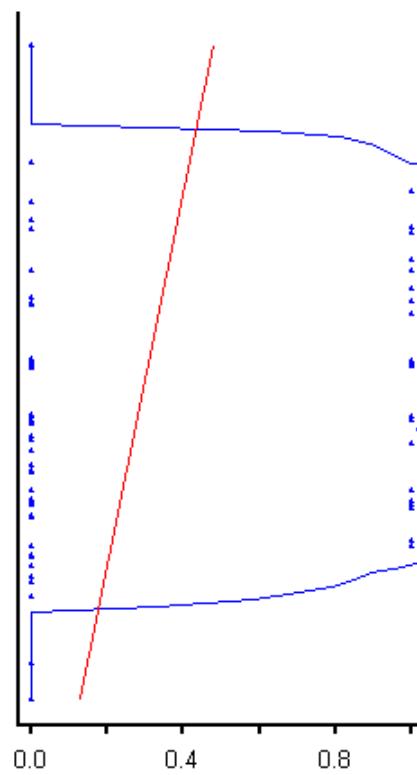
BerCra
Axis 1
 $r = .638$ tau = .487
Axis 2
 $r = .222$ tau = .177



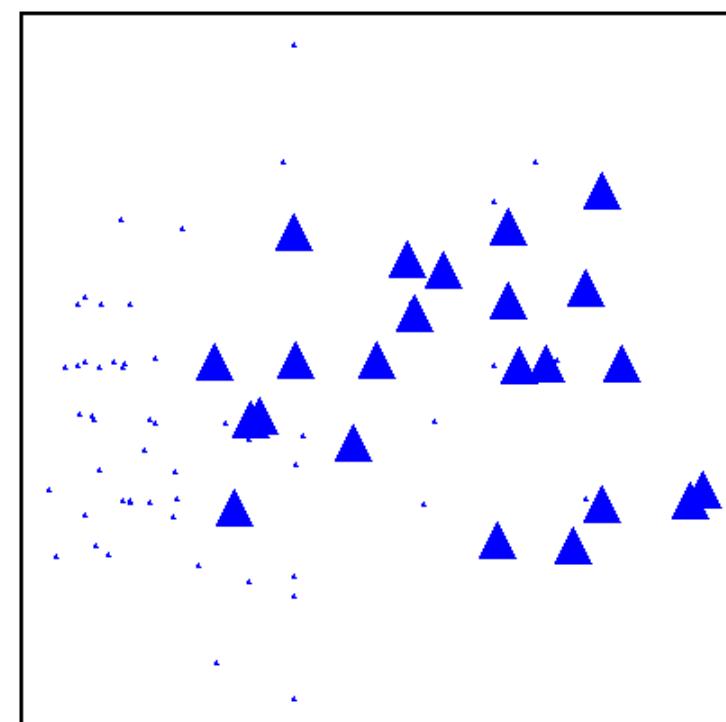
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

JunExc .200 21 31 32 Raw Min Max C Σ1 Σ2 r²

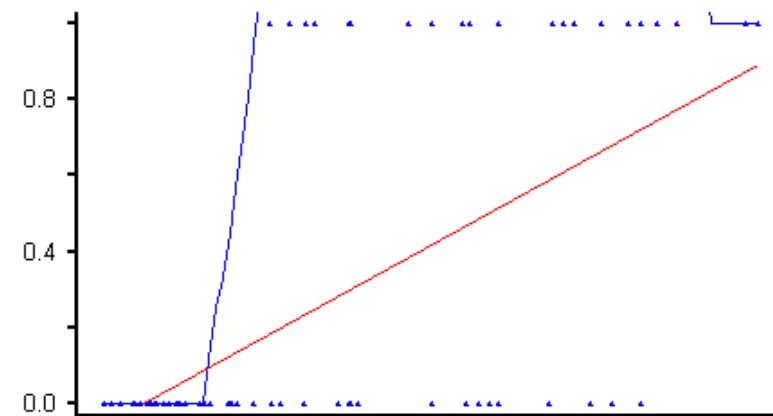


Axis 2

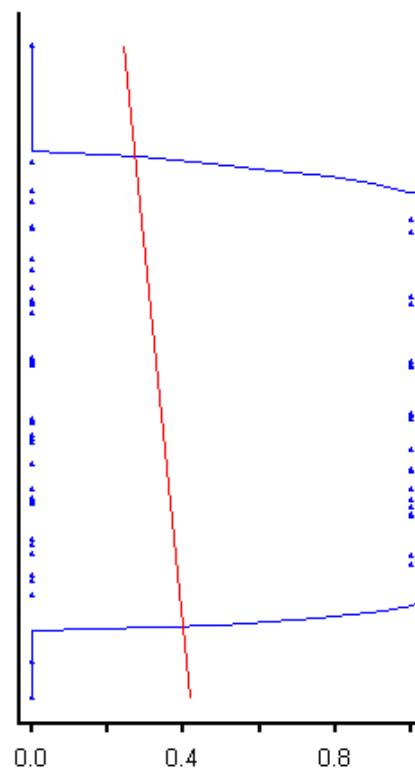


Axis 1

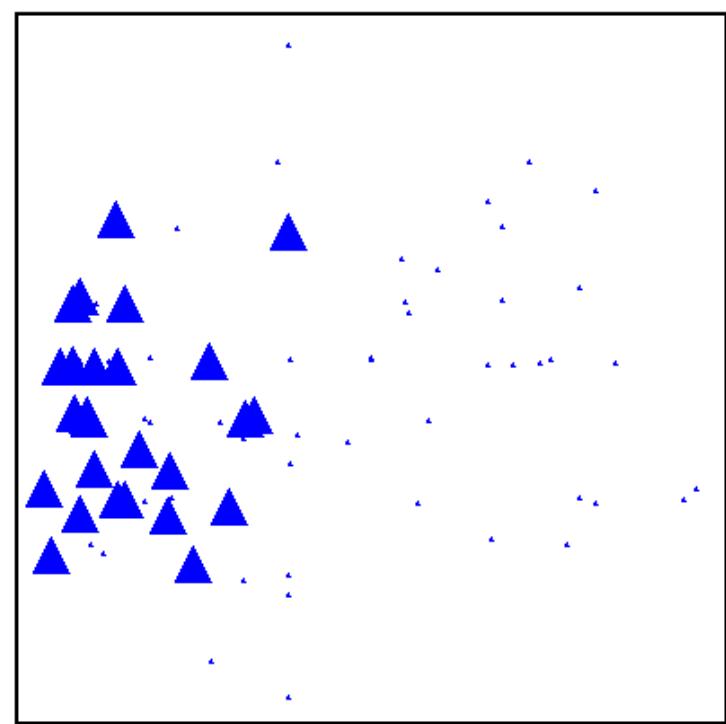
JunExc
Axis 1
 $r = .589$ $\tau = .474$
Axis 2
 $r = .144$ $\tau = .137$



Main PisTer .200 21 31 32

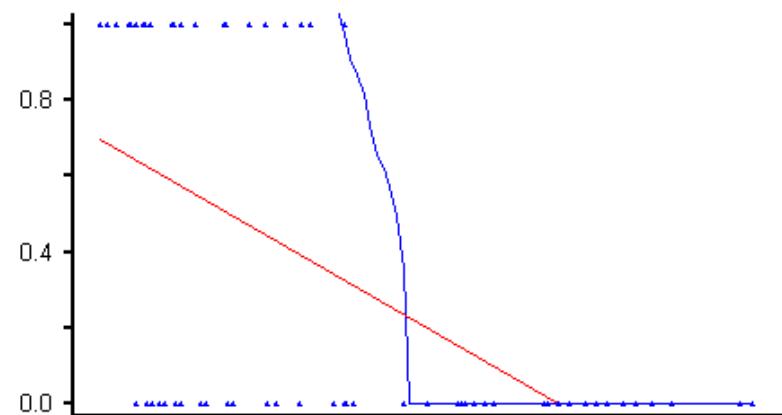


Axis 2



Axis 1

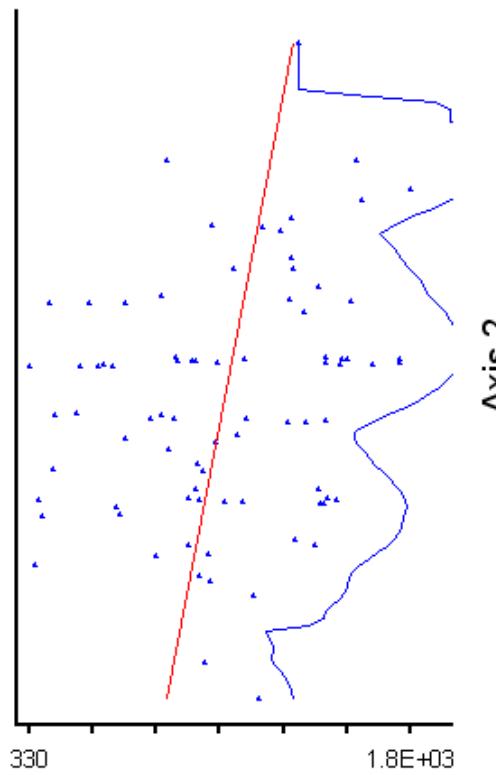
PisTer
Axis 1
 $r = -.589$ $\tau = -.521$
Axis 2
 $r = -.070$ $\tau = -.081$



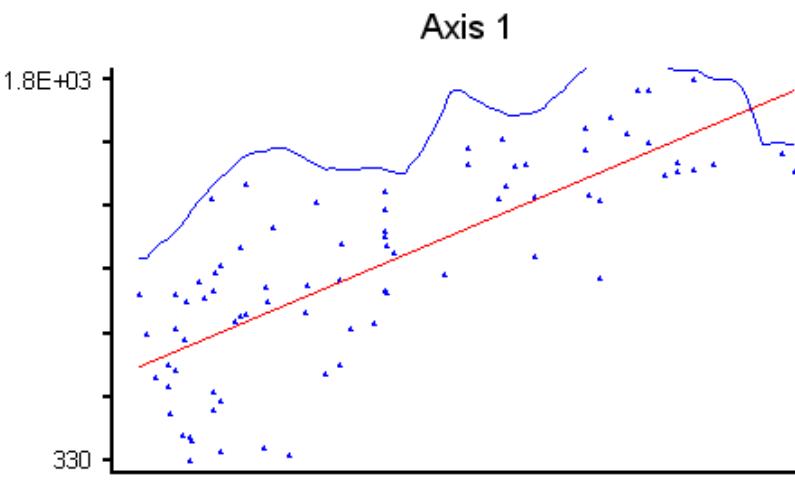
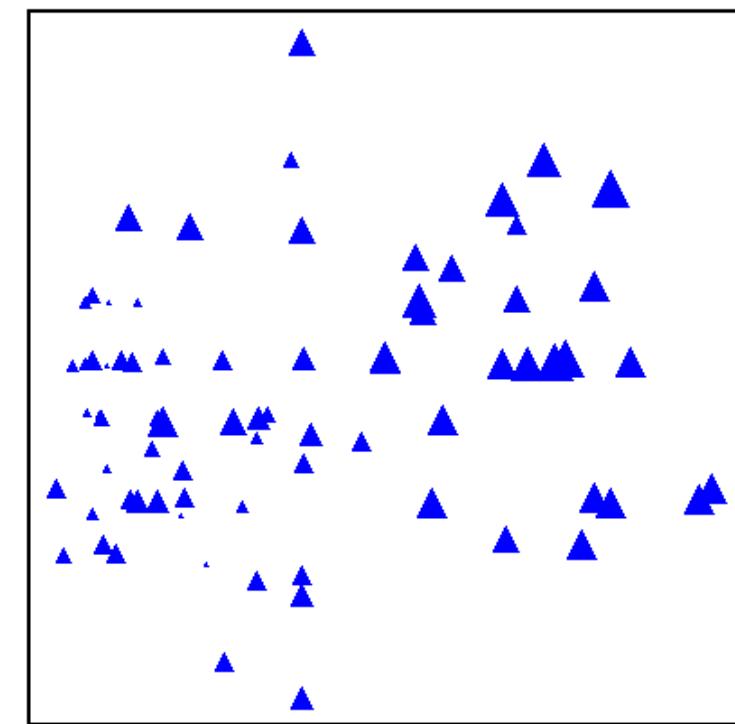
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help
Main 2nd .200 21 31 32 Raw Min Max C Σ1 Σ2 r² ✓



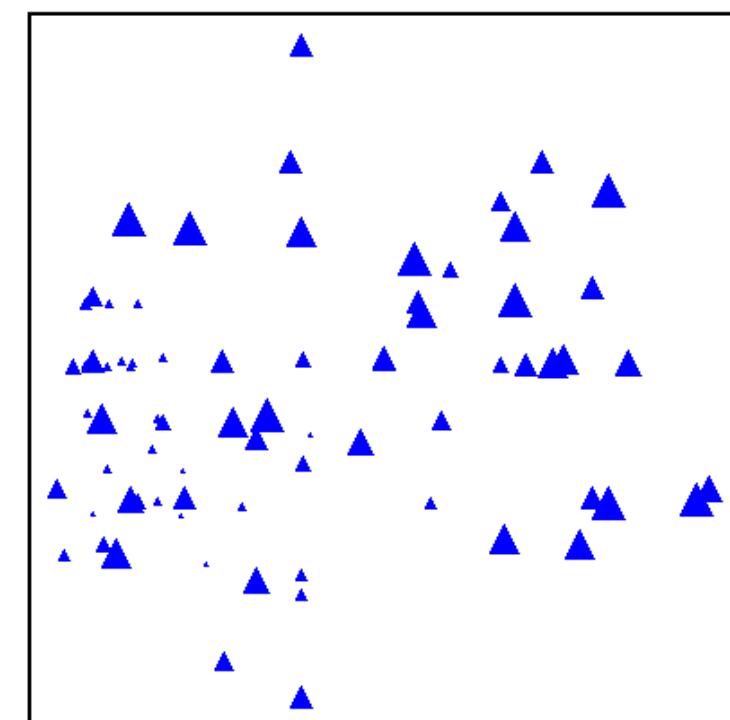
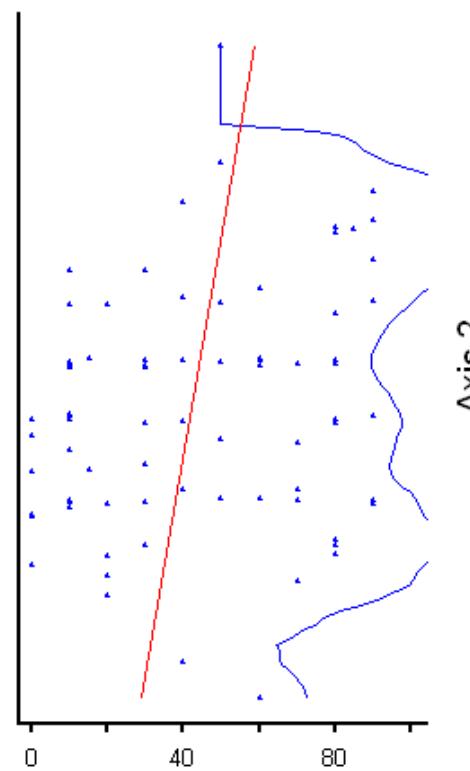
yukslt
Axis 1
 $r = .782$ tau = .590
Axis 2
 $r = .235$ tau = .154



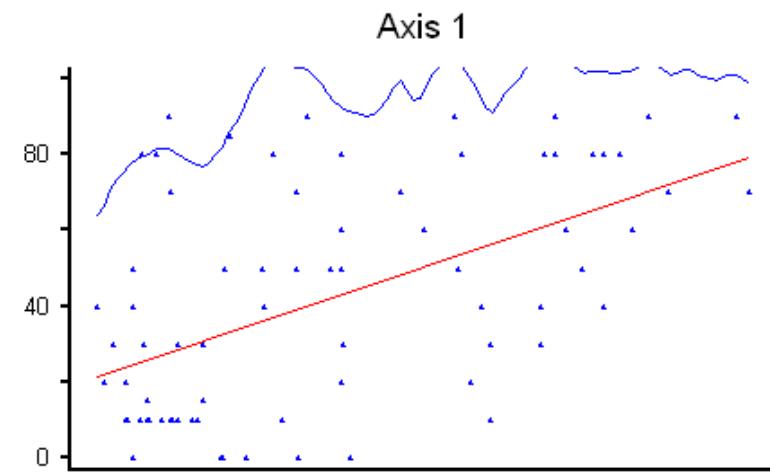
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

>Main 2nd yuztas .200 21 31 32 Raw % Min Max C $\Sigma 1$ $\Sigma 2$ r^2



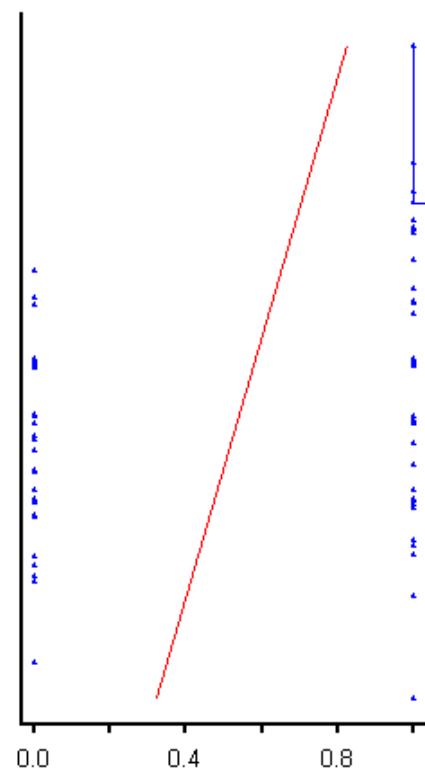
yuztas
Axis 1
 $r = .544$ $\tau = .354$
Axis 2
 $r = .185$ $\tau = .159$



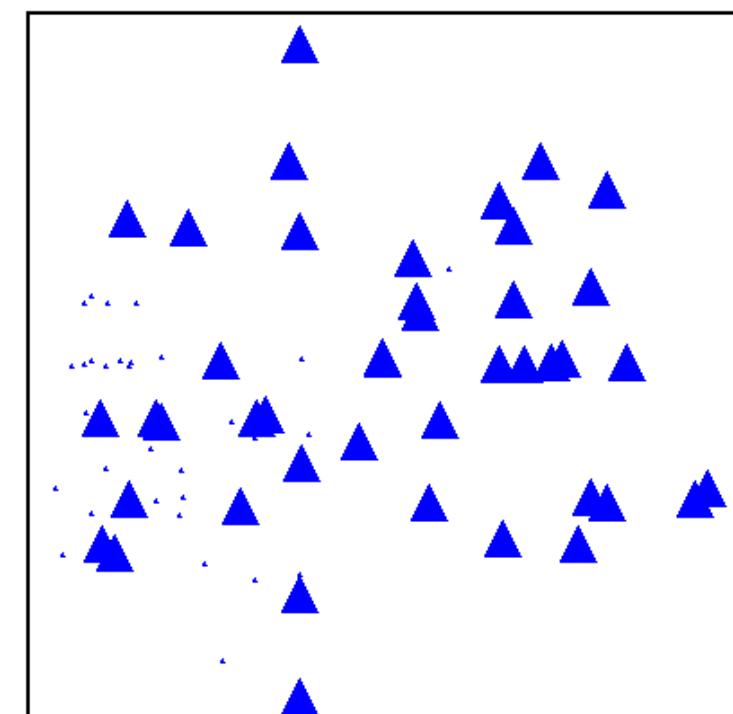
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

200 21 31 32 Raw Min Max C $\Sigma 1 \Sigma 2 r^2$

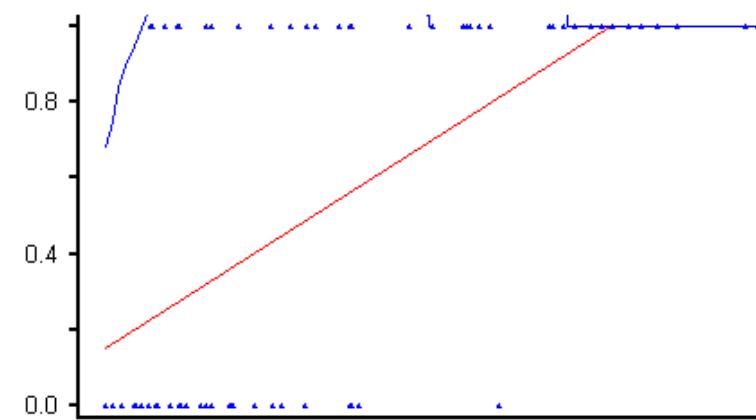


Axis 2



Axis 1

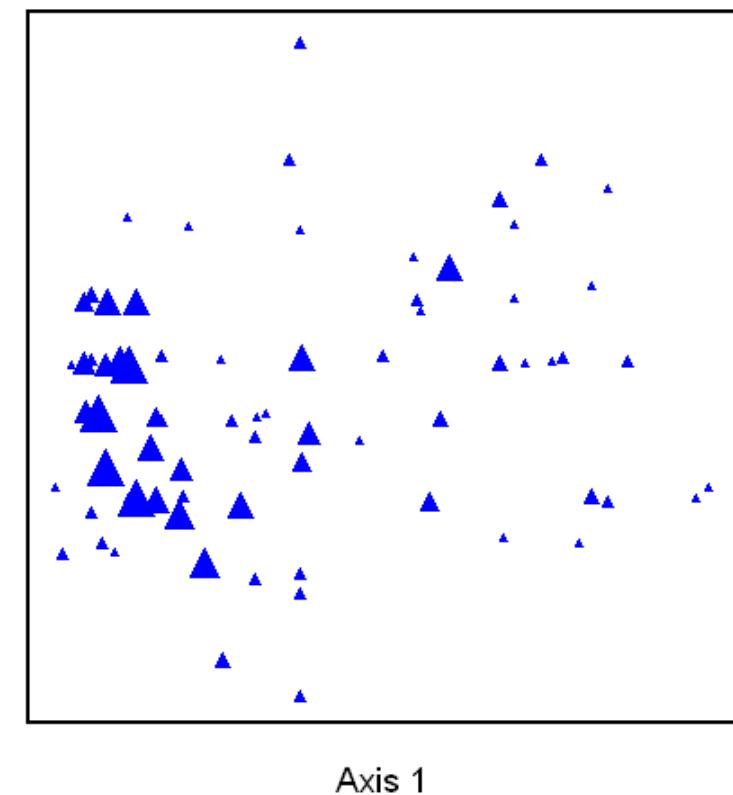
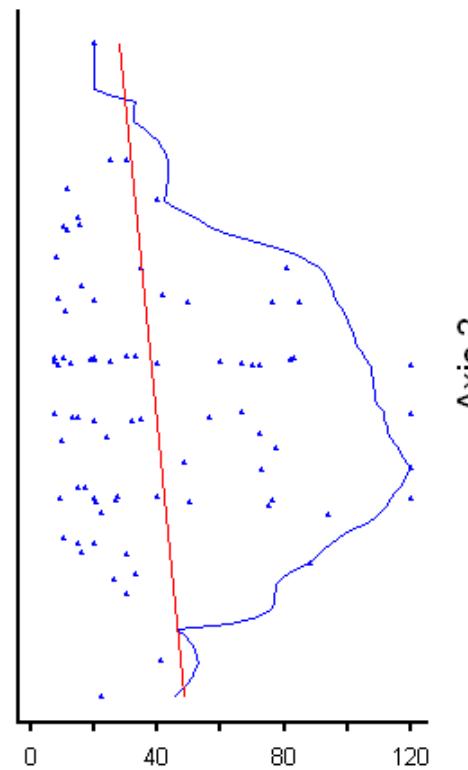
krctas
Axis 1
 $r = .617$ $\tau = .510$
Axis 2
 $r = .186$ $\tau = .143$



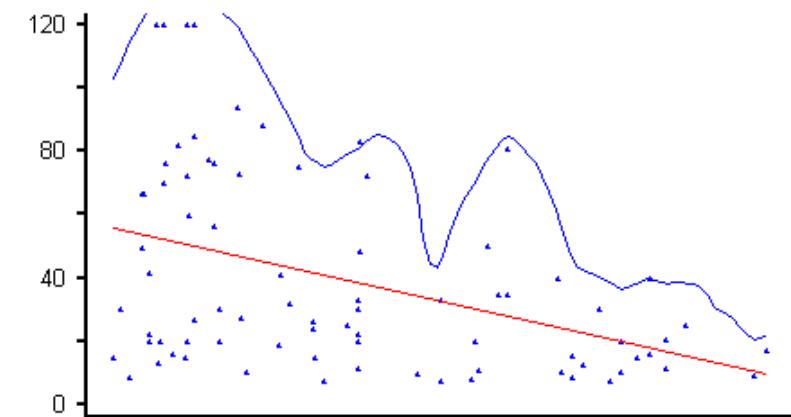
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

1st 2nd topder .200 Z1 Z1 Z2 Raw % Min Max C $\Sigma 1 \Sigma 2 r^2$



topder
Axis 1
 $r = -.420$ $\tau = -.245$
Axis 2
 $r = -.121$ $\tau = -.117$

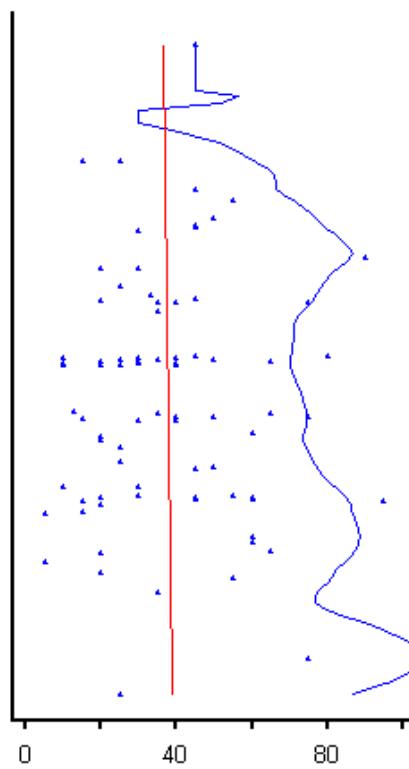


Graph

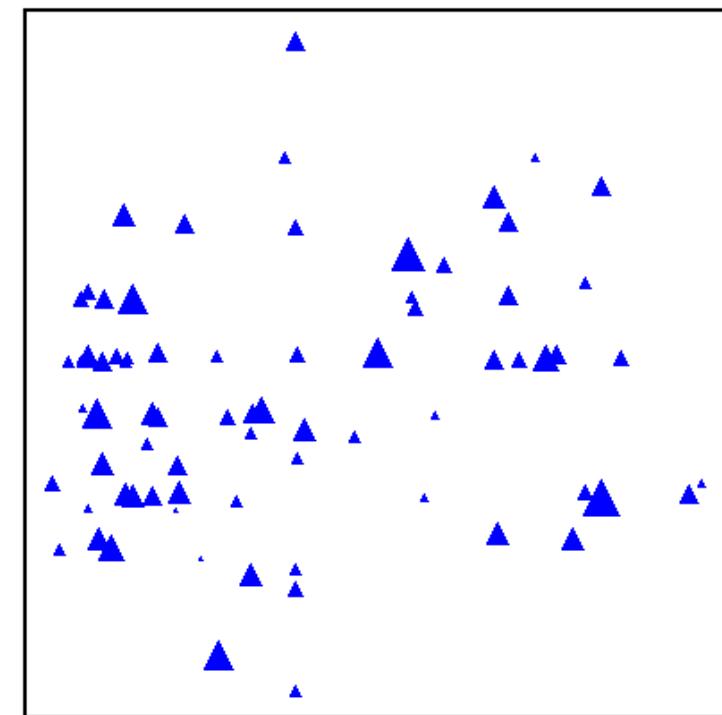
File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

egim

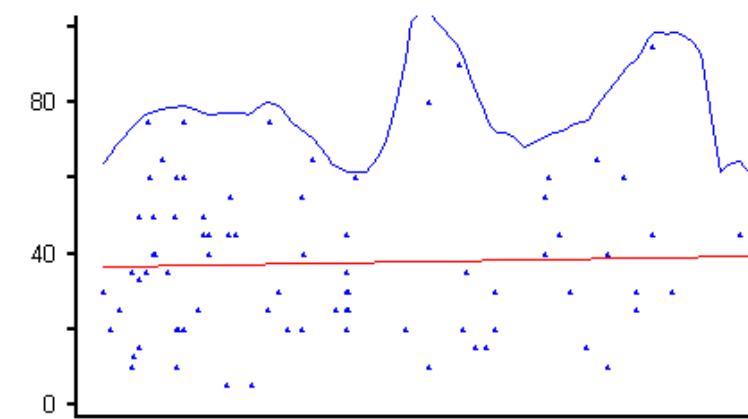
200 21 31 32 Raw Min Max C $\Sigma 1$ $\Sigma 2$ r^2



Axis 2



egim
Axis 1
 $r = .035$ $\tau = .018$
Axis 2
 $r = -.023$ $\tau = .011$



Main - VVM__PCORD5_Q.WK1

80	ornek						
42	bitki						
	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog
1oa	0	0	0	1	0	1	0
2oa	0	0	0	0	0	0	0
3oa	0	0	0	0	0	1	0
4oa	0	0	0	0	0	0	0
5oa	0	0	0	0	0	0	0
6oa	0	0	0	0	0	0	0
7oa	0	0	0	0	0	0	0
8oa	0	0	0	0	0	0	0
9oa	0	0	0	0	0	0	0
10oa	0	0	0	0	0	0	0
11oa	0	0	1	0	0	1	0
12oa	0	0	0	0	0	1	0
13oa	0	1	0	0	0	1	0

Graph - GRAPHROW.GPH

80			
1oa	0.84568	0.29763	0.52537
2oa	0.50000	0.51750	0.92237
3oa	0.50000	0.52119	0.79006
4oa	0.12500	0.30123	0.85272
5oa	0.37531	0.00000	0.71533
6oa	0.25510	0.05558	0.69894
7oa	0.30642	0.17942	0.92539
8oa	0.09184	0.22091	0.95813
9oa	0.37463	0.18821	0.76767
10oa	0.19531	0.30532	0.92751
11oa	0.54784	0.67232	0.61489
12oa	0.68679	0.24147	0.61725
13oa	0.80281	0.23374	0.59762
14oa	0.15432	0.30148	0.61007
15oa	0.60289	0.65466	0.52699
16oa	0.37753	0.51742	0.52325
17oa	1.00000	0.31985	0.48506
18oa	0.10181	0.21005	0.50000

Open Second Matrix

Konum:

- cluster_jw_dort.wk1
- cluster_jw_uc.wk1
- twinspan_1_indikatör_3_ayrim.wk1
- twinspan_3_indikatör_3_ayrim.wk1
- twinspan_5_indikatör_3_AYRIM.wk1

Dosya adı: Dosya türü:

Result - RESULT.TXT

***** Output from Graph *****
 PC-ORD Version 4.0
 12.01.2014, 16:11

Coefficients of determination for the correlations between ordination distances and distances in the original n-dimensional space:

R Squared

Axis	Increment	Cumulative
1	.369	.369
2	.060	.429
3	.060	.489

Number of entities = 80

Number of entity pairs used in correlation = 3160

Distance measure for ORIGINAL distance: Sorenson (Bray-Curtis)

Main - VVM_PCORD5_Q.WK1

80	ornek						
42	bitki						
	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCoc
1oa	0	0	0	1	0	1	0
2oa	0	0	0	0	0	0	0
3oa	0	0	0	0	0	1	0
4oa	0	0	0	0	0	0	0
5oa	0	0	0	0	0	0	0
6oa	0	0	0	0	0	0	0
7oa	0	0	0	0	0	0	0
8oa	0	0	0	0	0	0	0
9oa	0	0	0	0	0	0	0
10oa	0	0	0	0	0	0	0
11oa	0	0	1	0	0	1	0
12oa	0	0	0	0	0	1	0
13oa	n	1	n	n	n	1	n

Graph
Ordination
Cluster Dendrogram
Species-area Curves
NMS Scree Plot

Graph - GRAPHROW.GPH

80			
1oa	0.84568	0.29763	0.52537
2oa	0.50000	0.51750	0.92237
3oa	0.50000	0.52119	0.79006
4oa	0.12500	0.30123	0.85272
5oa	0.37531	0.00000	0.71533
6oa	0.25510	0.05558	0.69894
7oa	0.30642	0.17942	0.92539
8oa	0.09184	0.22091	0.95813
9oa	0.37463	0.18821	0.76767
10oa	0.19531	0.30532	0.92751
11oa	0.54784	0.67232	0.61489
12oa	0.68679	0.24147	0.61725
13oa	0.80281	0.23374	0.59762
14oa	0.15432	0.30148	0.61007
15oa	0.60289	0.65466	0.52699
16oa	0.37753	0.51742	0.52325
17oa	1.00000	0.31985	0.48506
18oa	0.10181	0.21025	0.50076

Second - CLUSTER_JW_DORT.WK1

80	ornek
1	sinif
	c
	Cluster
oa1	1
oa2	2
oa3	1
oa4	3
oa5	3
oa6	3
oa7	3
oa8	3
oa9	3
oa10	3
oa11	2
oa12	1
oa13	1
oa14	3

Result - RESULT.TXT

***** Output from Graph *****
PC-ORD Version 4.0
12.01.2014, 16:11

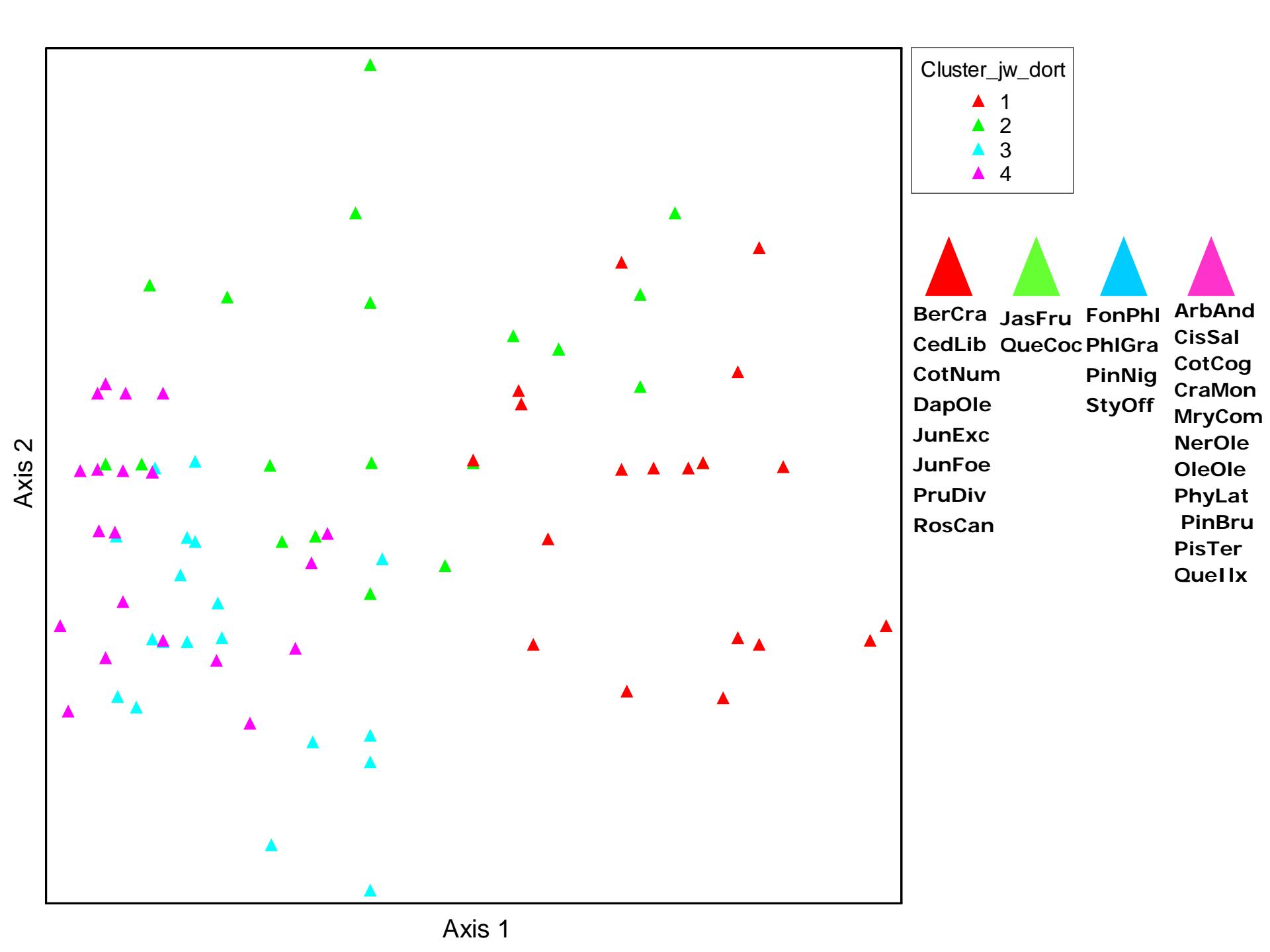
Coefficients of determination for the correlations between ordination distances and distances in the original n-dimensional space:

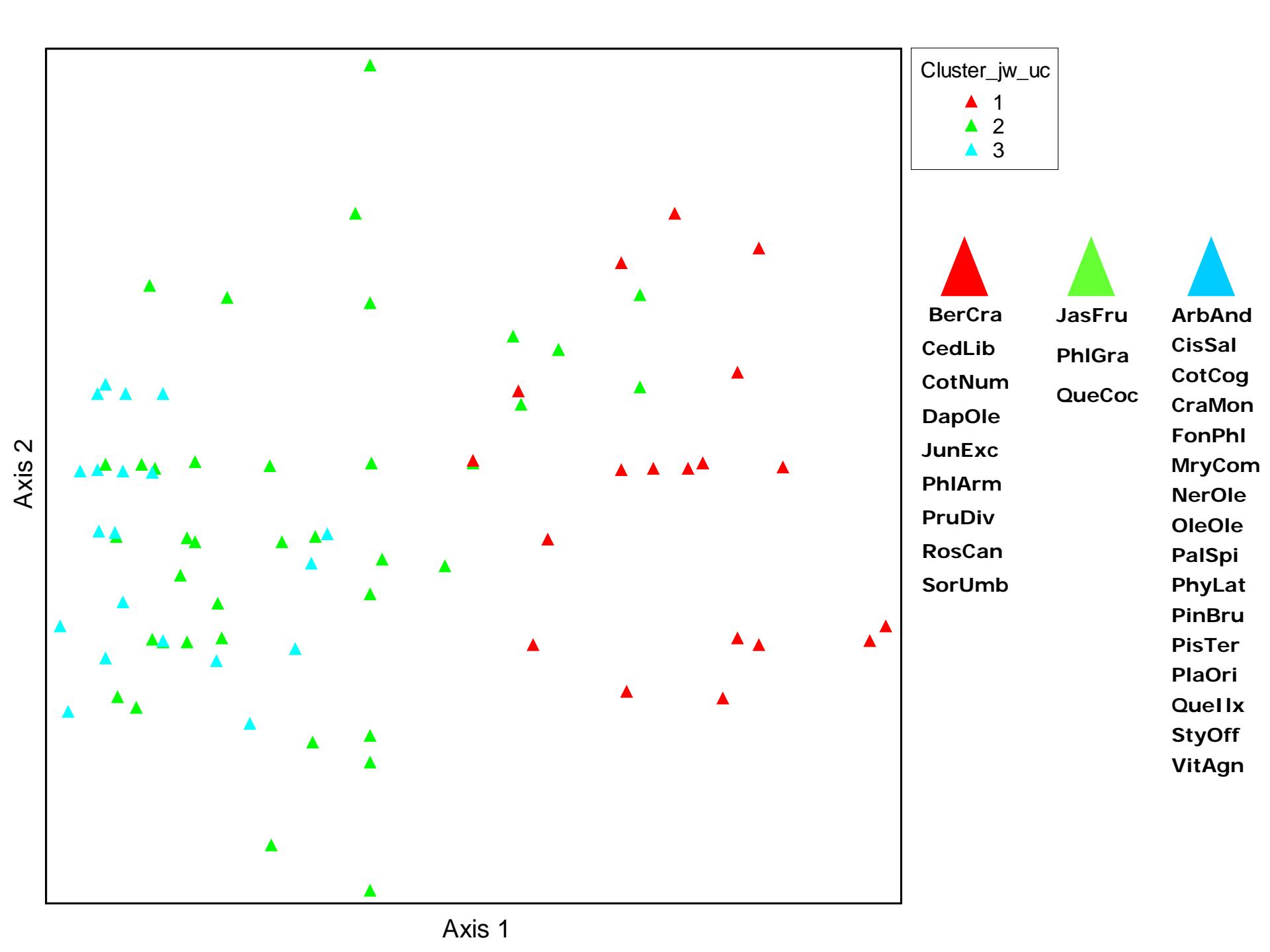
	R Squared	
Axis	Increment	Cumulative
1	.369	.369
2	.060	.429
3	.060	.489

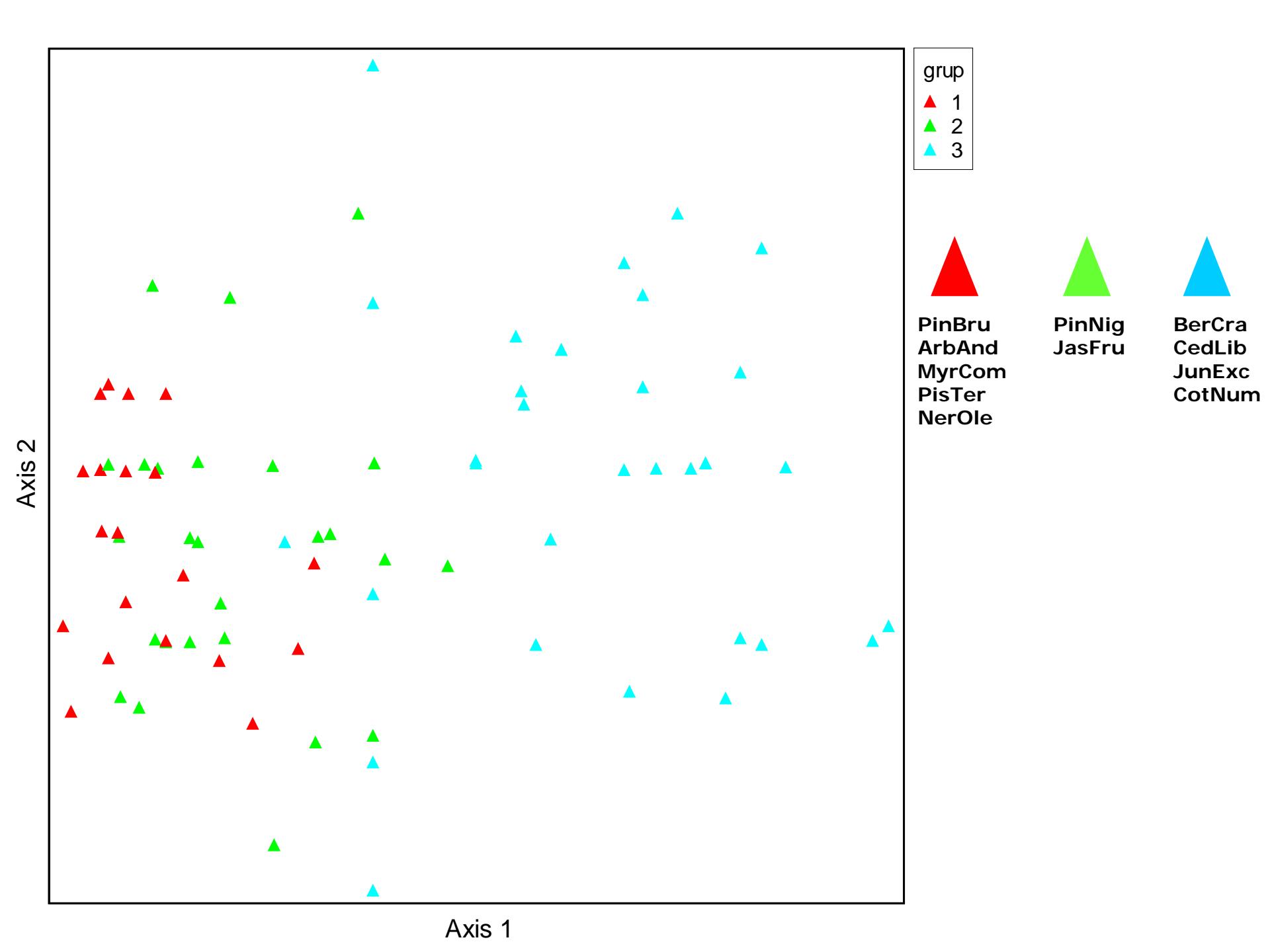
Number of entities = 80

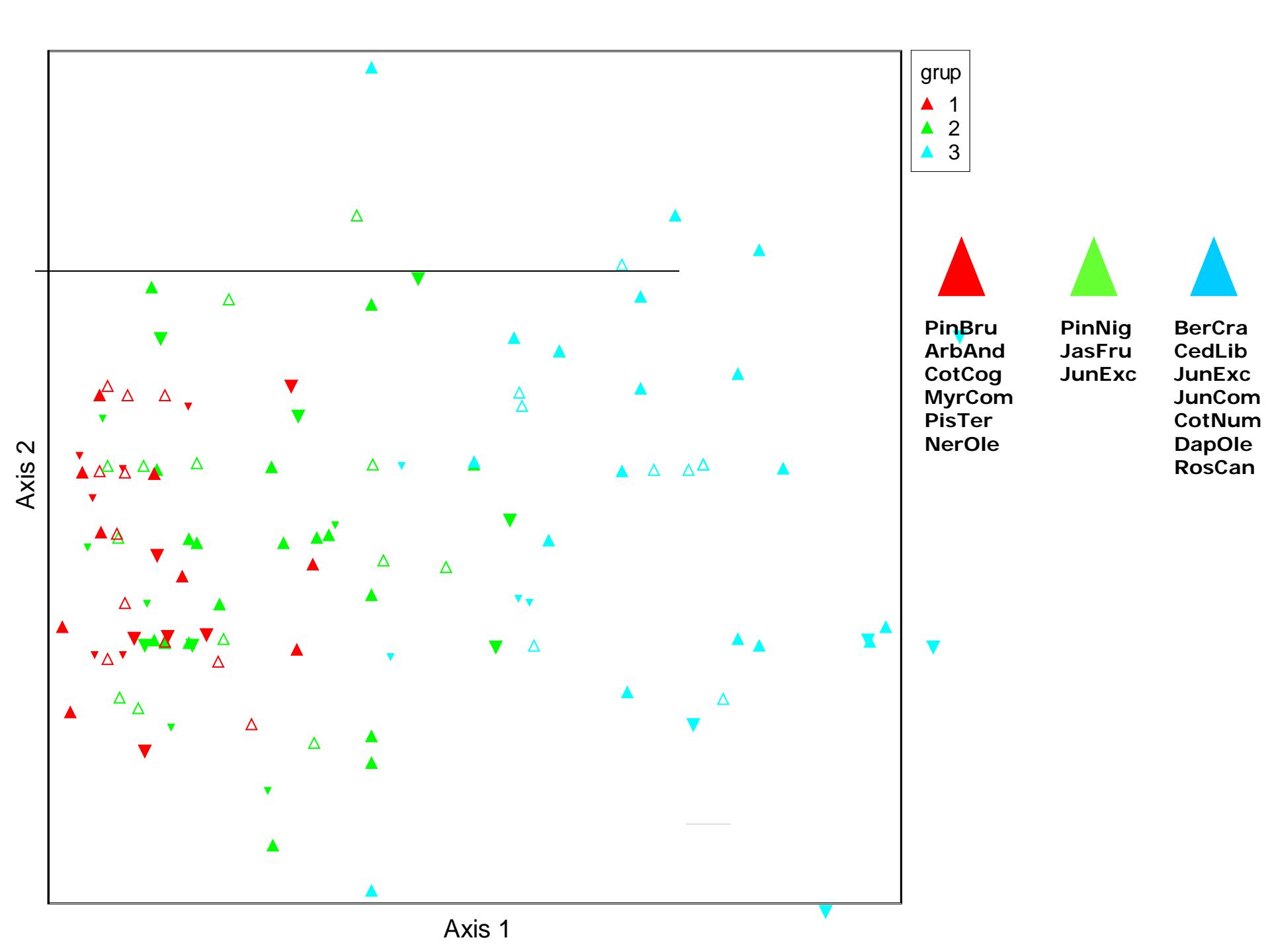
Number of entity pairs used in correlation = 3160

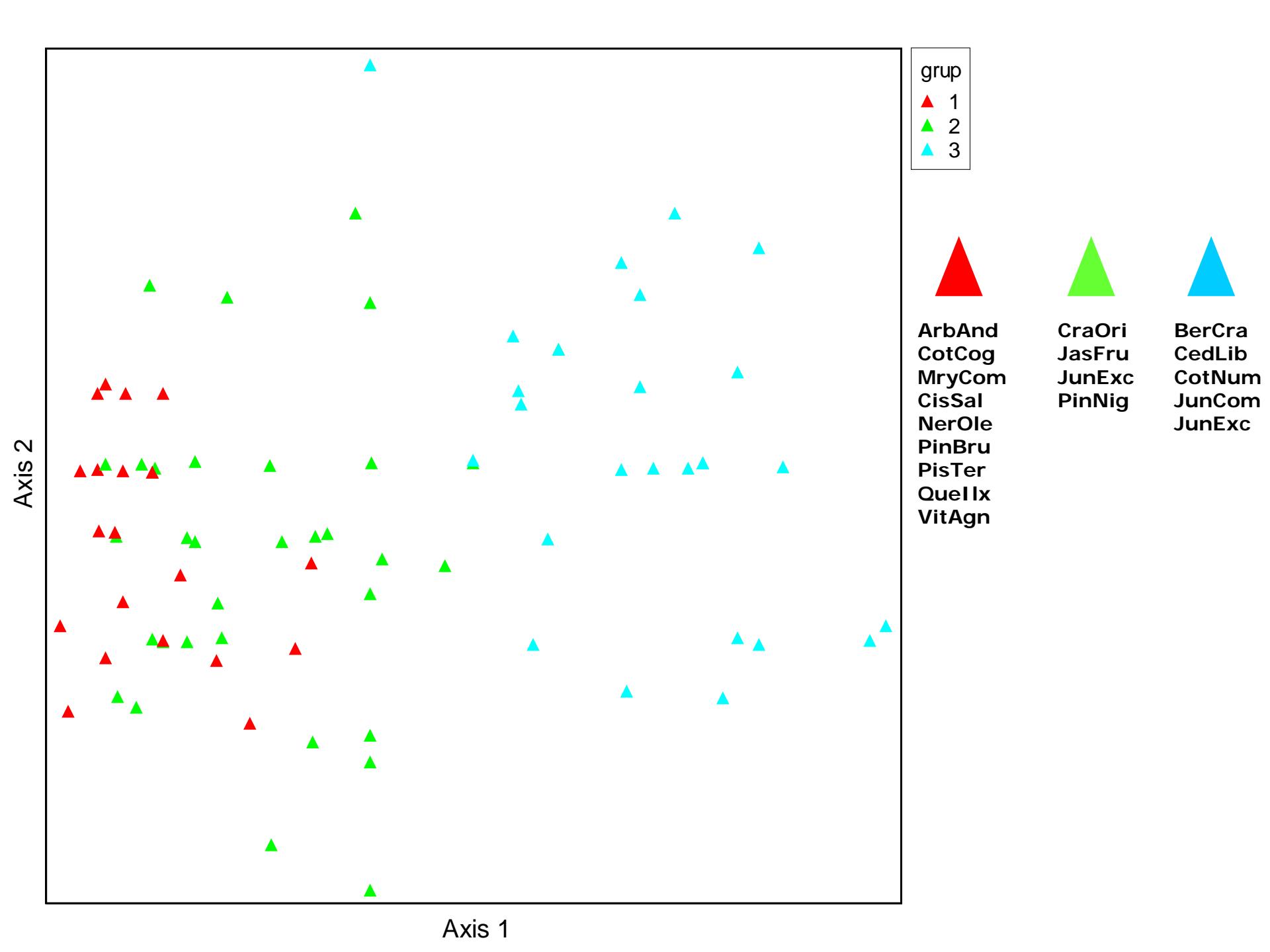
Distance measure for ORIGINAL distance: Sorenson (Bray-Curtis)













13-19 Ocak 2014 / ANTALYA

Teşekkür Ederim