



13-19 Ocak 2014/ ANTALYA

Eğilimsiz uyum Analizi PC-ORD Uygulaması

Detrended Correspondance Analysis (DECORANA)

Eğitmen: Dr. Ahmet MERT

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

PC-ORD

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Main - VVM_P-2.WK1

	q	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOr
10a	0	0	0	1	0	1	0	0
20a	0	0	0	0	0	0	0	0
30a	0	0	0	0	0	1	0	0
40a	0	0	0	0	0	0	0	0
50a	0	0	0	0	0	0	0	1
60a	0	0	0	0	0	0	0	0
70a	0	0	0	0	0	0	0	0
80a	0	0	0	0	0	0	0	0
90a	0	0	0	0	0	0	0	0

PC-ORD

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Main - VVM_P-2.WK1

	q	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOr
80	ornek							
42	bitki							
	q	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOr

DCA Setup

Downweight rare species
 Rescale axes
Rescaling threshold = 0
Number of segments = 26

OK Cancel Help

DCA

Descriptive title for results:

OK Cancel Help

Main:VVM_P-2.WK1 Second:CVM_NEW.WK1 Graph: Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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PC-ORD

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Main - VVM_P-2.WK1

	q	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri
80	ornek							
42	bitki							
10a	0	0	0	1	0	1	0	0
20a	0	0	0	0	0	0	0	0
30a	0	0	0	0	0	1	0	0
40a	0	0	0	0	0	0	0	0
50a	0	0	0	0	0	0	0	1
60a	0	0	0	0	0	0	0	0
70a	0	0	0	0	0	0	0	0
80a	0	0	0	0	0	0	0	0
90a	0	0	0	0	0	0	0	0

Graph - GRAPHROW.FIL

10a	291.66900	104.32310	114.06550
20a	205.91670	156.95210	101.37670
30a	323.50120	36.24211	213.47160
40a	166.44510	78.69084	214.98200
50a	198.39190	31.08244	221.70970
60a	164.32070	8.65692	192.14460
70a	179.92830	25.48348	185.44340
80a	154.10570	37.50674	210.53980
90a	158.73620	40.42273	157.53300
100a	159.79890	37.40058	214.57020
110a	315.73200	139.04670	242.88780
120a	265.67080	28.64064	153.53080
130a	279.12930	82.05869	154.92990
140a	177.71370	117.43530	208.05610
150a	205.33380	181.45260	118.10650
160a	164.25450	168.52050	136.73180
170a	334.47250	130.54030	79.80520

Second - CVM_NEW.WK1

	q	q	q	q	q	q	q	q
	yukslt	radinx	egim	yuztas	topder	kum	toz	kil
80	ornek							
20	degisken							
oa1	1462	0.0669872	95	90	20.5	61.8608	29.6638	8.47537
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

Result - RESULT.FIL

```

***** Detrended Correspondence Analysis (DCA) *****
PC-ORD, Version 3.17
16 Jan 2014, 9:09

Number of non-zero data items:      675

No downweighting
Axes are rescaled
Number of segments: 30
Threshold: .00

----- Axis 1 -----
    
```

Main:VVM_P-2.WK1 Second:CVM_NEW.WK1 Graph:GRAPHROW.FIL Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

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14oa	177.71370	117.43530	208.05610
15oa	205.33380	181.45260	118.10650
16oa	164.25450	168.52050	136.73180
17oa	334.47250	130.54030	79.80520

Result - RESULT.FIL

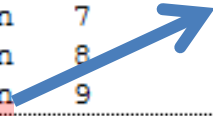
----- Axis 1 -----

q	.1486342000 = residual at iteration	0
kil	.0166961300 = residual at iteration	1
8.47537	.0002279925 = residual at iteration	2
36.1518	.0000027945 = residual at iteration	3
6.59053	.0000001269 = residual at iteration	4
59.1181	.2098623000 = residual at iteration	5
60.7555	.0042733410 = residual at iteration	6
78.6936	.0000641559 = residual at iteration	7
60.3	.0000009090 = residual at iteration	8
17.6754	.0000000564 = residual at iteration	9
54.0701	.5838783000 = eigenvalue	

Length of gradient: 4.323

Length of segments: .30 .29 .27 .25 .24 .23 .22 .21 .19 .18

Açıklama Yüzdesi



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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```
10a      291.66900    104.32310    114.06550
20a      205.91670    156.95210    101.37670
```

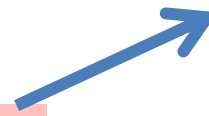
Result - RESULT.FIL

```
Length of segments:  .20  .20  .20  .19  .19  .19  .19  .19  .19  .18
Length of segments:  .19  .19  .20  .20
Length of gradient:   4.653
```

----- Axis 2 -----

```
.0711019900 = residual at iteration 0
.0052874830 = residual at iteration 1
.0025075030 = residual at iteration 2
.0014727870 = residual at iteration 3
.0007341834 = residual at iteration 4
.0004245404 = residual at iteration 5
.0002178237 = residual at iteration 6
.0001265708 = residual at iteration 7
.0000650605 = residual at iteration 8
.0000379150 = residual at iteration 9
.0000194952 = residual at iteration 10
.0000113756 = residual at iteration 11
.0000058569 = residual at iteration 12
.0000034308 = residual at iteration 13
.0000017665 = residual at iteration 14
.0000010278 = residual at iteration 15
.0000005424 = residual at iteration 16
.0000003290 = residual at iteration 17
.0000001724 = residual at iteration 18
.0000010169 = residual at iteration 19
.0000002177 = residual at iteration 20
.0000001065 = residual at iteration 21
.0000000486 = residual at iteration 22
.2119993000 = eigenvalue
```

Açıklama Yüzdesi



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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1	10oa	159.79890	37.40058	214.57020
	11oa	315.73200	139.04670	242.88780
0	12oa	265.67080	28.64064	153.53080
0	13oa	279.12930	82.05869	154.92990
0	14oa	177.71370	117.43530	208.05610
0	15oa	205.33380	181.45260	118.10650
	16oa	164.25450	168.52050	136.73180
	17oa	334.47250	130.54030	79.80520

Result - RESULT.FIL

----- Axis 3 -----

.0591521800 = residual at iteration 0
.0087301800 = residual at iteration 1
.0019989420 = residual at iteration 2
.0002232158 = residual at iteration 3
.0000659198 = residual at iteration 4
.0000116382 = residual at iteration 5
.0000036586 = residual at iteration 6
.0000006705 = residual at iteration 7
.0000002196 = residual at iteration 8
.0000000482 = residual at iteration 9
.1842317000 = eigenvalue

Length of gradient: 3.586

Açıklama Yüzdesi

Graph:GRAPHROW.FIL Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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PC-ORD

File Edit Modify Data Summary Ordination **Graph** Groups Window Options Help

Main - VVM_P-2.WK1

Graph Ordination

	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri
10a	0	0	0	1	0	1	0	0
20a	0	0	0	0	0	0	0	0
30a	0	0	0	0	0	1	0	0
40a	0	0	0	0	0	0	0	0
50a	0	0	0	0	0	0	0	1
60a	0	0	0	0	0	0	0	0
70a	0	0	0	0	0	0	0	0
80a	0	0	0	0	0	0	0	0
90a	0	0	0	0	0	0	0	0

Graph - GRAPH.FIL

	10a	20a	30a	40a	50a	60a	70a	80a	90a	100a	110a	120a	130a	140a	150a	160a	170a
80	.12681	.29061	-.77654	-.26558	-.11903	-.47024	-.01732	-.30475	.12041	-.14686	-.20525	-.01699	.06742	-.28840	.04328	.01520	.92873
ornek	-.01494	.20393	-.07303	.44205	.49145	.56214	.58354	.63389	.51465	.70435	-.46806	.04576	-.05865	.20152	-.26496	-.08515	-.36215
bitki	-.09225	-.81710	.21760	-.22347	.17008	.27601	-.09662	-.23233	-.13135	-.29804	-.26921	.22571	.11896	-.18682	-.54379	-.43002	-.03083
10a	-.92724	-.16390	-1.49319	-.16513	-.43643	-.45553	-.31715	-.22843	-.30295	-.27115	-.72591	-.84733	-.77139	-.03590	-.02818	.17232	-.73911

Second - CVM_NEW.WK1

	yukslt	radinx	egim	yuztas	topder	kum	toz	kil
oa1	1462	0.0669872	95	90	20.5	61.8608	29.6638	8.4753
oa2	1545	0.982962	10	60	7.1875	29.8227	34.0253	36.151
oa3	1485	0.0669872	80	60	32.8125	73.6378	19.7716	6.5905
oa4	1089	0.933012	60	30	26.48	17.6568	23.2249	59.118
oa5	1224	0.982962	25	60	22.04	16.1992	23.0451	60.755
oa6	1010	0.0669872	75	40	41.12	6.81018	14.4961	78.693
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	17.675
oa9	990	0.629409	20	20	33.12	22.7328	23.197	54.070

Result - RESULT.FIL

***** Nonmetric Multidimensional Scaling *****

PC-ORD, Version 3.17
7 Jan 2014, 10:44

Ordination of ornek in bitki space. 80 ornek 42 bitki

The following options were selected:

ANALYSIS OPTIONS

1. SORENSEN = Distance measure
2. 4 = Number of axes (max. = 6)
3. 100 = Maximum number of iterations
4. RANDOM = Starting coordinates (random or from file)
5. 1 = Reduction in dimensionality at each cycle
6. .20 = Step length (rate of movement toward minimum stress)
7. USE TIME = Random number seeds (use time vs. user-supplied)

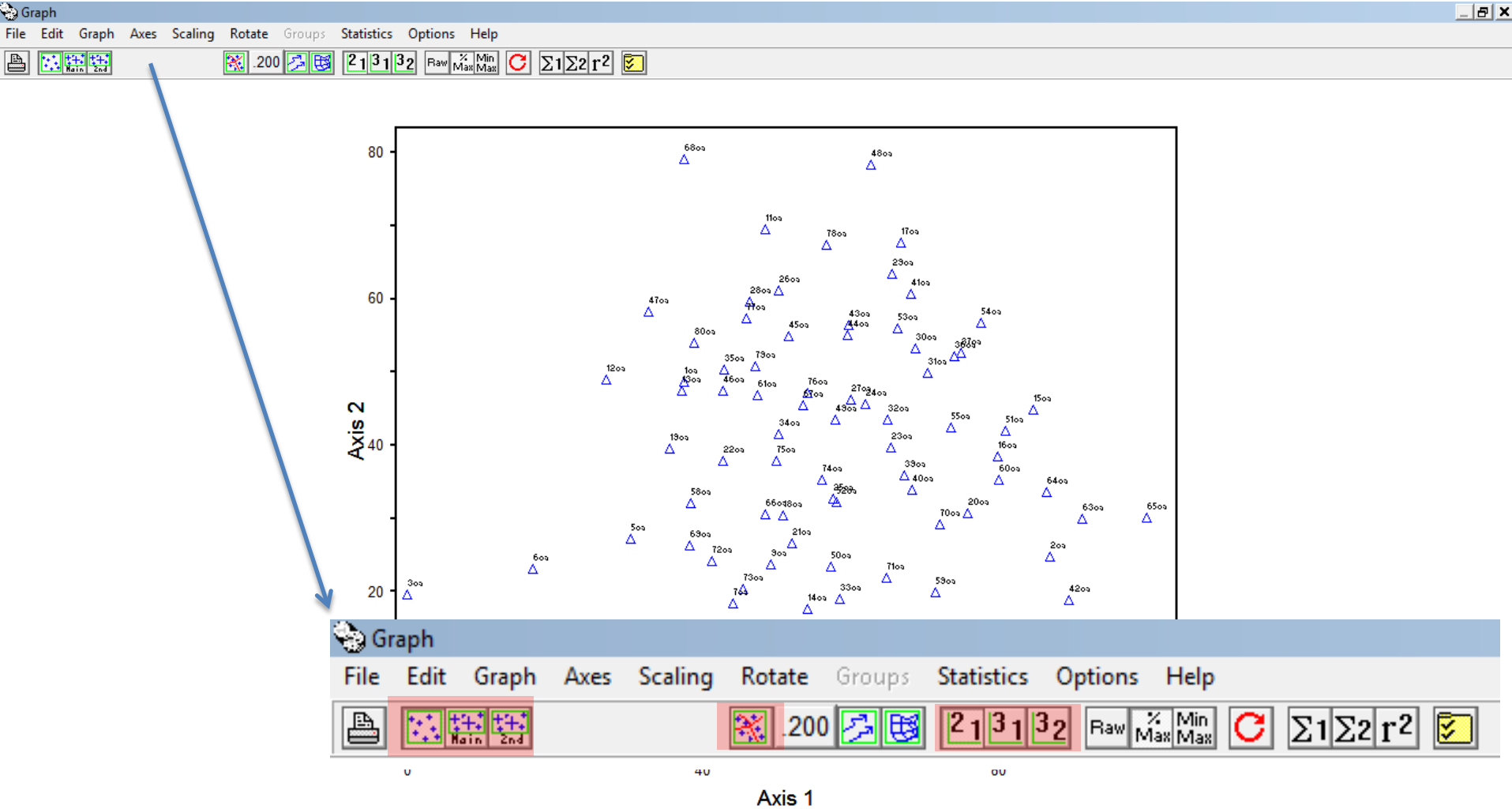
OUTPUT OPTIONS

Main:VVM_P-2.WK1 Second:CVM_NEW.WK1 Graph:GRAPH.FIL Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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Preferences

Format

Frame Type

- Box
- Standard XY
- Centered XY

Symbols

ornek

bitki ornek- bitki

Plot Points

- ornek
- bitki

Fonts

- Graph title
- Axis titles
- Tick marks
- Tick labels
- Label every other tick
- Overlay tick marks
- Hide Toolbar
- Quantitative Overlays
 - Show side scatterplots
- Groups
 - Color code categories
 - Symbol code categories
 - Show Legend
 -
- Print in black and white
- Save in black and white
- Line Weights
 - Frame -
 - Tics -
 - Joint Plots -
 - Regression Lines -
 - Vectors -
 - Grids -
- Background Color
 - White
 - Black
 - Navy

OK Cancel Defaults Help

Preferences

Format

Fonts

Graph Title **Arial Size: 16**

Row Labels Small Fonts Size: 6

Column Labels Small Fonts Size: 6

Axis Titles **Arial Size: 14**

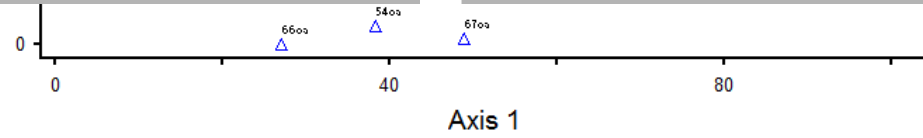
Joint Plot Labels Arial Size: 10

Tick Labels Arial Size: 10

Correlation Labels Arial Size: 10

Legend Labels Arial Size: 12

OK Cancel Defaults Help



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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Graph

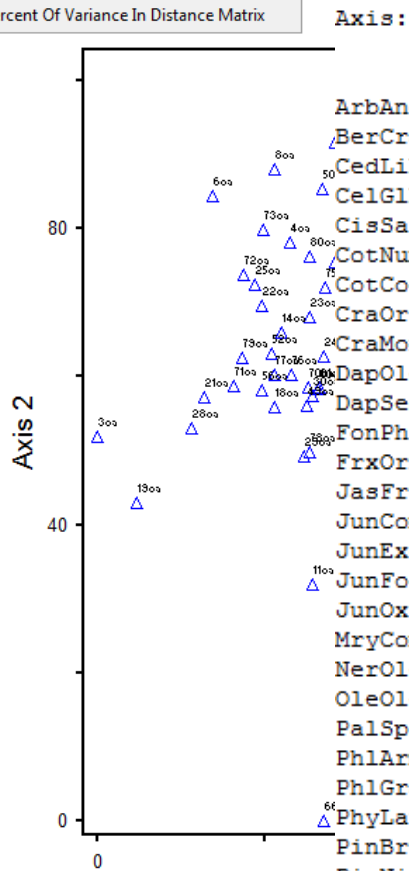
File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

Correlations With Main Matrix

Correlations With Second Matrix

Percent Of Variance In Distance Matrix

Pearson and Kendall Correlations with Ordination Axes N= 80

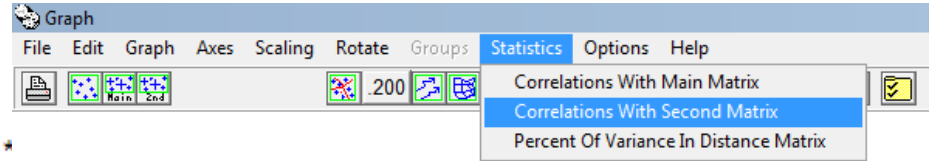


	1			2			3		
r	r-sq	tau	r	r-sq	tau	r	r-sq	tau	
ArbAnd	-.700	.491	-.611	-.019	.000	-.013	-.095	.009	-.119
BerCra	.603	.364	.490	.202	.041	.157	.242	.059	.164
CedLib	.525	.275	.406	-.183	.033	-.127	.315	.099	.281
CelGlb	.124	.015	.126	.193	.037	.144	-.120	.014	-.122
CisSal	-.587	.345	-.509	.098	.010	.106	.016	.000	.007
CotNum	.461	.212	.362	.131	.017	.083	.113	.013	.044
CotCog	-.445	.198	-.386	-.102	.010	-.109	.116	.013	.113
CraOri	.131	.017	.132	.093	.009	.091	.418	.175	.344
CraMon	-.326	.106	-.283	.021	.000	.045	-.128	.016	-.130
DapOle	.310	.096	.254	-.387	.150	-.336	-.338	.114	-.250
DapSer	-.297	.088	-.240	.472	.223	.390	.009	.000	-.006
FonPhl	-.411	.169	-.336	-.274	.075	-.215	.104	.011	.106
FrxOrn	-.054	.003	-.038	-.101	.010	-.085	-.126	.016	-.133
JasFru	-.056	.003	-.029	.387	.150	.339	.107	.011	.101
JunCom	.491	.241	.347	.136	.018	.130	.188	.035	.166
JunExc	.337	.114	.304	.279	.078	.206	-.561	.314	-.469
JunFoe	.262	.069	.216	.446	.199	.319	-.070	.005	-.095
JunOxy	-.162	.026	-.102	-.137	.019	-.120	-.111	.012	-.096
MryCom	-.452	.204	-.397	-.109	.012	-.095	-.034	.001	-.047
NerOle	-.402	.162	-.349	-.091	.008	-.087	.019	.000	.010
OleOle	-.357	.127	-.312	-.100	.010	-.134	-.069	.005	-.081
PalSpi	-.289	.083	-.226	-.060	.004	-.059	-.158	.025	-.171
PhlArm	.496	.246	.337	-.121	.015	-.063	.296	.087	.254
PhlGra	-.249	.062	-.169	-.129	.017	-.098	.085	.007	.092
PhyLat	-.655	.430	-.566	.190	.036	.169	-.110	.012	-.135
PinBru	-.771	.595	-.671	-.019	.000	-.021	.059	.004	.042
PinNig	.195	.038	.204	-.570	.325	-.480	.093	.009	.097
PisTer	-.695	.483	-.599	.049	.002	.035	-.069	.005	-.088
PlaOri	-.374	.140	-.321	-.200	.040	-.184	.116	.013	.104
PruDiv	.353	.125	.305	.154	.024	.112	.373	.139	.290
QueCer	-.122	.015	-.101	-.065	.004	-.050	.325	.105	.260
QueCoc	-.342	.117	-.236	.212	.045	.167	-.039	.001	-.042

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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

PC-ORD Version 3.17

16.01.2014, 10:17

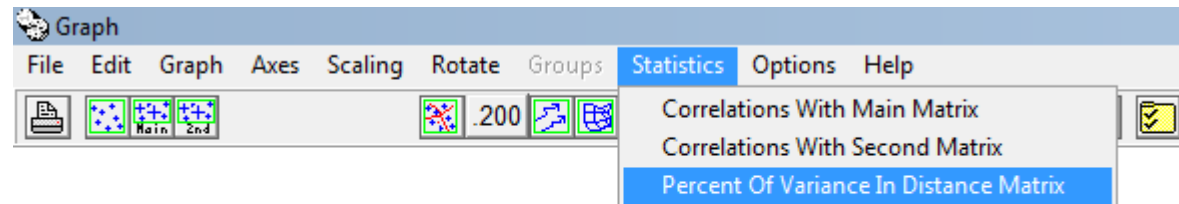
Pearson and Kendall Correlations with Ordination Axes N= 80

Axis:	1			2			3		
	r	r-sq	tau	r	r-sq	tau	r	r-sq	tau
yukslt	.898	.807	.755	.058	.003	.031	.025	.001	.051
radinx	-.017	.000	.016	.052	.003	.016	-.029	.001	-.028
egim	.126	.016	.082	-.167	.028	-.111	.077	.006	.092
yuztas	.512	.262	.380	.115	.013	.069	-.323	.105	-.202
topder	-.486	.236	-.290	-.049	.002	-.048	.248	.061	.239
kum	.304	.092	.176	.051	.003	.033	.030	.001	.053
toz	.099	.010	.122	.212	.045	.095	-.240	.058	-.109
kil	-.363	.132	-.221	-.130	.017	-.051	.053	.003	-.016
pH	.025	.001	.010	.198	.039	.096	-.256	.066	-.190
kirec	-.258	.067	-.145	-.065	.004	-.103	.006	.000	.095
orgmad	.312	.097	.157	-.099	.010	-.029	-.279	.078	-.154
zyyprz	.363	.132	.313	.318	.101	.228	-.265	.070	-.218
krctas	.663	.439	.541	.067	.005	.035	-.068	.005	-.052
konglo	-.457	.209	-.397	.113	.013	.120	-.136	.019	-.159
karsk	-.364	.132	-.278	-.161	.026	-.131	.180	.032	.181
disbky	.123	.015	.140	.121	.015	.063	-.432	.186	-.319
duzarz	-.014	.000	-.061	-.015	.000	.014	.085	.007	.054
ondule	-.042	.002	-.034	-.011	.000	-.021	.177	.031	.165
icbuky	-.068	.005	-.036	-.106	.011	-.064	.153	.023	.081
yamkon	-.356	.126	-.270	-.024	.001	-.007	.177	.031	.107

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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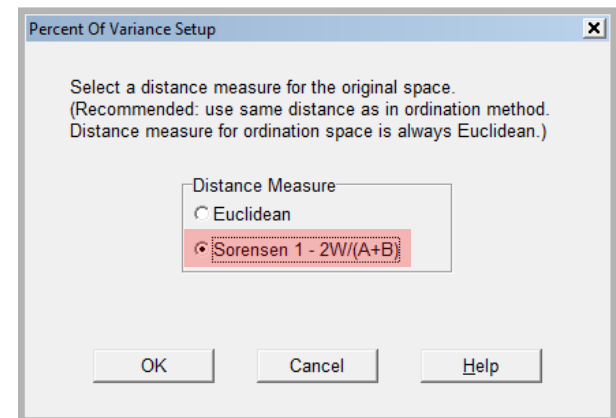
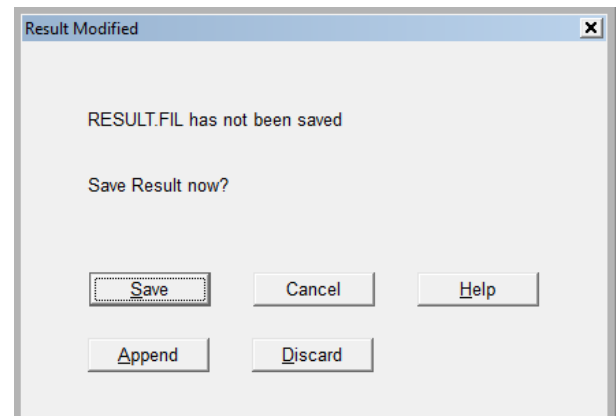
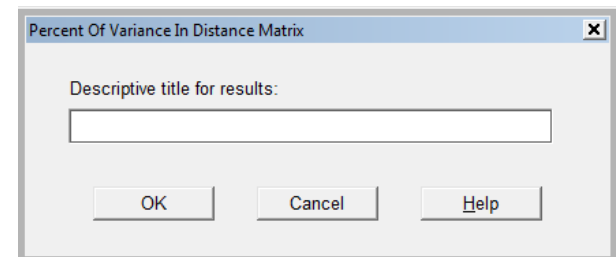


***** Output from Graph *****
PC-ORD Version 3.17
07.01.2014, 11:01

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

Axis	Increment	R Squared	Cumulative
1	.496	.496	
2	.098	.594	
3	.071	.665	

Number of entities = 80
Number of entity pairs used in correlation = 3160
Distance measure for ORIGINAL distance: Sorensen 1 - 2W/(A+B)



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



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

PC-ORD Version 3.17

16.01.2014, 10:17

Pearson and Kendall Correlations with Ordination Axes N= 80

Axis: 1 2 3
r r-sq tau

yukslt
radinx
egim
yuztas
topder
kum
toz
kil
pH
kirec
orgmad
zyyprz
krctas
konglo
karsk
disbky
duzarz
ondule
icbuky
yamkon

.898

The screenshot shows the SPSS 'Correlate' menu with 'Bivariate...' selected. The list of variables includes: Eksen1, Eksen2, Eksen3, Eksen4, yukslt, radinx, egim, yuztas, oa1, oa2, oa3, oa4, oa5, oa6, oa7, oa8, oa9, oa10, oa11, oa12, oa13, oa14, oa15, oa16, oa17, oa18, oa19, oa20, oa21, oa22, oa23, oa24, oa25, oa26, oa27, oa28, oa29, oa30, oa31, oa32, oa33, oa34, oa35, oa36, oa37, oa38.

		Axis 1	Axis 2	Axis 3	yukslt	radinx	egim
Axis 1	Pearson Correlation	1	-.027	,097	,898**	-,017	,126
	Sig. (2-tailed)		,811	,391	,000	,884	,266
	N	80	80	80	80	80	80
Axis 2	Pearson Correlation	-.027	1	-.095	,058	,052	-,167
	Sig. (2-tailed)	,811	,399	,608	,644	,138	,138
	N	80	80	80	80	80	80
Axis 3	Pearson Correlation	,097	-.095	1	,025	-,029	,077
	Sig. (2-tailed)	,391	,399	,828	,799	,496	,496
	N	80	80	80	80	80	80

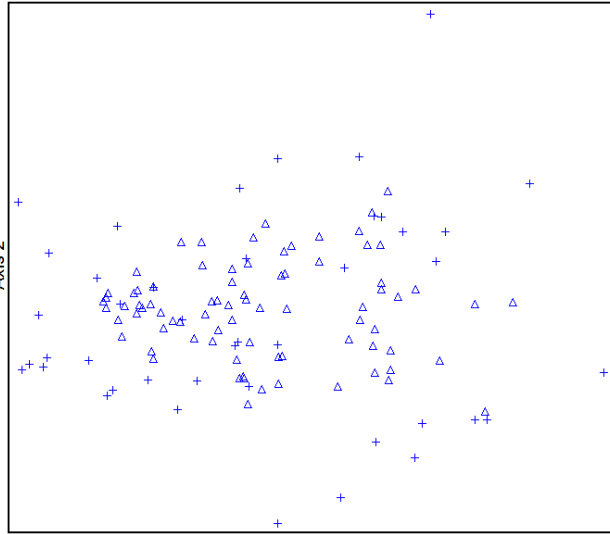
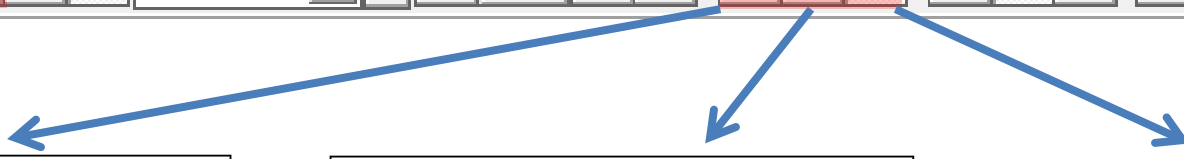
Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



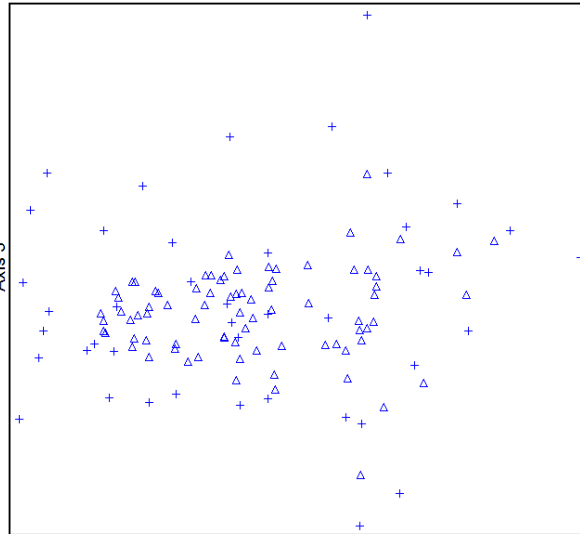
13-19 Ocak 2014/ ANTALYA

Graph

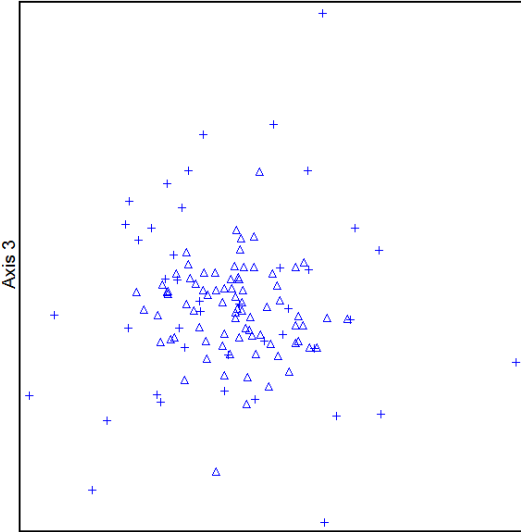
File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



Axis 1



Axis 1



Axis 2

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

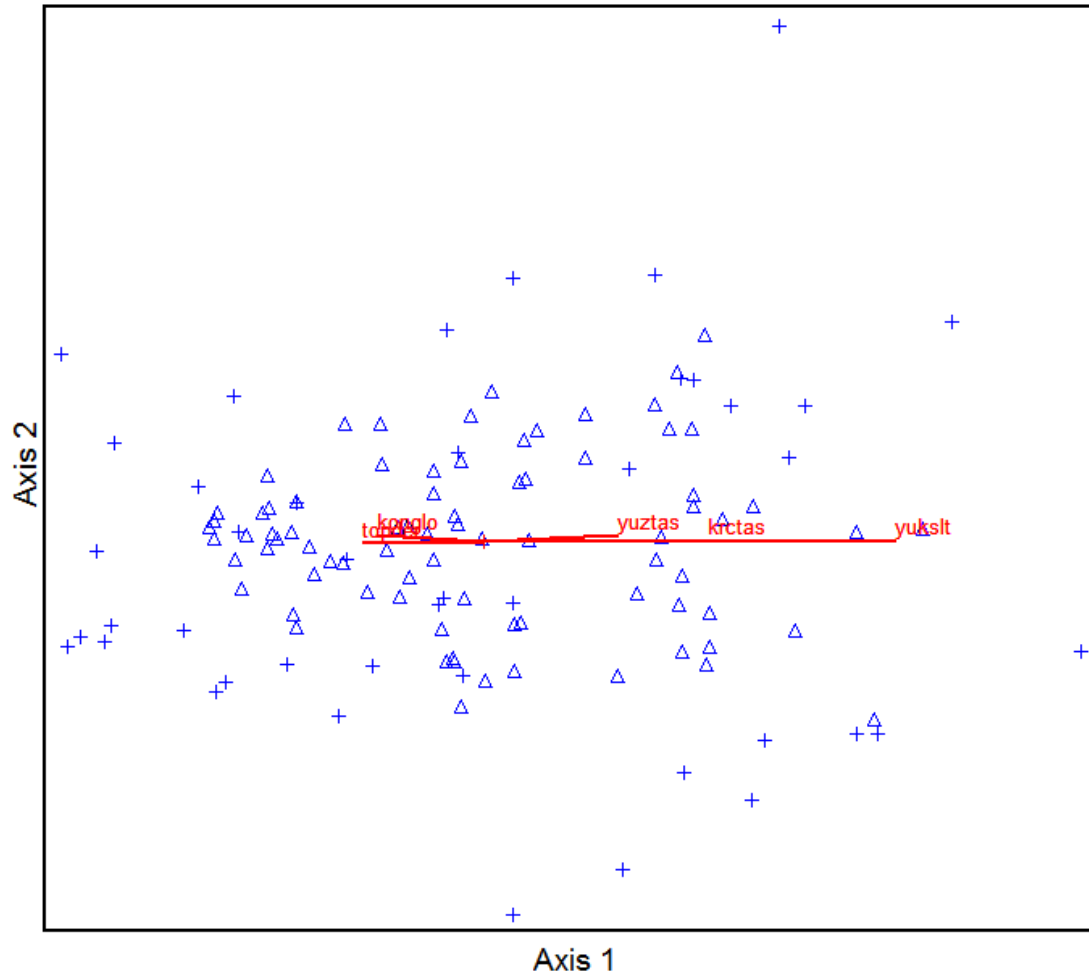


13-19 Ocak 2014/ ANTALYA

Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

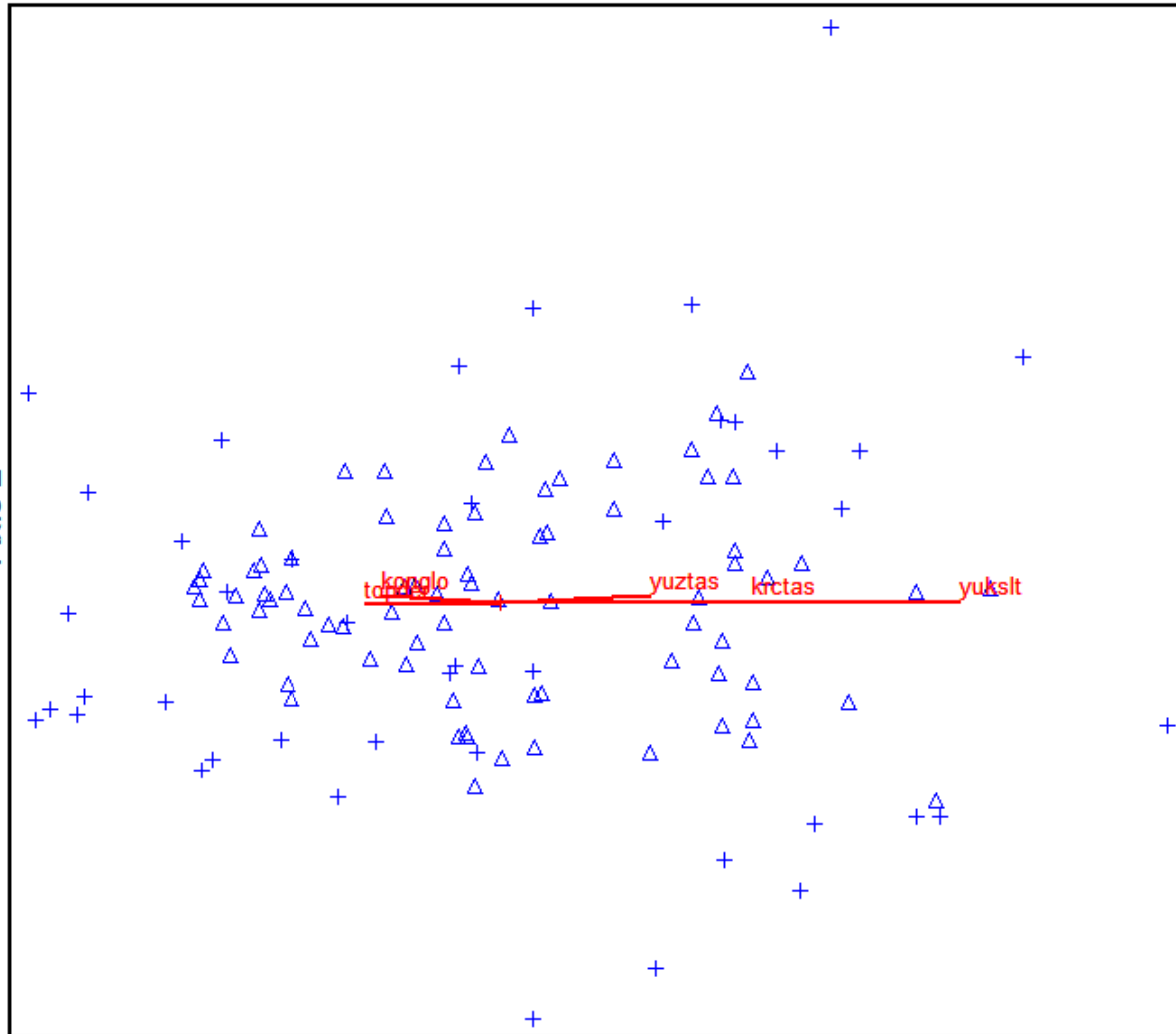
yukslt .200 21 31 32 Raw % Max Min Max $\Sigma 1$ $\Sigma 2$ r^2



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA



Axis:

	r
yukslt	.898
radinx	-.017
egim	.126
yuztas	.512
topder	-.486
kum	.304
toz	.099
kil	-.363
pH	.025
kirec	-.258
orgmad	.312
yzyprz	.363
krctas	.663
konglo	-.457
karsk	-.364
disbky	.123
duzarz	-.014
ondule	-.042
icbuky	-.068
yamkon	-.356

Axis 1

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

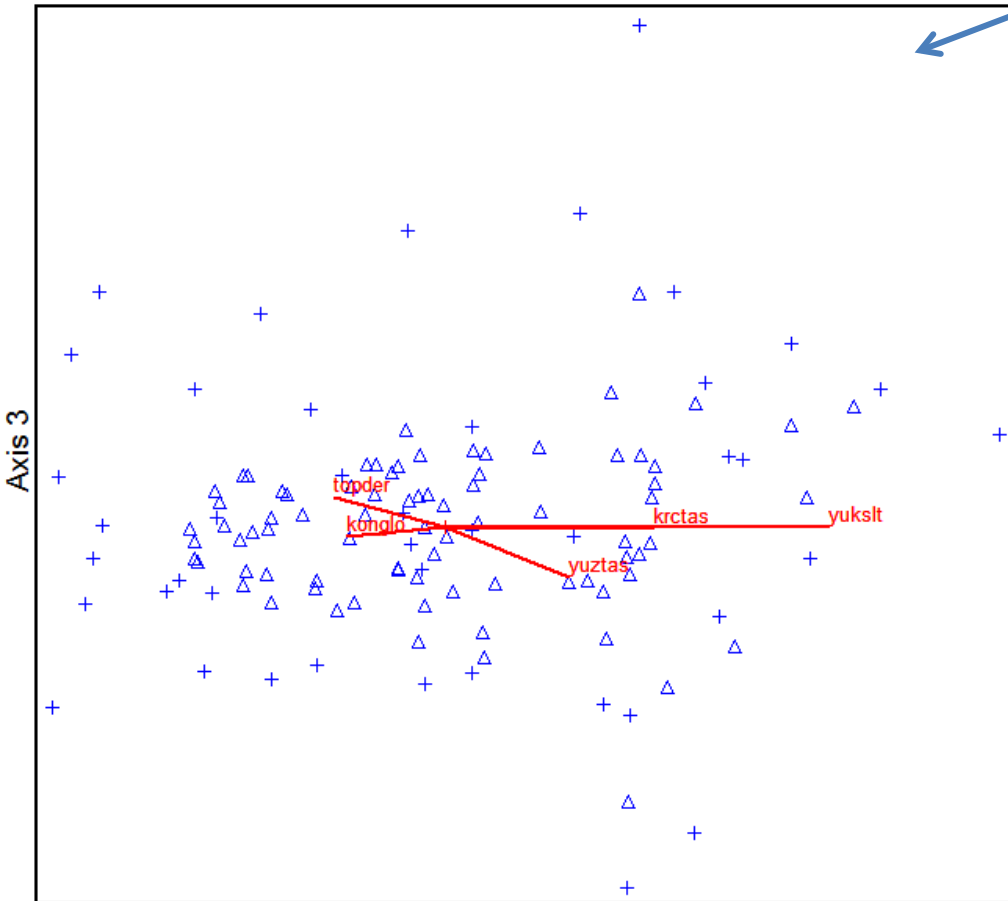


13-19 Ocak 2014/ ANTALYA

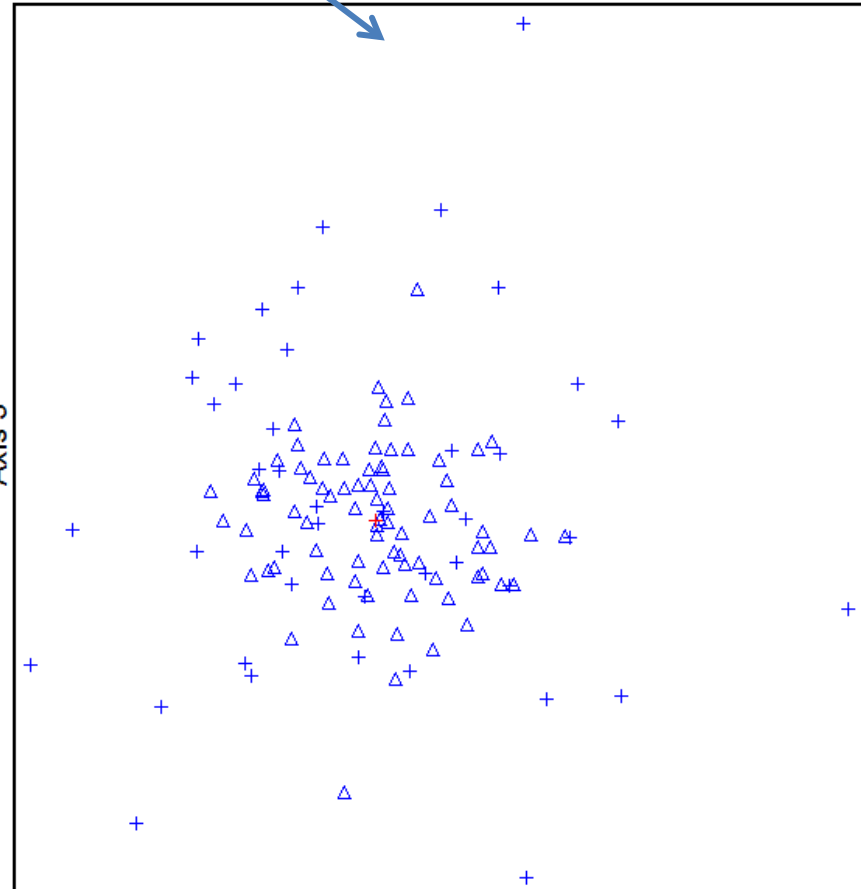
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

Graph toolbar showing various icons and settings. The 'Statistics' section is highlighted, showing '21', '31', and '32' selected. Other options include 'Raw', '% Max', 'Min Max', and 'Σ1 Σ2 r²'.



Axis 1



Axis 2

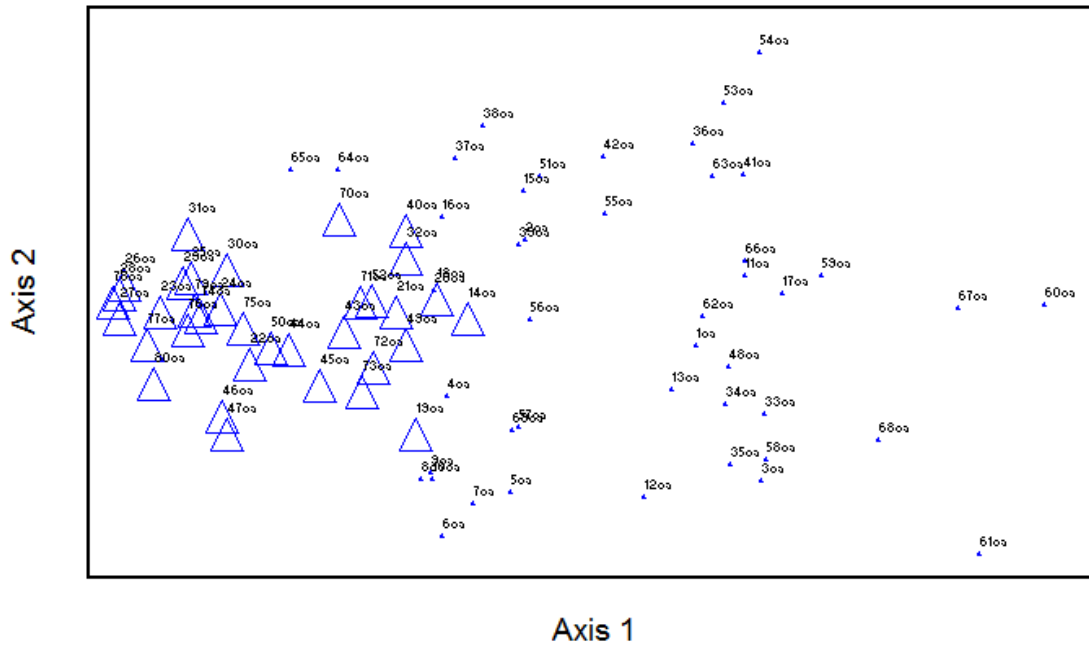
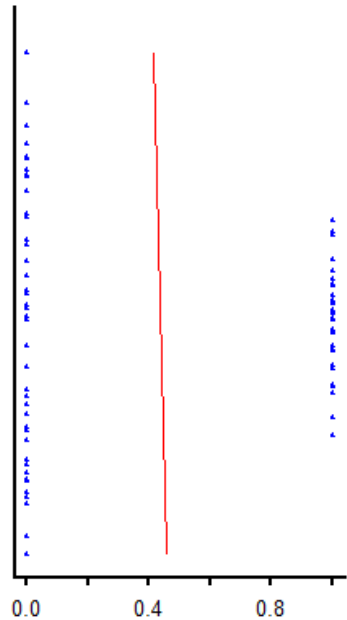
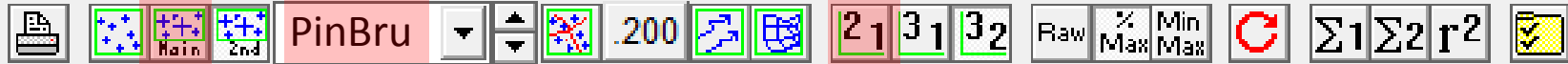
Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

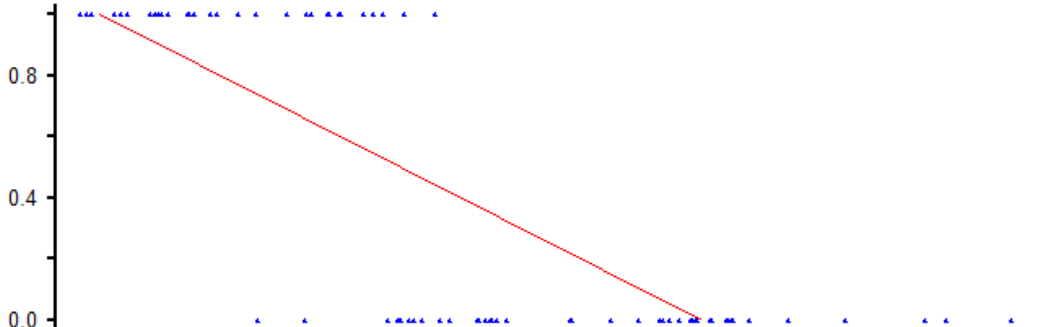
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help



ArbAnd	-.700
BerCra	.603
CedLib	.525
CelGlb	.124
CisSal	-.587
CotNum	.461
CotCog	-.445
CraOri	.131
CraMon	-.326
DapOle	.310
DapSer	-.297
FonPhl	-.411
FrXOrn	-.054
JasFru	-.056
JunCom	.491
JunExc	.337
JunFoe	.262
JunOxy	-.162
MryCom	-.452
NerOle	-.402
OleOle	-.357
PalSpi	-.289
PhlArm	.496
PhlGra	-.249
PhyLat	-.655
PinBru	-.771
PinNig	.195
PisTer	-.695
PlaOri	-.374
PruDiv	.353
QueCer	-.122
QueCoc	-.342

PinBru
Axis 1
 $r = -.771$ $\tau = -.671$
Axis 2
 $r = -.019$ $\tau = -.021$



Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

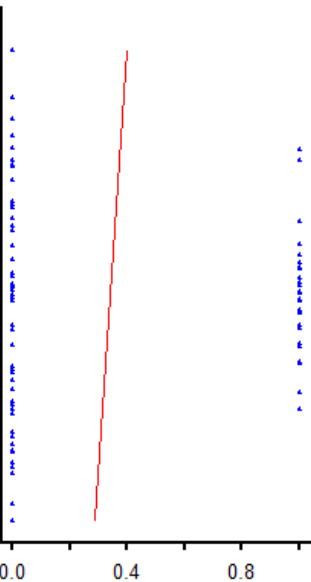
PisTer

 .200

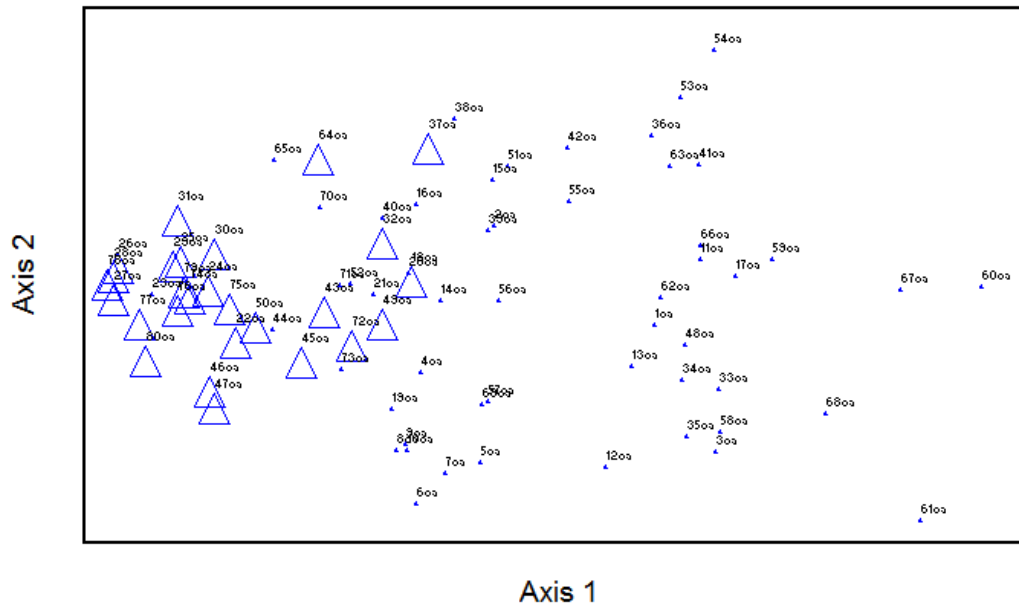
 2 1 3 2

 % Max
 Min Max

 Σ1 Σ2 r²

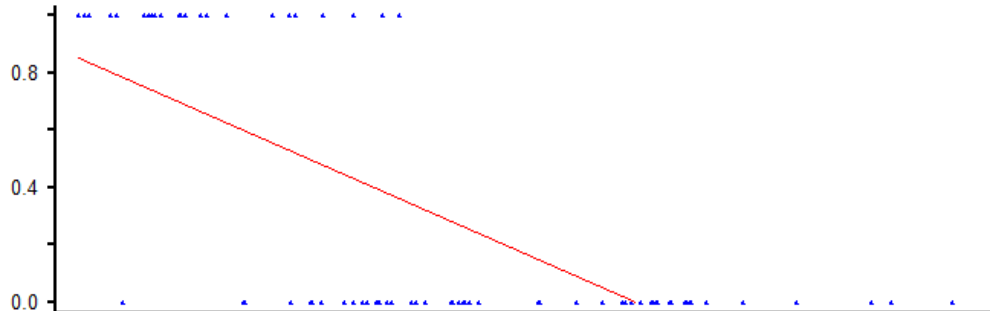


PisTer
 Axis 1
 $r = -.695$ $\tau = -.599$
 Axis 2
 $r = .049$ $\tau = .035$



Axis 2

Axis 1



ArbAnd	-.700
BerCra	.603
CedLib	.525
CelGlb	.124
CisSal	-.587
CotNum	.461
CotCog	-.445
CraOri	.131
CraMon	-.326
DapOle	.310
DapSer	-.297
FonPhl	-.411
FrXOrn	-.054
JasFru	-.056
JunCom	.491
JunExc	.337
JunFoe	.262
JunOxy	-.162
MryCom	-.452
NerOle	-.402
OleOle	-.357
PalSpi	-.289
PhlArm	.496
PhlGra	-.249
PhyLat	-.655
PinBru	-.771
PinNig	.195
PisTer	-.695
PlaOri	-.374
PruDiv	.353
QueCer	-.122
QueCoc	-.342

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

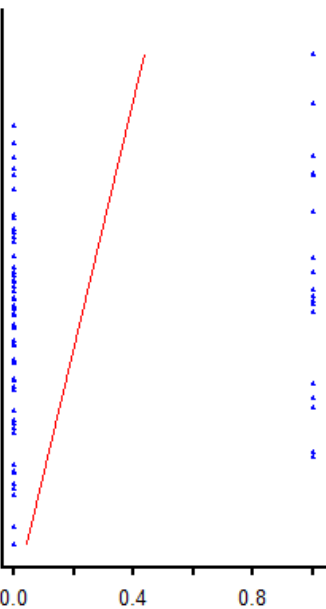


13-19 Ocak 2014/ ANTALYA

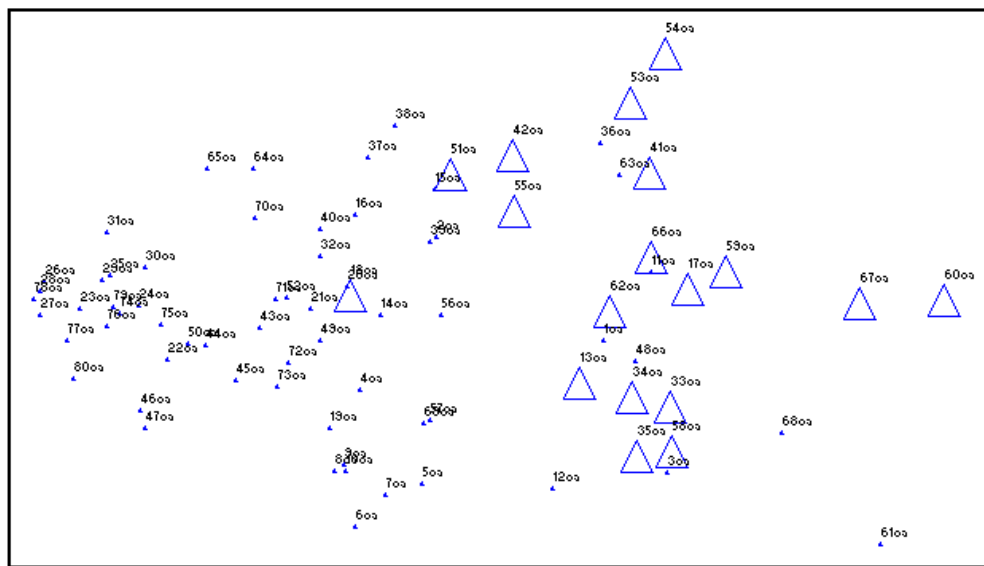
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

BerCra \downarrow \uparrow .200 \leftarrow \rightarrow 21 31 32 Raw % Max Min Max Axis: r

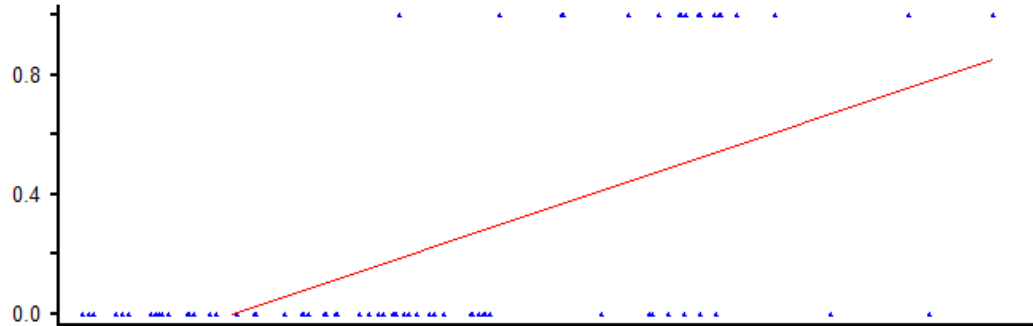


Axis 2



Axis 1

BerCra
Axis 1
 $r = .603$ tau = .490
Axis 2
 $r = .202$ tau = .157



ArbAnd	-.700
BerCra	.603
CedLib	.525
CelGlb	.124
CisSal	-.587
CotNum	.461
CotCog	-.445
CraOri	.131
CraMon	-.326
DapOle	.310
DapSer	-.297
FonPhl	-.411
FrxOrn	-.054
JasFru	-.056
JunCom	.491
JunExc	.337
JunFoe	.262
JunOxy	-.162
MryCom	-.452
NerOle	-.402
OleOle	-.357
PalSpi	-.289
PhlArm	.496
PhlGra	-.249
PhyLat	-.655
PinBru	-.771
PinNig	.195
PisTer	-.695
PlaOri	-.374
PruDiv	.353
QueCer	-.122
QueCoc	-.342

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

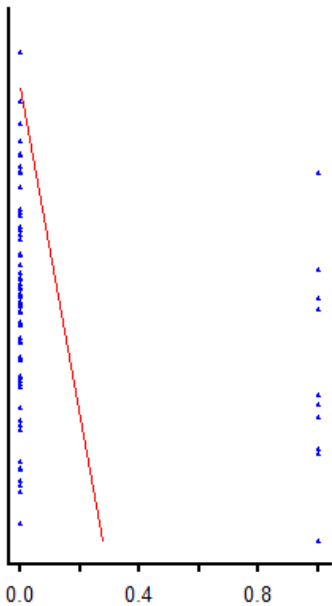


13-19 Ocak 2014/ ANTALYA

Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

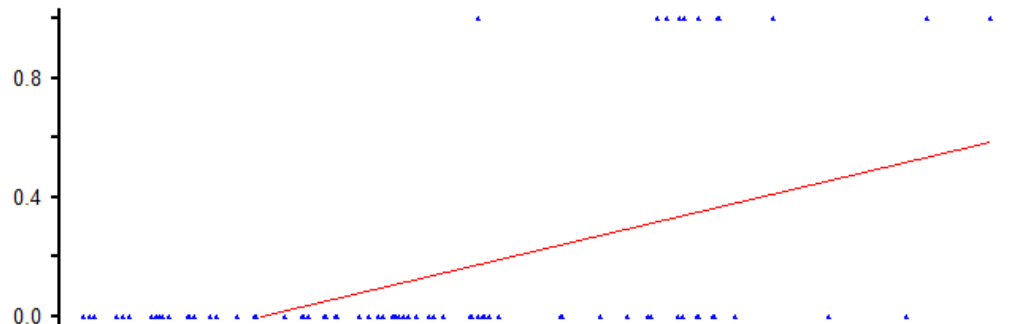
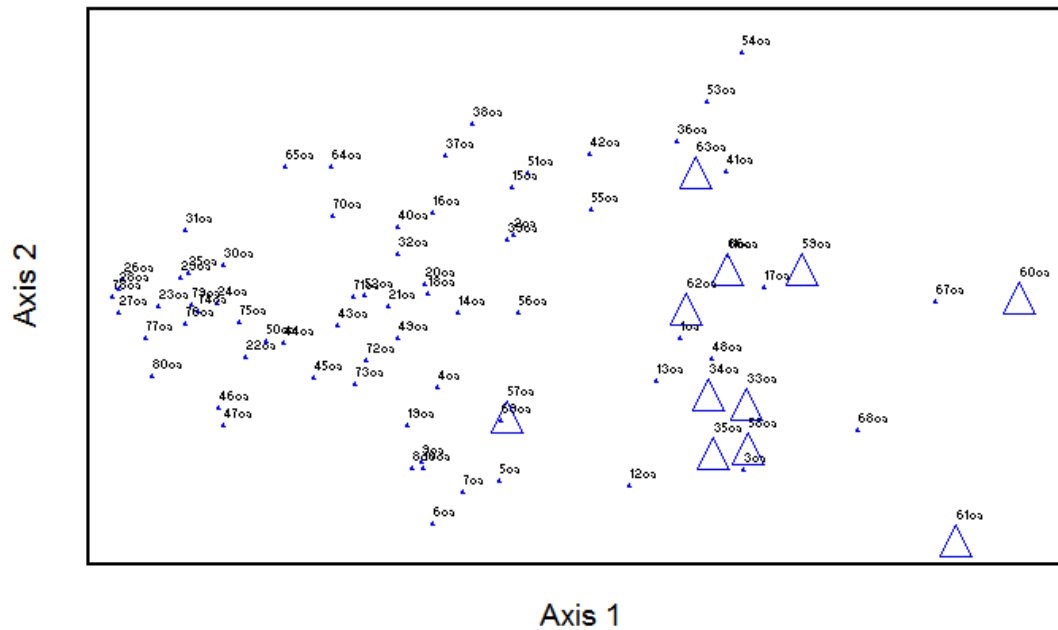
CedLib
.200
21
31
32
Raw
% Max
Min Max
Axis:
r



CedLib

Axis 1
 $r = .525$ $\tau = .406$

Axis 2
 $r = -.183$ $\tau = -.127$



ArbAnd	-.700
BerCra	.603
CedLib	.525
CelGlb	.124
CisSal	-.587
CotNum	.461
CotCog	-.445
CraOri	.131
CraMon	-.326
DapOle	.310
DapSer	-.297
FonPhl	-.411
FrxOrn	-.054
JasFru	-.056
JunCom	.491
JunExc	.337
JunFoe	.262
JunOxy	-.162
MryCom	-.452
NerOle	-.402
OleOle	-.357
PalSpi	-.289
PhlArm	.496
PhlGra	-.249
PhyLat	-.655
PinBru	-.771
PinNig	.195
PisTer	-.695
PlaOri	-.374
PruDiv	.353
QueCer	-.122
QueCoc	-.342

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler

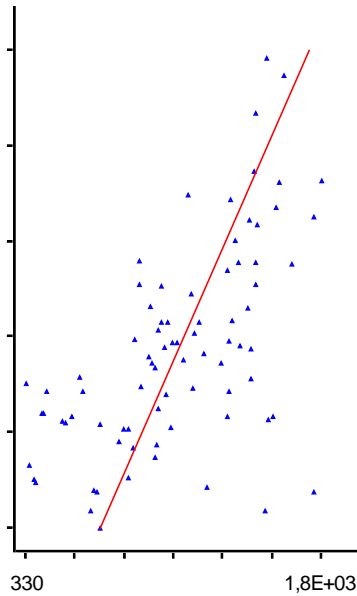


13-19 Ocak 2014/ ANTALYA

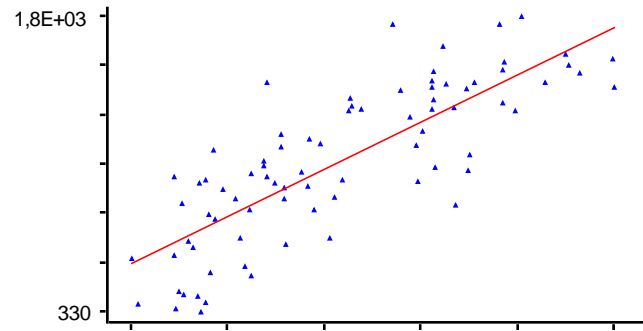
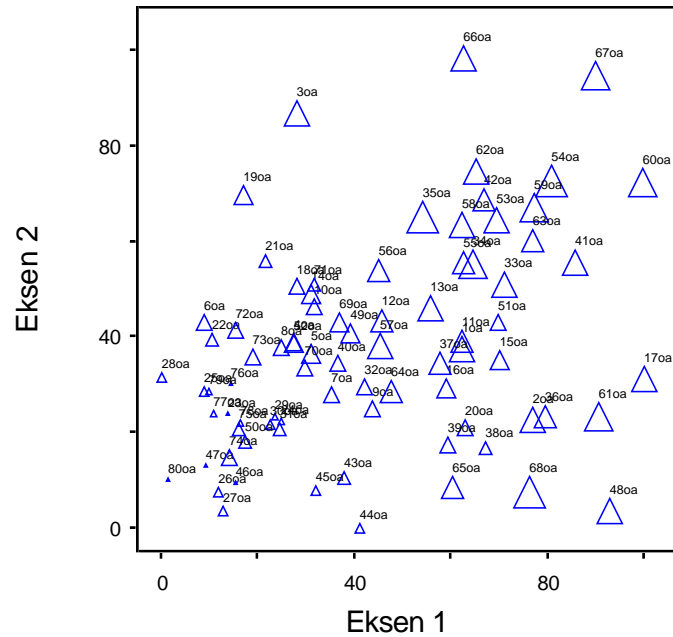
Graph

File Edit Graph Axes Scaling Rotate Groups Statistics Options Help

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



yukslt
Eksen 1
 $r = ,803$ $\tau = ,618$
Eksen 2
 $r = ,585$ $\tau = ,425$



Axis:

	r
yukslt	,803
radinx	,121
egim	-,080
yuztas	,557
topder	-,512
kum	,265
toz	,207
kil	-,359
pH	,114
kirec	-,275
orgmad	,238
zyyprz	,542
krctas	,643
konglo	-,340
karsk	-,433
disbky	,262
duzarz	-,068
ondule	-,084
icbuky	-,102
yamkon	-,356

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

İlk işlemlerin ardından Cluster ve Twinspan gruplarını doğrudan çağırırız...



PC-ORD

File Edit Modify Data Summary Ordination Graph Groups Window Options Help

Open... Main Matrix F7
Close... Second Matrix F8
Save As... Graph File F9
Append Results F4 Result File F10
Import Matrix
Export Matrix...
Delete File
Switch Matrix...
Graph Selection
Memory Requirements
Print...
Print Setup...
Font...
Dos Shell
Exit

	q	q	q	q	q	q	q
Cra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri	
0	1	0	1	0			
0	0	0	0	0			
0	0	0	1	0			
0	0	0	0	0			
0	0	0	0	0			
0	0	0	0	0			
0	0	0	0	0			
0	0	0	0	0			
0	0	0	0	0			

Graph - GRAPH.FIL

80				
10a	.18300	-.24957	-.04819	-.90733
20a	.12371	.66699	.55197	-.21202
30a	.11070	-1.35450	.21477	-.68210
40a	.41181	-.13702	.35753	.18600

Open Second Matrix

Dosya adı: CLUSTE~1.WK1
Klasör: d:\...pcordd~1\grupan~1

CLUSTE~1.WK1
CLUSTE~2.WK1
TWINSP~1.WK1
TWINSP~2.WK1
TWINSP~3.WK1

Listelenecek Dosya Türü: *.wk1 (Lotus 1-2-3)
Sürücü: D:

Tamam
İptal
Yardım
Ağ...

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	29.6
oa2	1545	0.982962	10	60	7.1875	29.8227	34.0
oa3	1485	0.0669872	80	60	32.8125	73.6378	19.7716
oa4	1089	0.933012	60	30	26.48	17.6568	23.2249
oa5	1224	0.982962	25	60	22.04	16.1992	23.0451
oa6	1010	0.0669872	75	40	41.12	6.81018	14.4961
oa7	1030	0.982962	55	70	26.04	25.1448	14.5551
oa8	1028	0.982962	65	80	15.76	70.0499	12.2746
oa9	990	0.629409	20	20	33.12	22.7328	23.197

Pearson and Kendall Correlations with Ordination Axes N= 80

Axis:	r	r-sq	tau	r	r-sq	tau	r	r-sq	tau
yukslt	-.521	.271	-.320	-.199	.040	-.137	.502	.252	.344
radinx	.043	.002	.022	.308	.095	.188	.180	.032	.157
egim	.024	.001	-.010	-.346	.120	-.205	.035	.001	.054
yuztas	-.167	.028	-.089	.130	.017	.097	.234	.055	.169
topder	.092	.008	.033	-.132	.017	-.143	-.376	.142	-.115

Main:VVM_P~2.WK1 Second:CVM_NEW.WK1 Graph:GRAPH.FIL Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

PC-ORD

File Edit Modify Data Summary Ordination **Graph** Groups Window Options Help

Main - VVM_P-2.WK1

Graph Ordination

	q	q	q	q	q	q	q	q
	ArbAnd	BerCra	CedLib	CelGlb	CisSal	CotNum	CotCog	CraOri
10a	0	0	0	1	0	1	0	0
20a	0	0	0	0	0	0	0	0
30a	0	0	0	0	0	1	0	0
40a	0	0	0	0	0	0	0	0
50a	0	0	0	0	0	0	0	1
60a	0	0	0	0	0	0	0	0
70a	0	0	0	0	0	0	0	0
80a	0	0	0	0	0	0	0	0
90a	0	0	0	0	0	0	0	0

Graph - GRAPH.FIL

80				
10a	.18300	-.24957	-.04819	-.90733
20a	.12371	.66699	.55197	-.21202
30a	.11070	-1.35450	.21477	-.68210
40a	.41181	-.13702	.35753	.18600
50a	.53655	-.38095	.12479	-.24032
60a	.61344	-.69344	.05959	.01368
70a	.59929	-.07162	.32079	-.10846
80a	.55309	-.18949	.49896	.20459
90a	.53024	.02493	.29123	-.19763
100a	.49938	-.22995	.67014	.13323
110a	-.35189	-.16599	-.47613	-.65687
120a	.18368	-.48048	-.21368	-.69565
130a	.04017	-.36428	-.09888	-.71984
140a	.13443	-.13590	.31893	.25070
150a	-.31437	.44739	.10582	-.06670
160a	-.12787	.40689	.13702	.12258
170a	-.30741	.29289	-.13847	-1.29786

Second - CLUSTE-1.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

Result -

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

PC-ORD Version 3.17
07.01.2014, 11:46

Pearson and Kendall Correlations with Ordination Axes N= 80

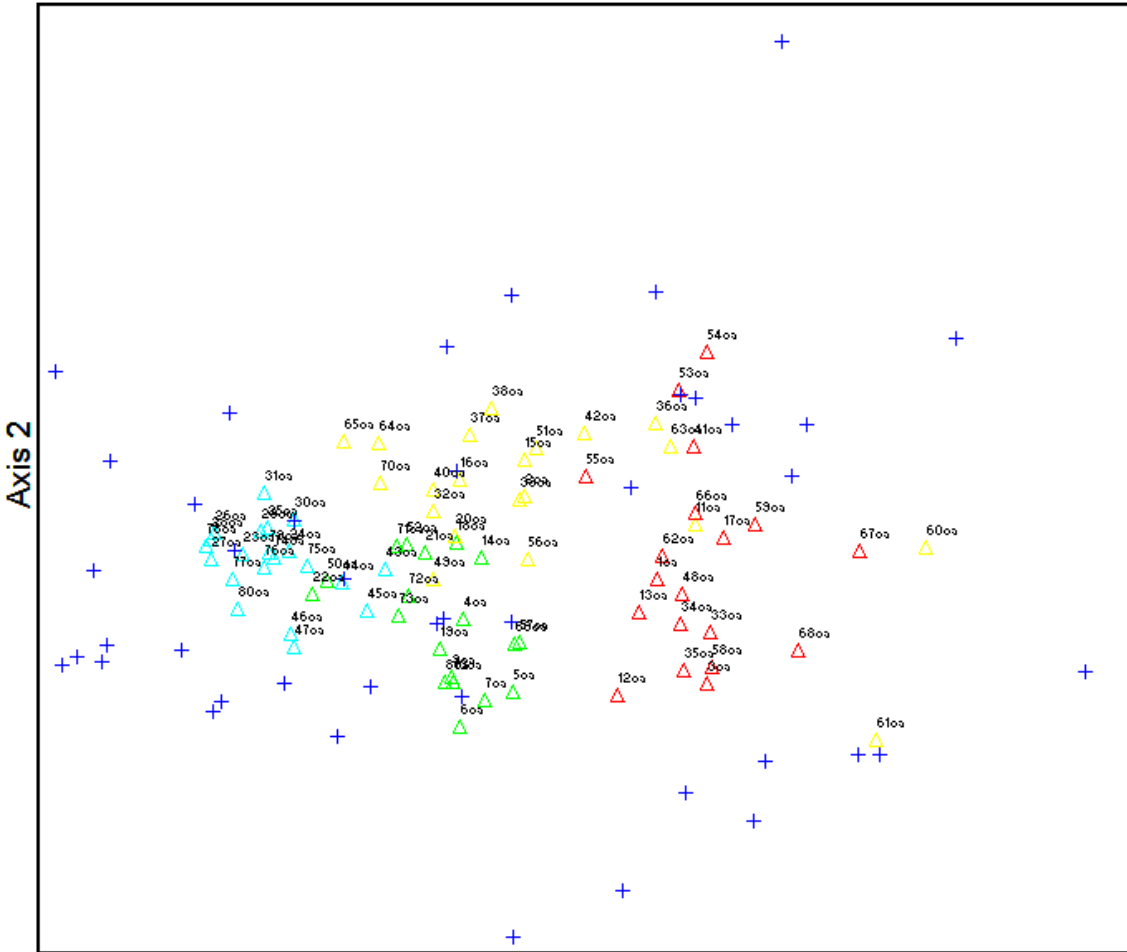
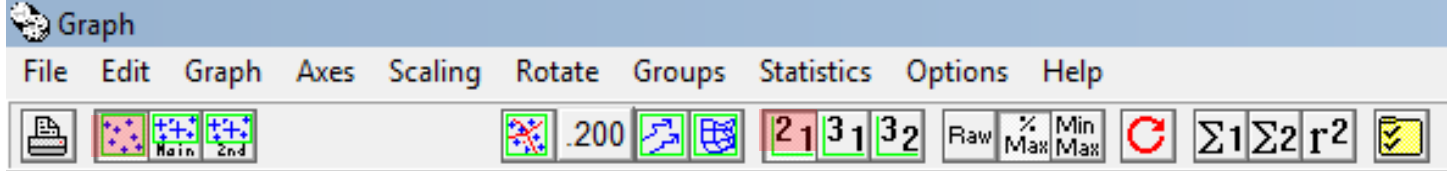
Axis:	1			2			3		
	r	r-sq	tau	r	r-sq	tau	r	r-sq	tau
yukslt	-.521	.271	-.320	-.199	.040	-.137	.502	.252	.344
radinx	.043	.002	.022	.308	.095	.188	.180	.032	.157
egim	.024	.001	-.010	-.346	.120	-.205	.035	.001	.054
yuztas	-.167	.028	-.089	.130	.017	.097	.234	.055	.169
topder	.092	.008	.033	-.132	.017	-.143	-.376	.142	-.115

Main:VVM_P-2.WK1 Second:CLUSTE-1.WK1 Graph:GRAPH.FIL Result: F4 Append Results

Vejetasyon Çevre İlişkileri - Analitik Değerlendirmeler



13-19 Ocak 2014/ ANTALYA

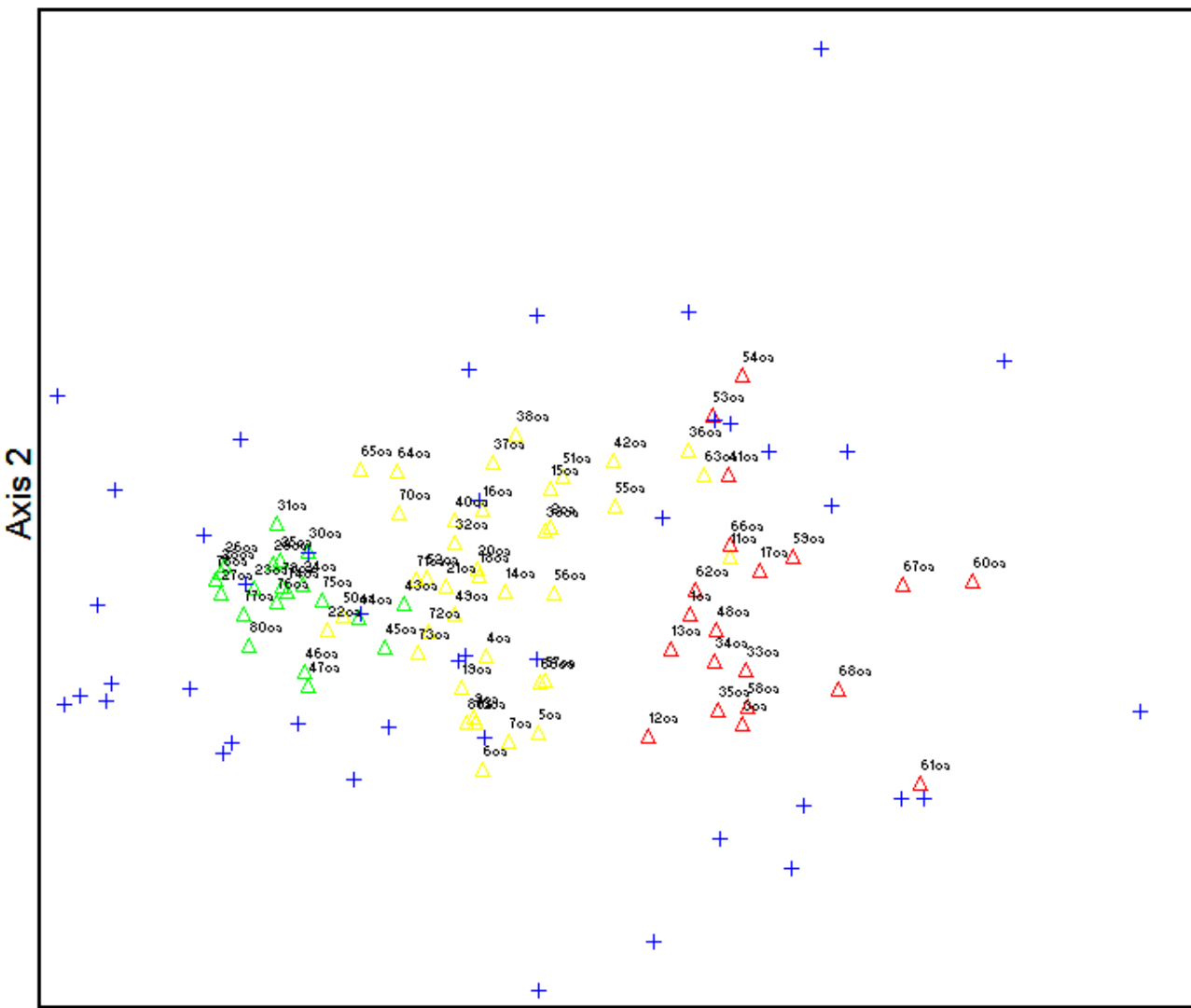


Cluster_jw_dort

- △ 1
- △ 2
- △ 3
- △ 4

Axis 1

Graph toolbar with icons for printing, zooming (Main, 2nd), a scatter plot with axes, a value of .200, a zoom-in icon, a zoom-out icon, a legend icon, a 'Raw' button, percentage and min/max buttons, a refresh button, and statistical summary buttons ($\Sigma 1$, $\Sigma 2$, r^2).

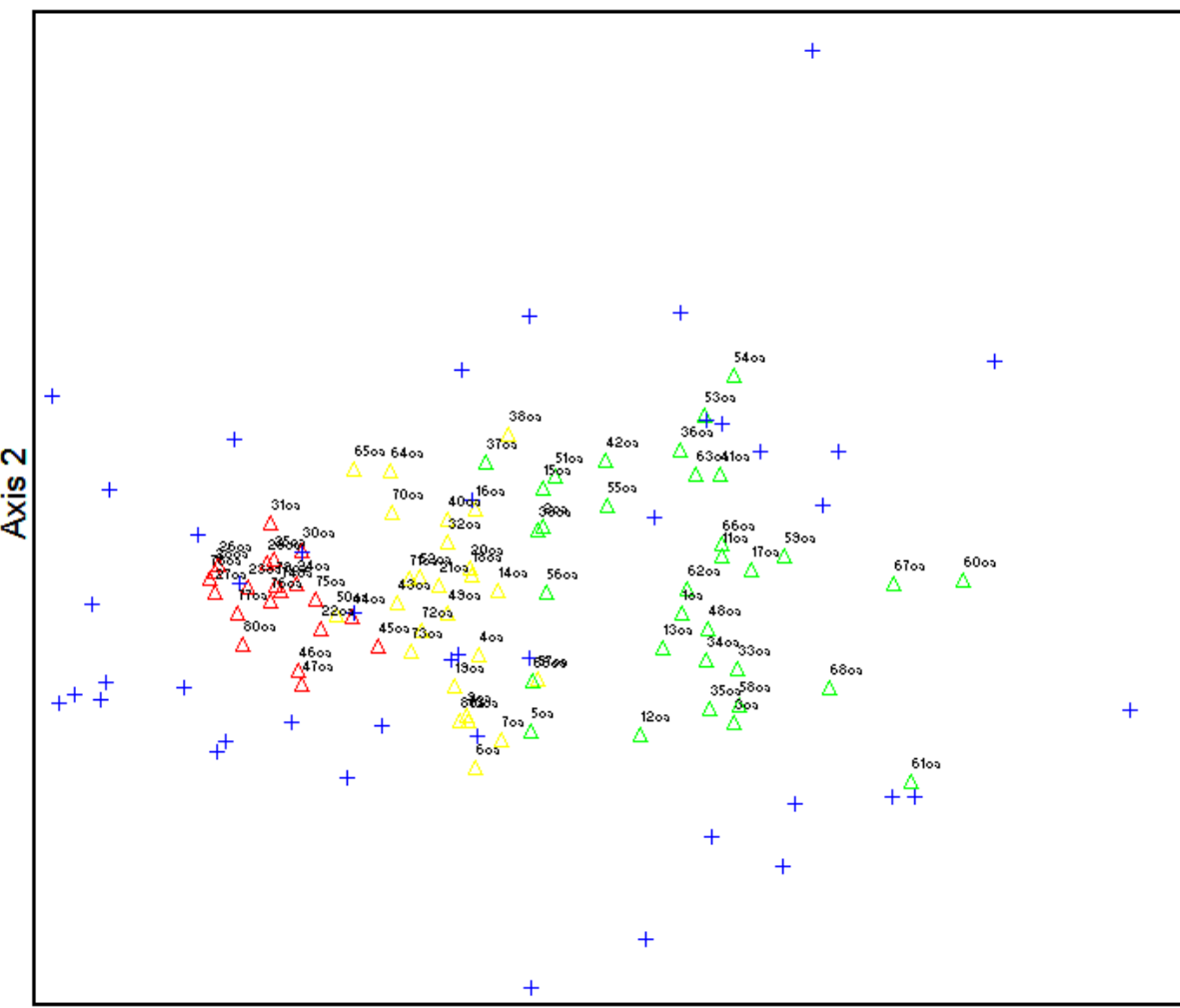


Cluster_jw_uc
△ 1
△ 2
△ 3

Axis 1

Axis 2

21 31 32


















TWINSpan 1
Indikator

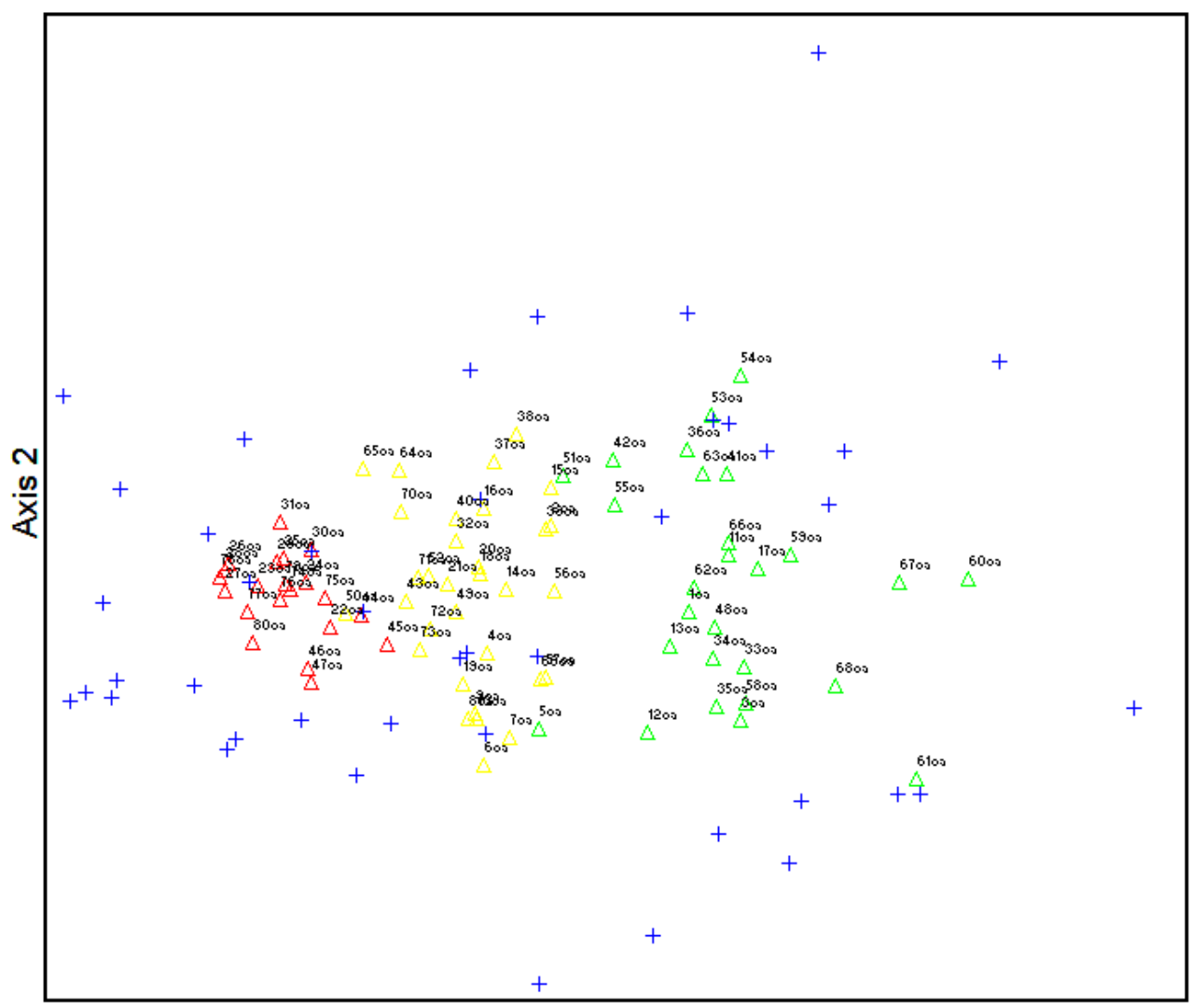
grup
 △ 1
 △ 2
 △ 3

PinBru
 ArbAnd
 MyrCom
 PisTer
 NerOle

PinNig
 JasFru

BerCra
 CedLib
 JunExc
 CotNum





.200



21 31 32

Raw

% Max

Min Max






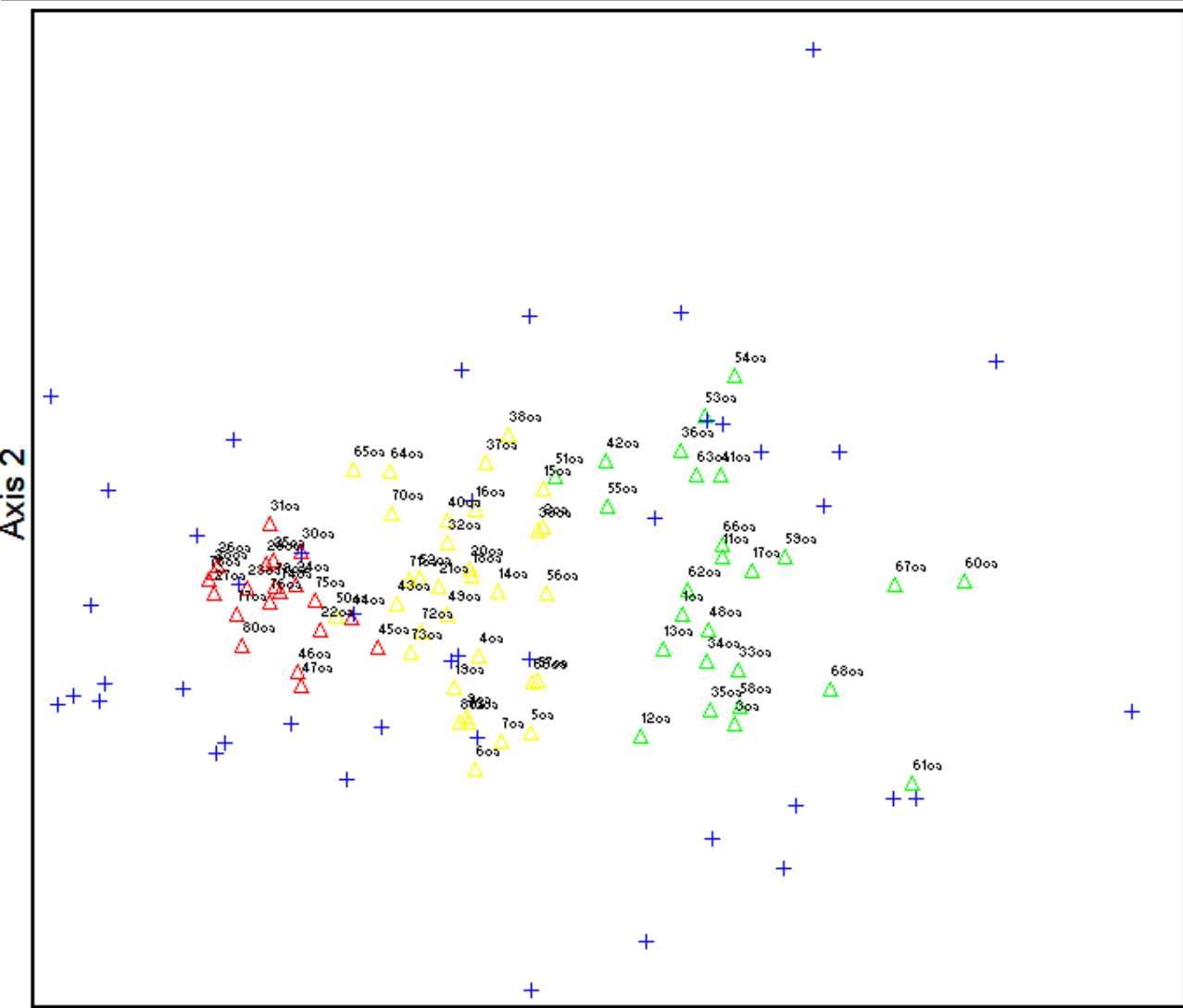


- grup
- △ 1
 - △ 2
 - △ 3

TWINSpan 3
indikator

- | | | |
|------------------------------------|---------------------------------------|--------------------------------------|
| ▲ | ▲ | ▲ |
| PinBru | PinNig | BerCra |
| ArbAnd | JasFru | CedLib |
| CotCog | JunExc | JunExc |
| MyrCom | | JunCom |
| PisTer | | CotNum |
| NerOle | | DapOle |
| | | RosCan |

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



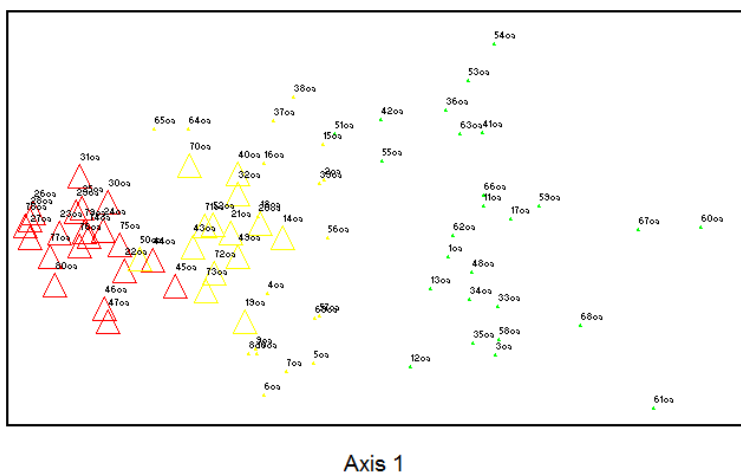
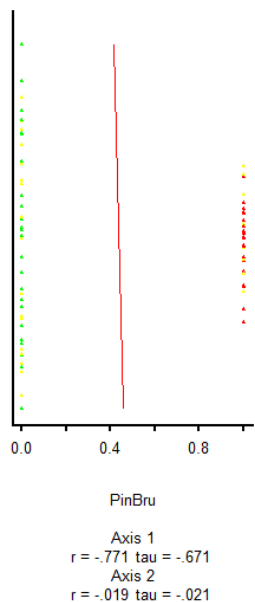
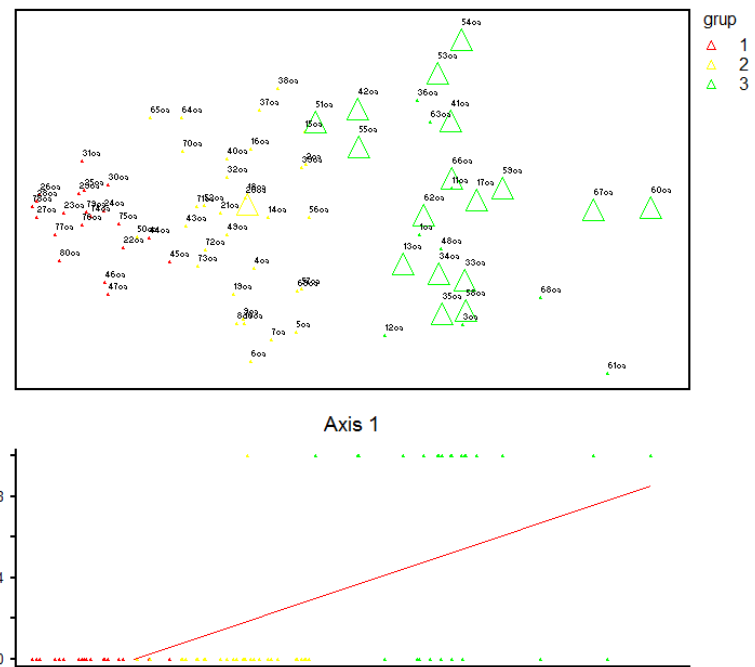
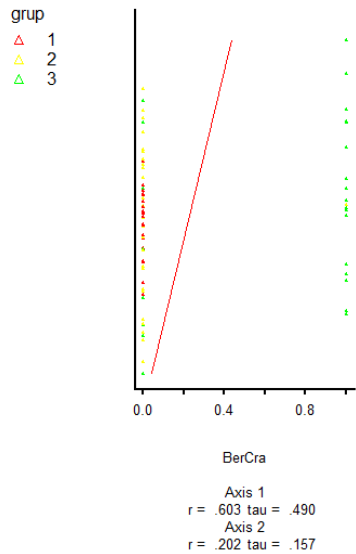
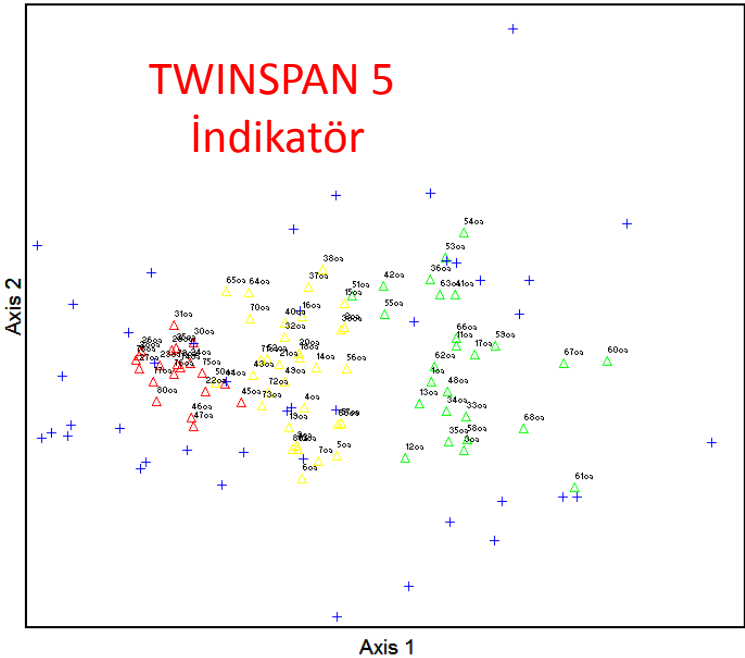
grup

- △ 1
- △ 2
- △ 3

TWINSPAN 5
Indikator

▲	▲	▲
ArbAnd	CraOri	BerCra
CotCog	JasFru	CedLib
MryCom	JunExc	CotNum
CisSal	PinNig	JunCom
NerOle		JunExc
PinBru		
PisTer		
Quellx		
VitAgn		

TWINSPAN 5 Indikator





13-19 Ocak 2014/ ANTALYA

TEŞEKKÜRLER

