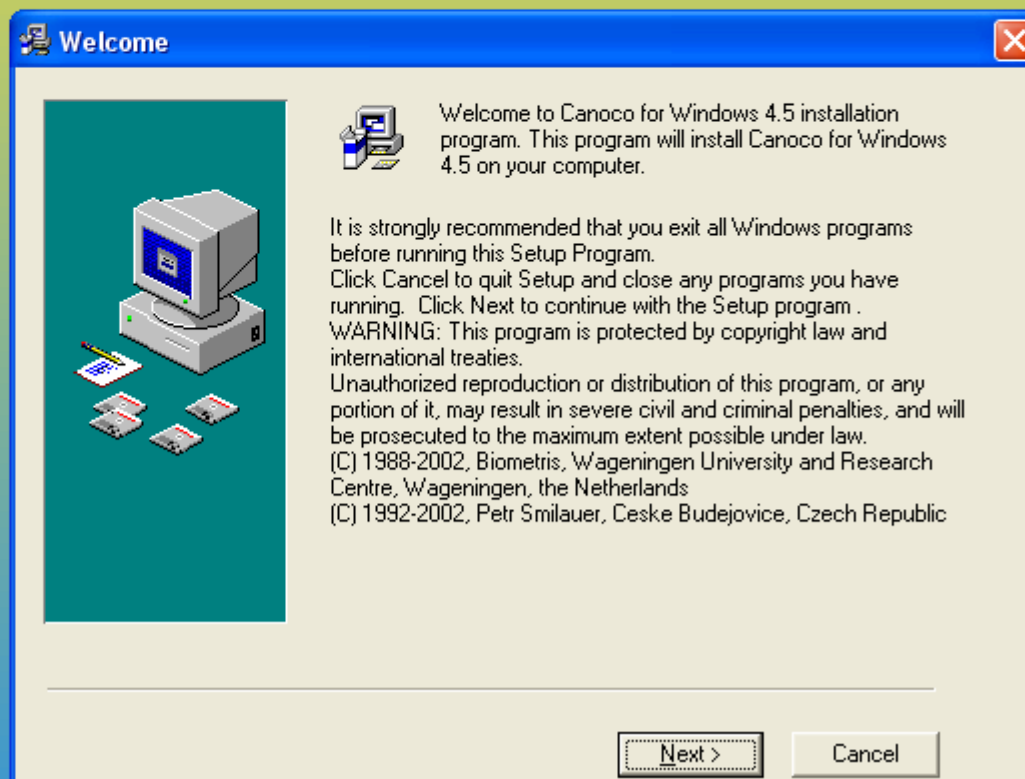


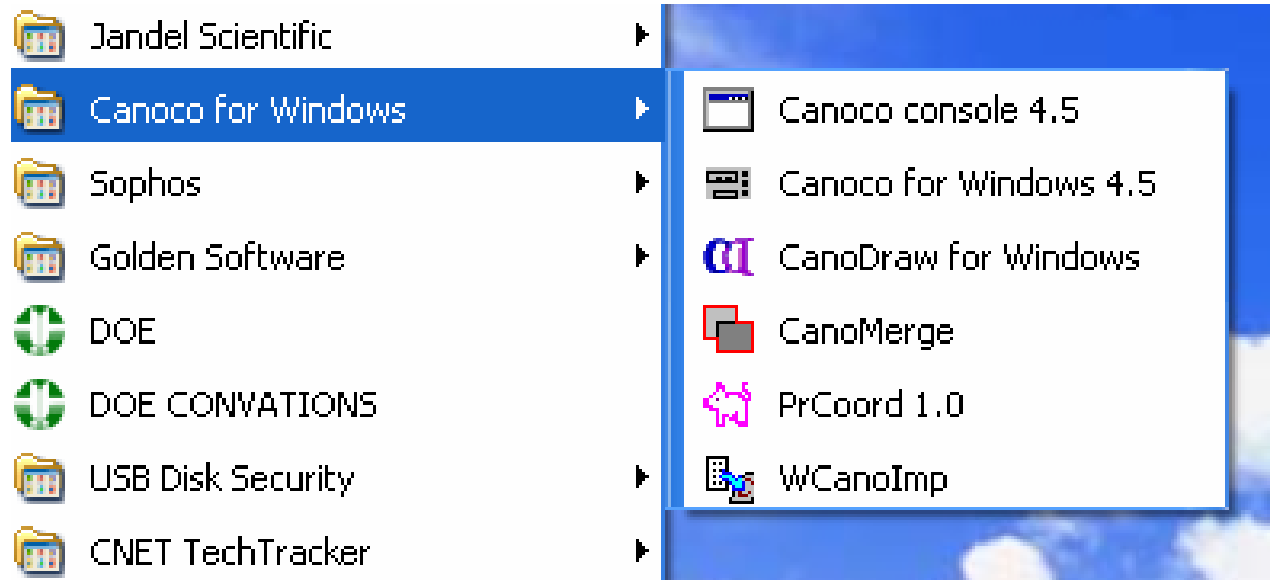


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
وَأَنْتَ يَا مُحَمَّدُ
أَنْتَ يَا مُحَمَّدُ
أَنْتَ يَا مُحَمَّدُ

ادامه فصل ۳ :

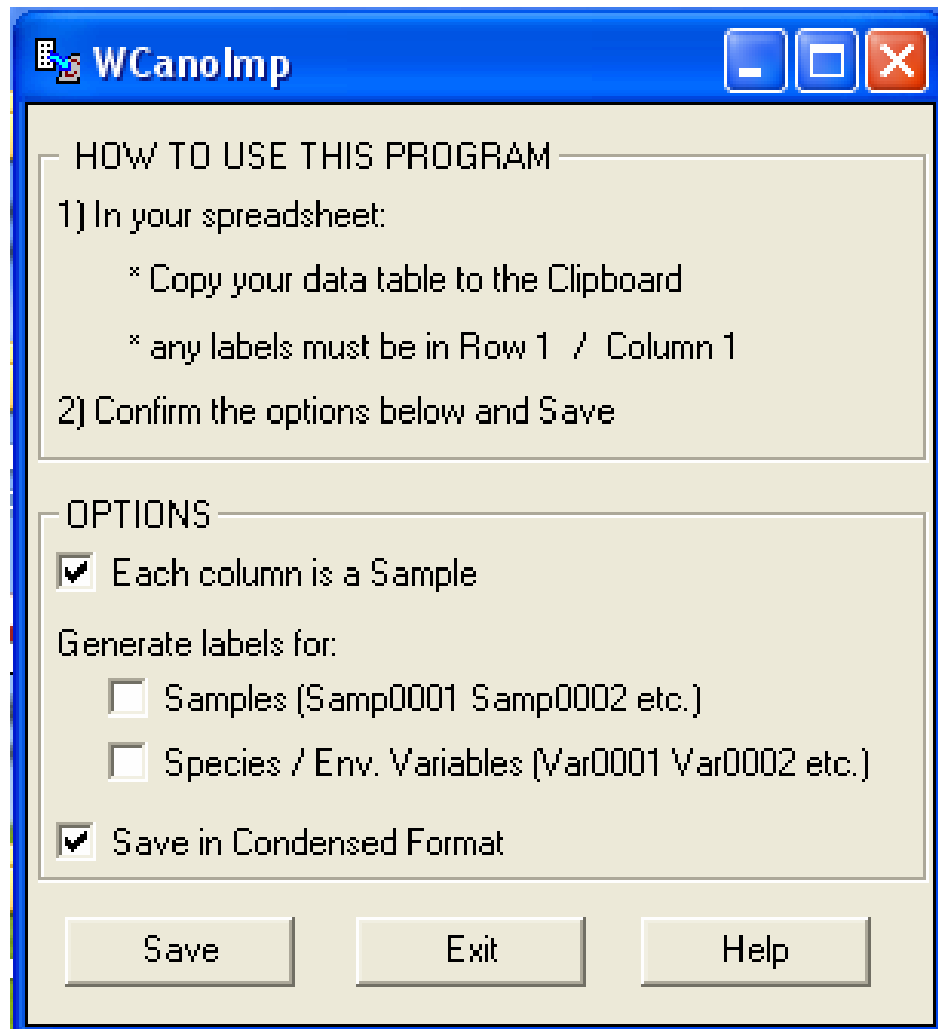
آشنایی با نرم افزار Canoco 4.5





- Jandel Scientific
- Canoco for Windows
- Sophos
- Golden Software
- DOE
- DOE CONVATIONS
- USB Disk Security
- CNET TechTracker


- Canoco console 4.5
- Canoco for Windows 4.5
- CanoDraw for Windows
- CanoMerge
- PrCoord 1.0
- WCanoImp




	A	B	C	D	E	F	G
1	site	s1	s2	s3	s4	s5	
2	ap	471/29	520/78	491/82	499/21	384/11	
3	at	9/65	9/2	9/44	9/38	10/36	
4	fd	142/36	150/6	145/84	147	128/09	
5	ld	138	131	129	136	145	
6	t	1874/29	1801/25	1840/28	1830/54	19888/4	
7	et	1324	1283/22	1307/16	1301/03	1396/45	
8	ia	23/98	27/12	25/29	25/75	18/86	
9	q	27/16	30/82	28/66	29/22	22/2	
10	ma	35/78	34/65	35/3	35/13	37/75	
11	mi	-26/73	-26/31	-26/55	-26/49	-24	
12	OM	3/36	3/35	2/84	3/97	3/02	
13	cac03	20/5	67/93	20/27	47/23	11/16	
14	sd	10/5	15/13	4/75	21/11	9/32	
15	cy	39/86	39/01	40/47	34/93	37/7	
16	gl	51/66	41	29/54	40/61	41	
17	ph	7/78	7/82	7/72	8	7/89	
18	Ec	0/53	0/57	0/58	0/41	0/58	
19	k	1/17	1/35	1/99	1/58	0/76	
20	ca	5/6	6/2	4/36	5/6	12/8	
21	elv	2448	2590	2508	2529	2202	
22	N	0	0	0	1	0	
23	S	0	0	0	0	1	
24	W	1	0	0	0	0	
25	E	0	1	0	0	0	

Canoco for Windows

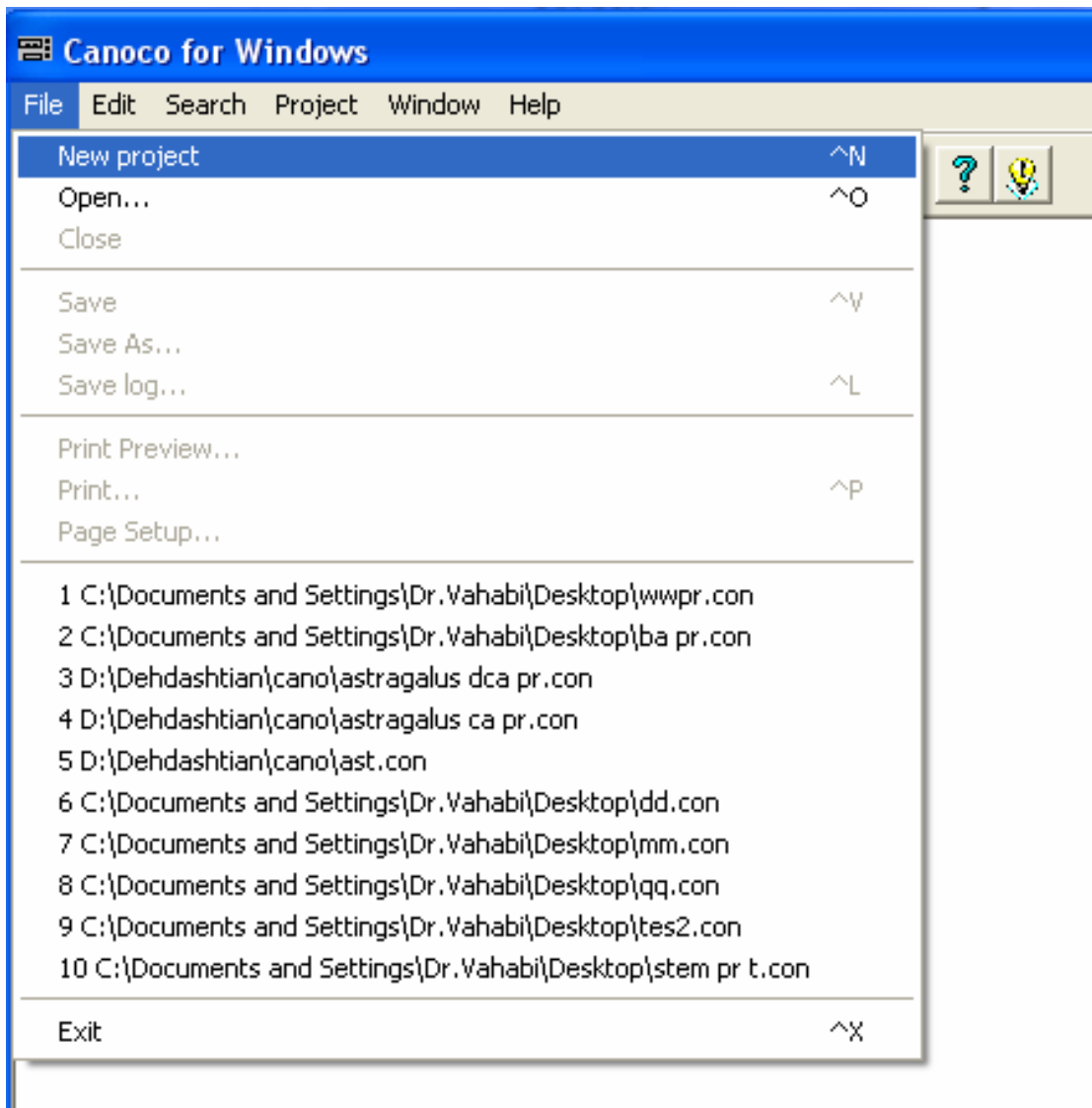
File Edit Search Project Window Help

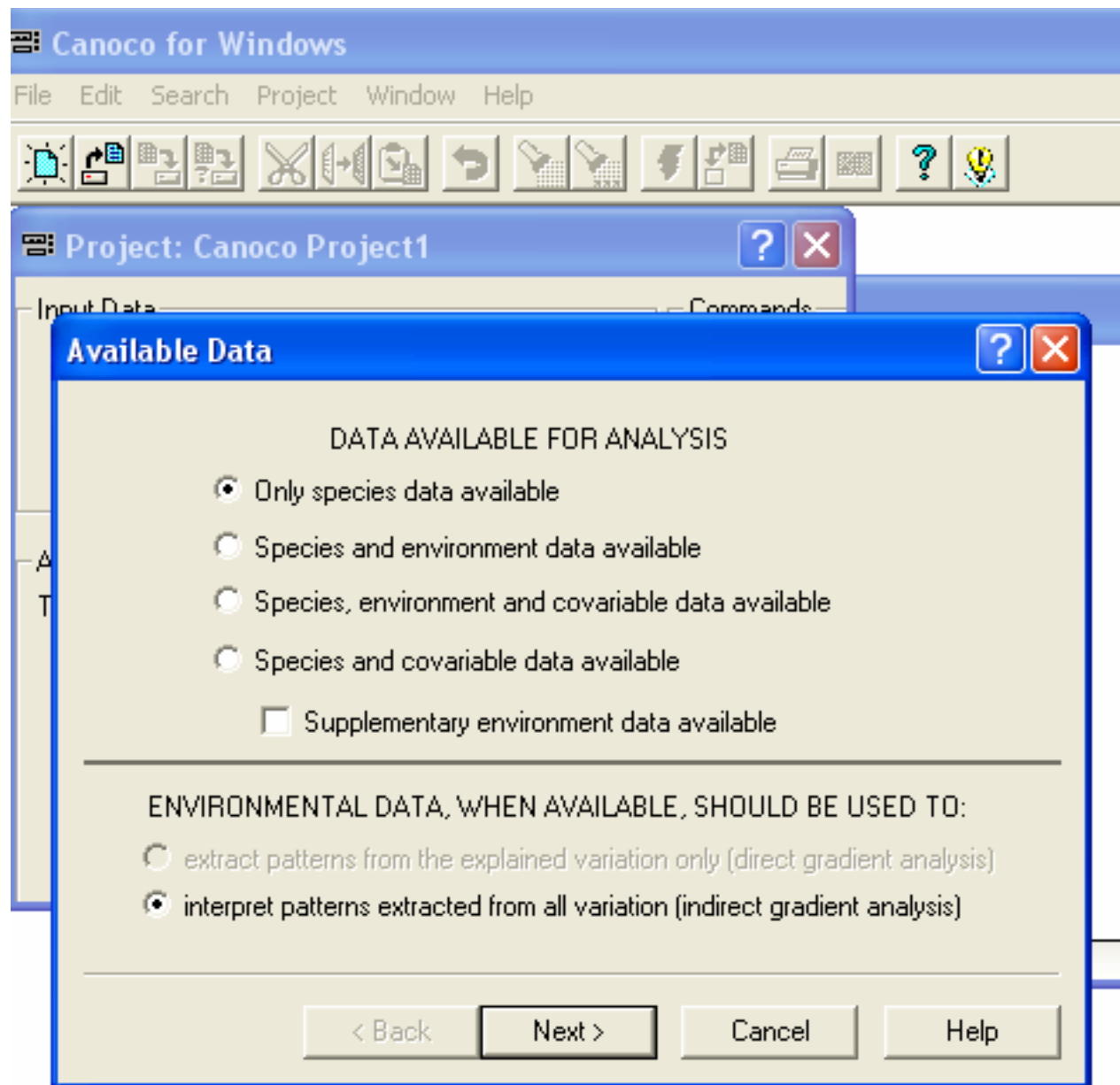
Tip of the Day 

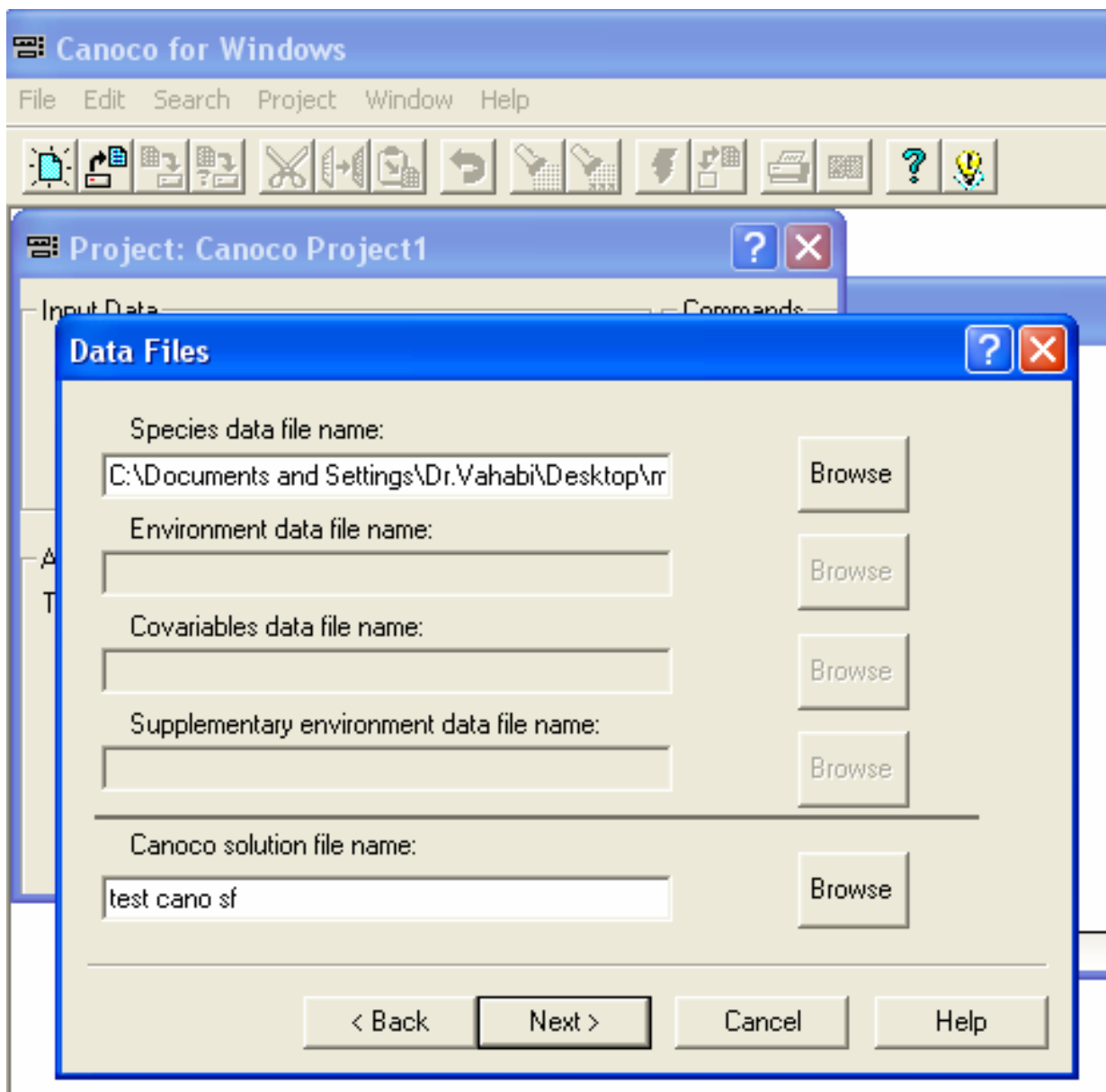
 **Did you know that...**

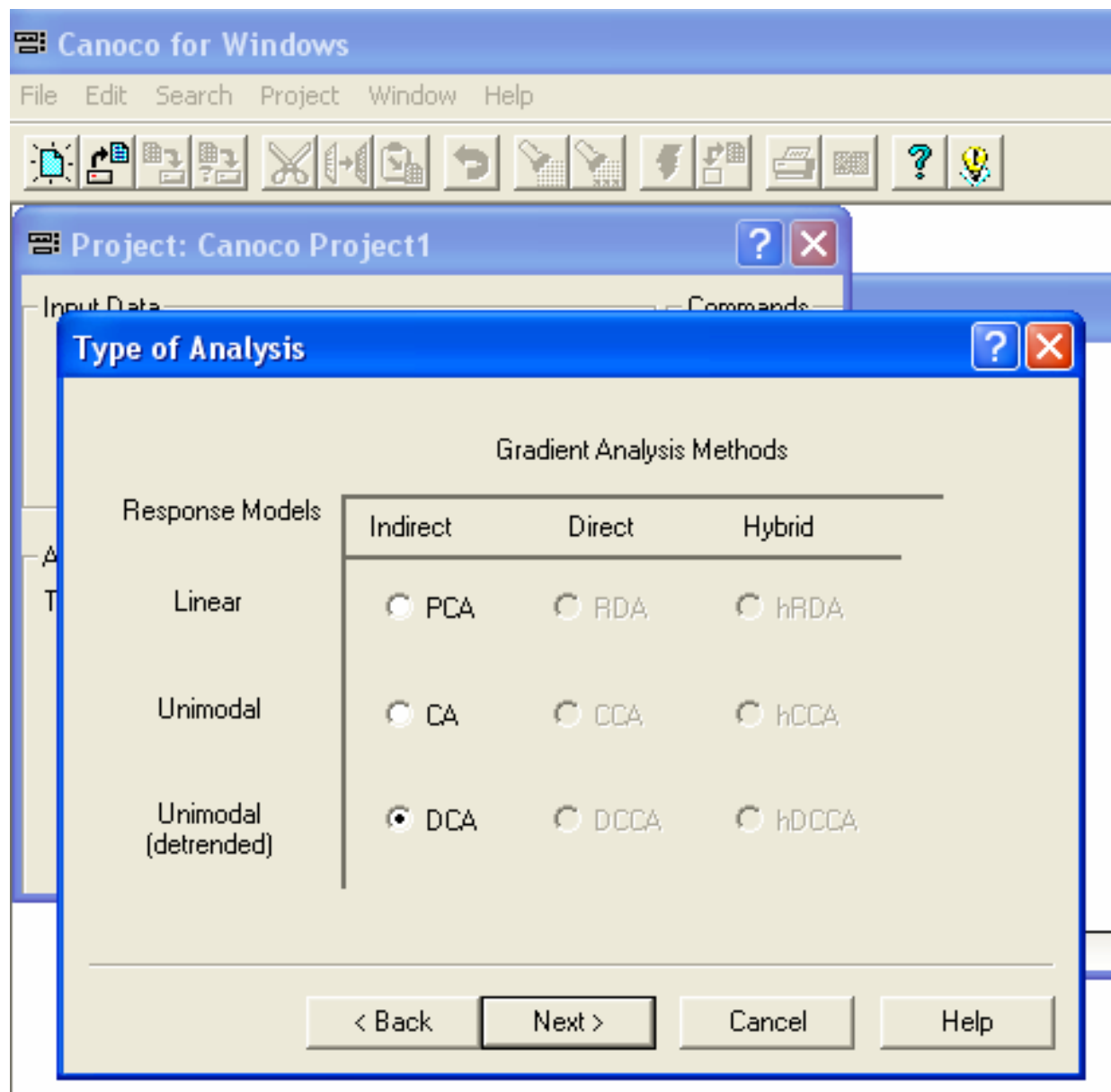
If you want to print the contents of the analysis log, some lines from the CANOCO output are too long to fit into the page width. To get a complete printout, select the Landscape page orientation in the File / Print setup dialog box.

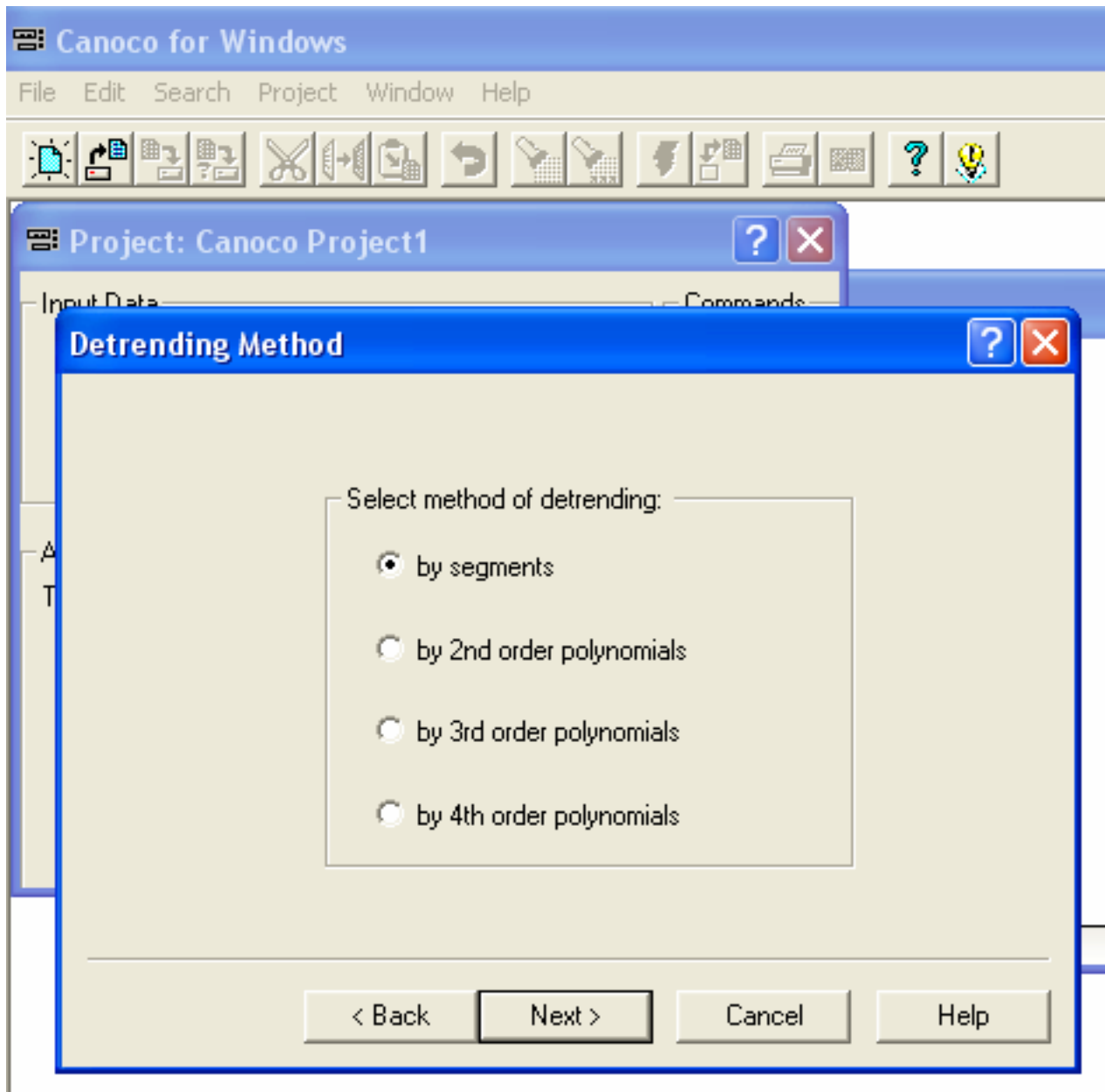
Show tips at startup

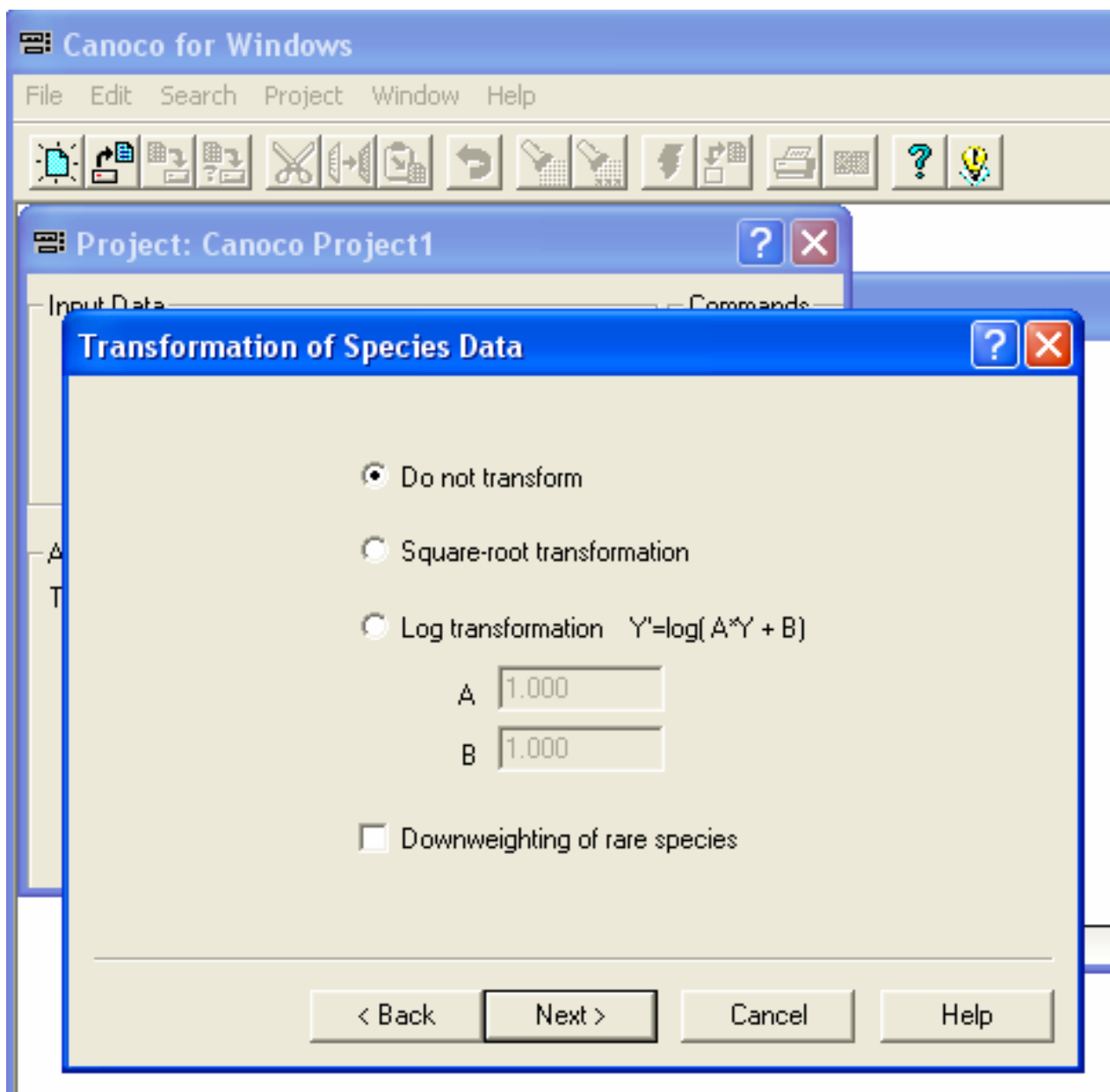


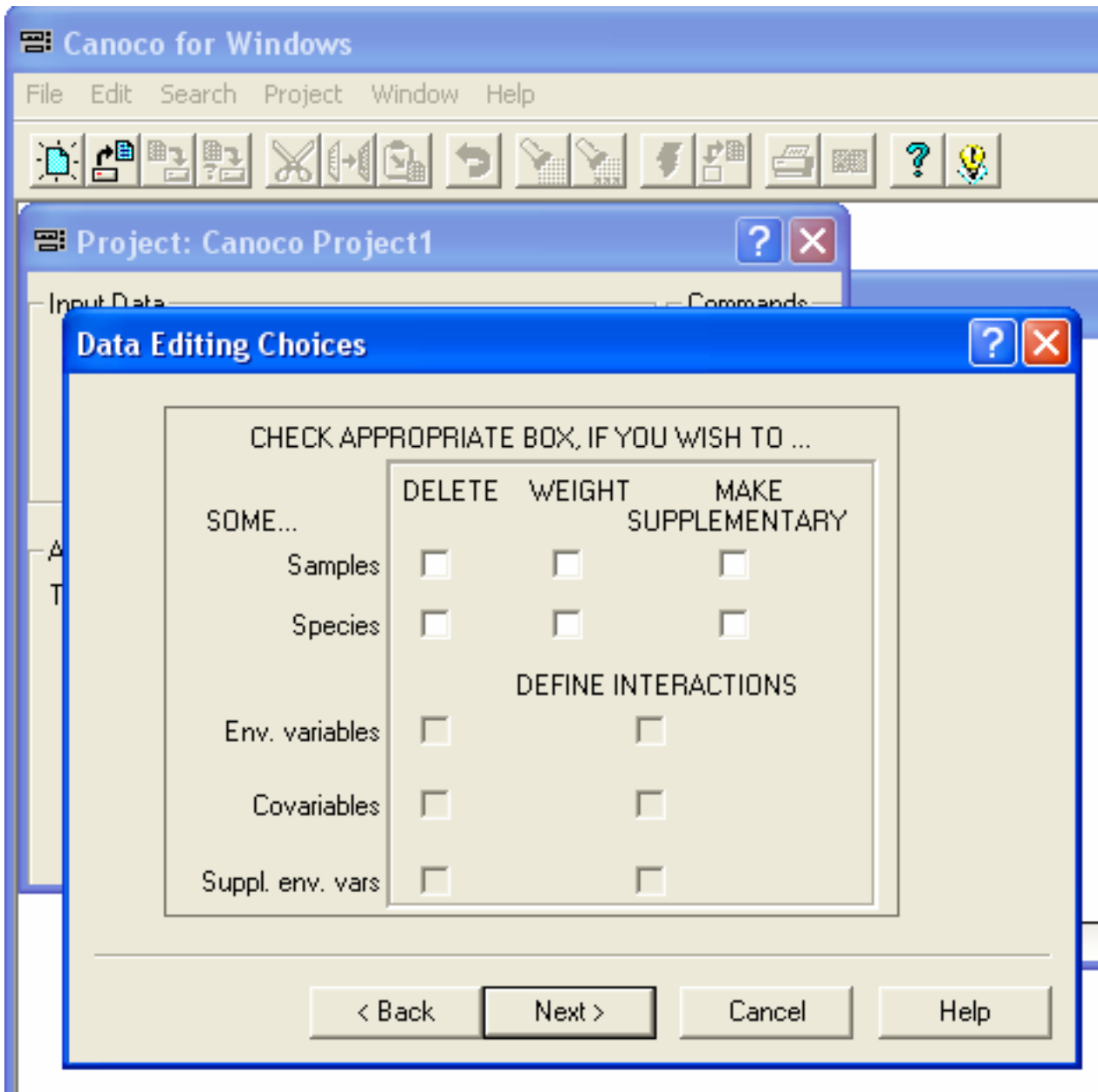


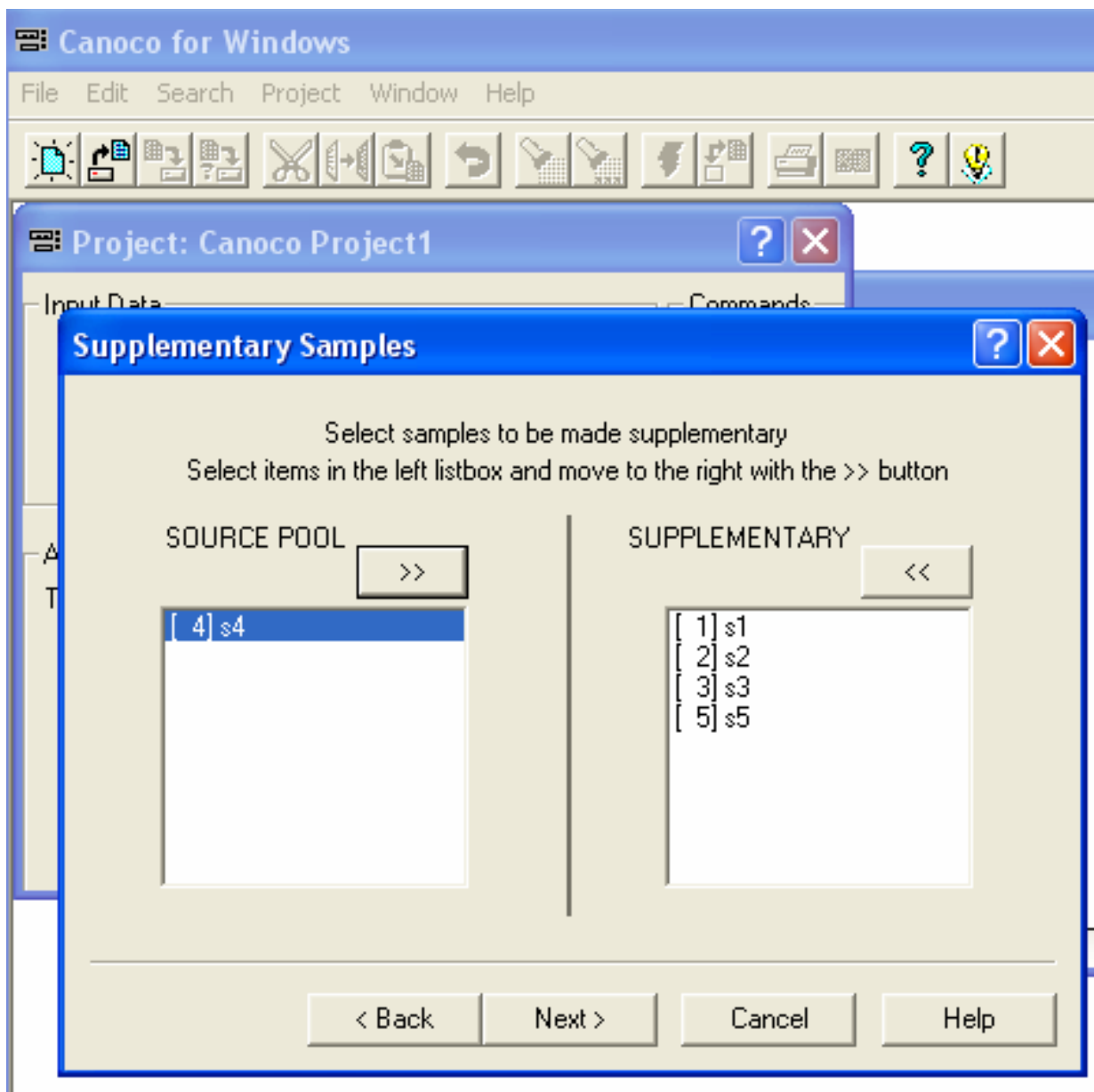


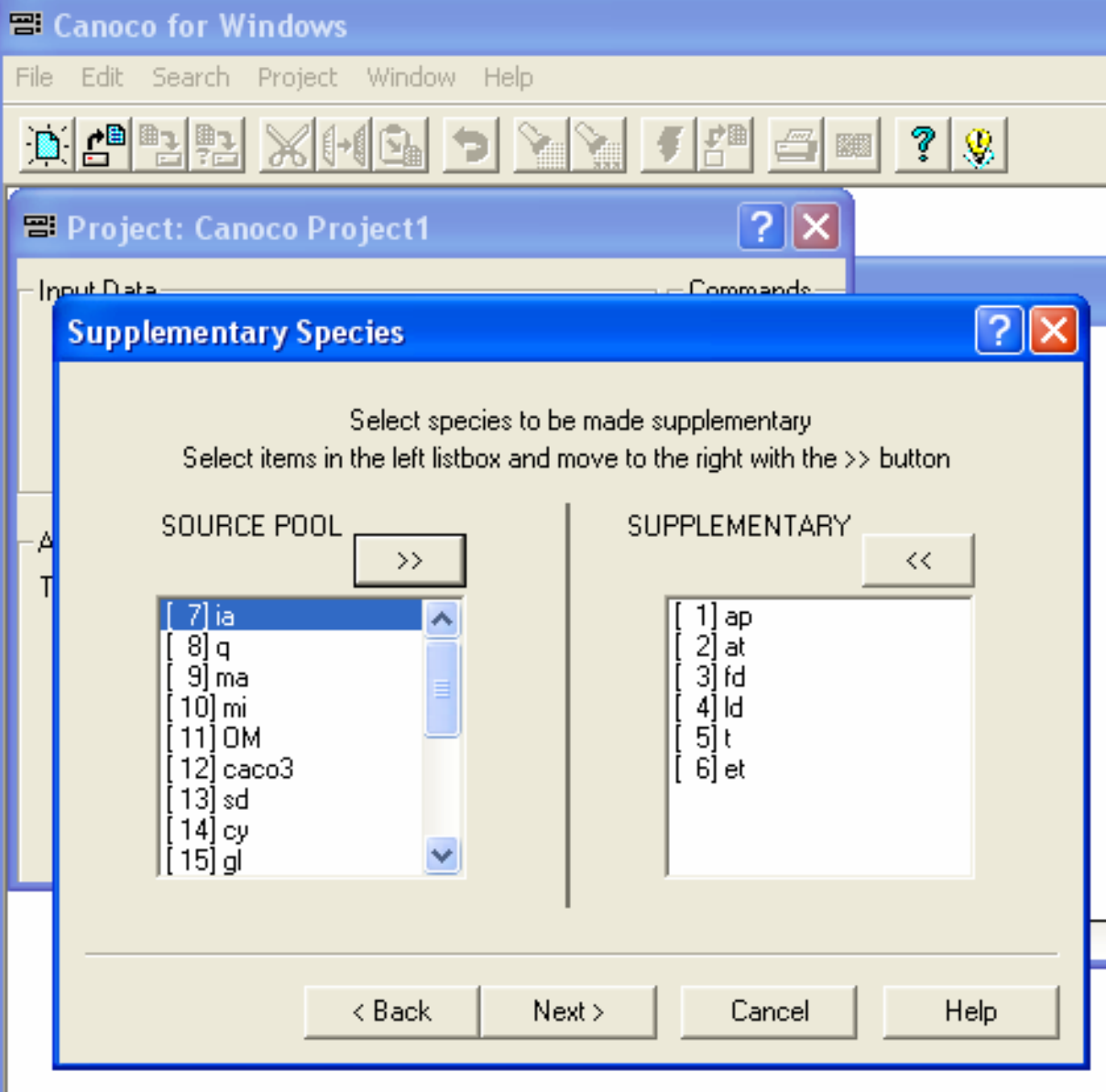


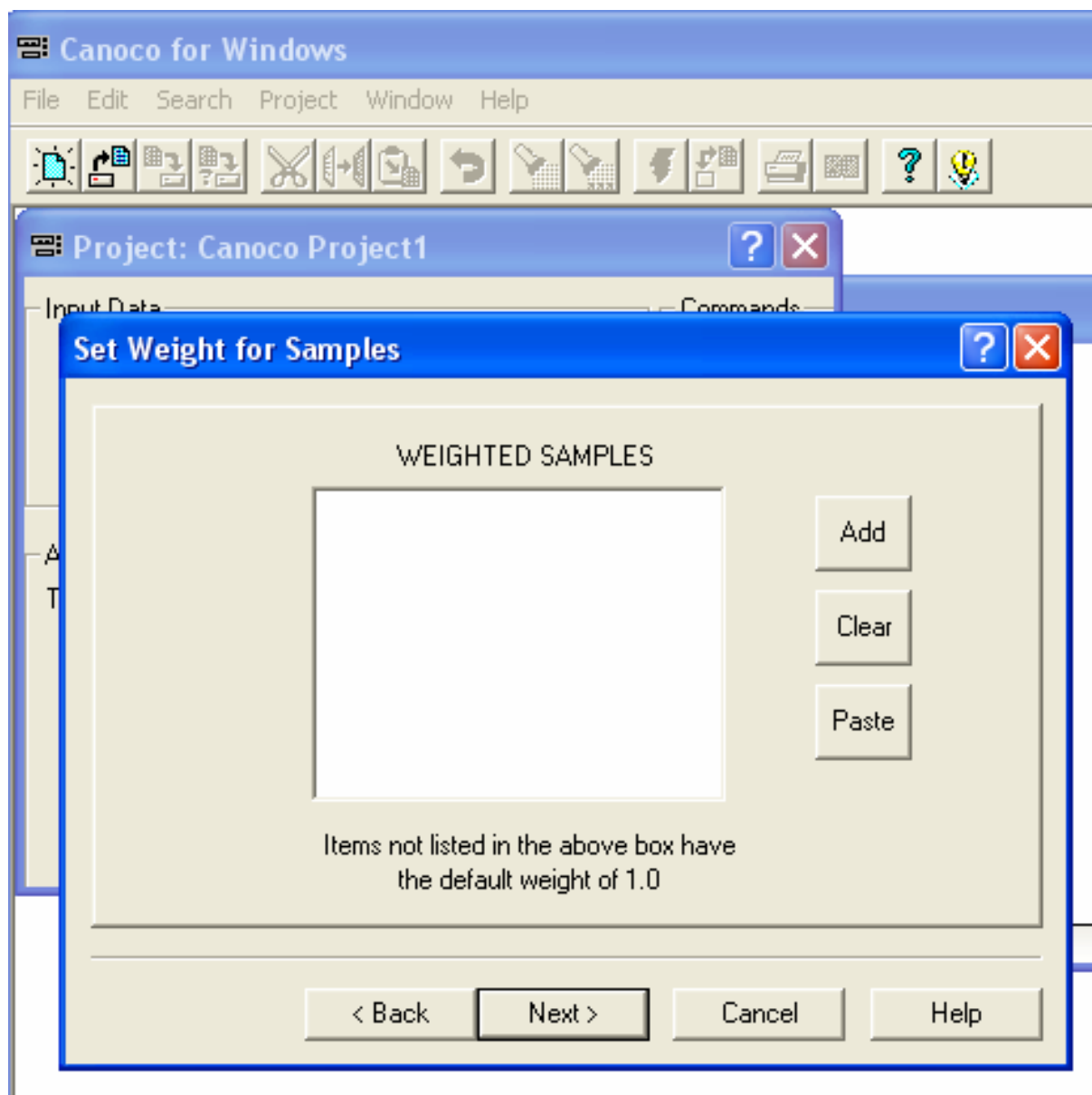


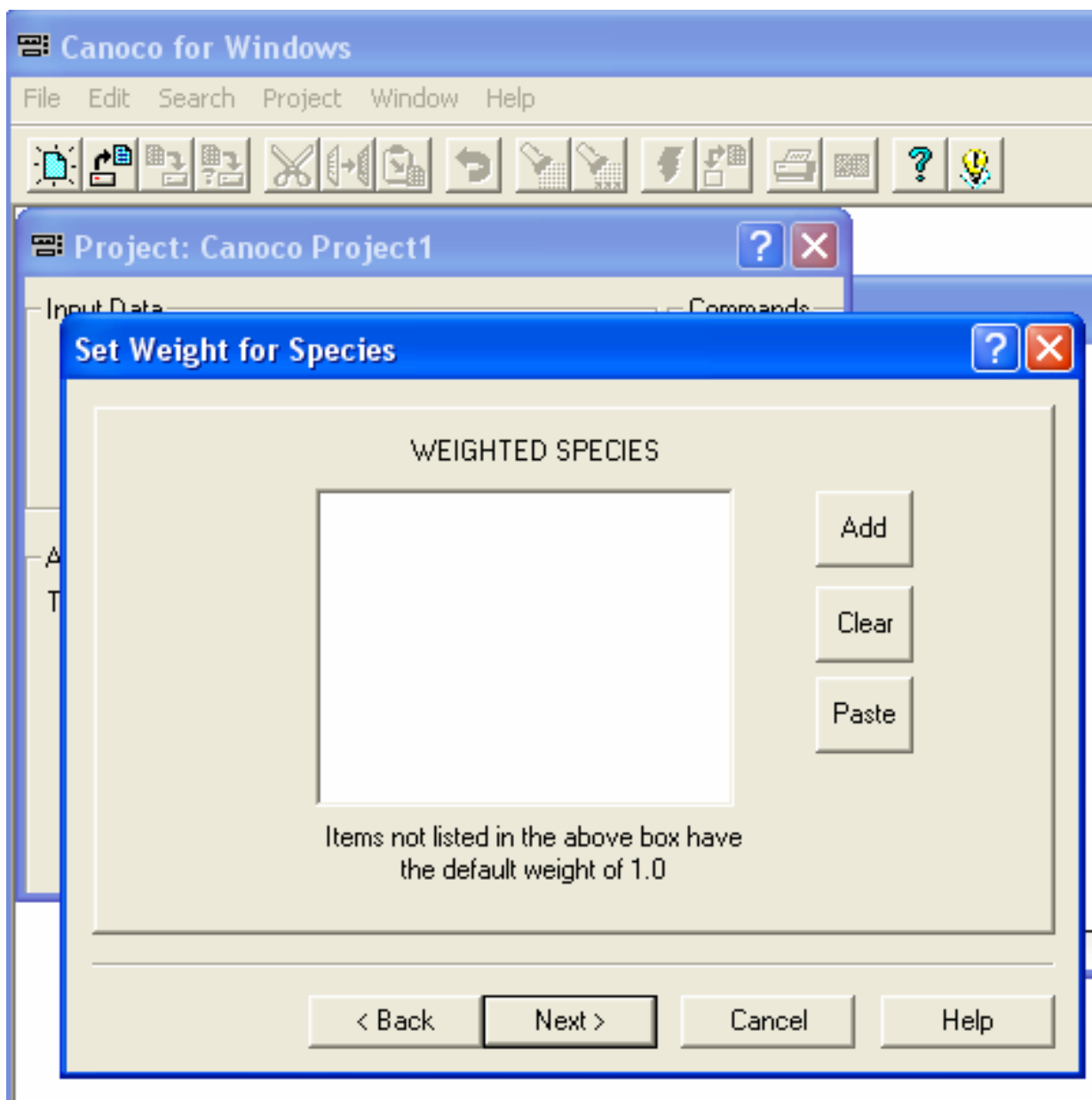


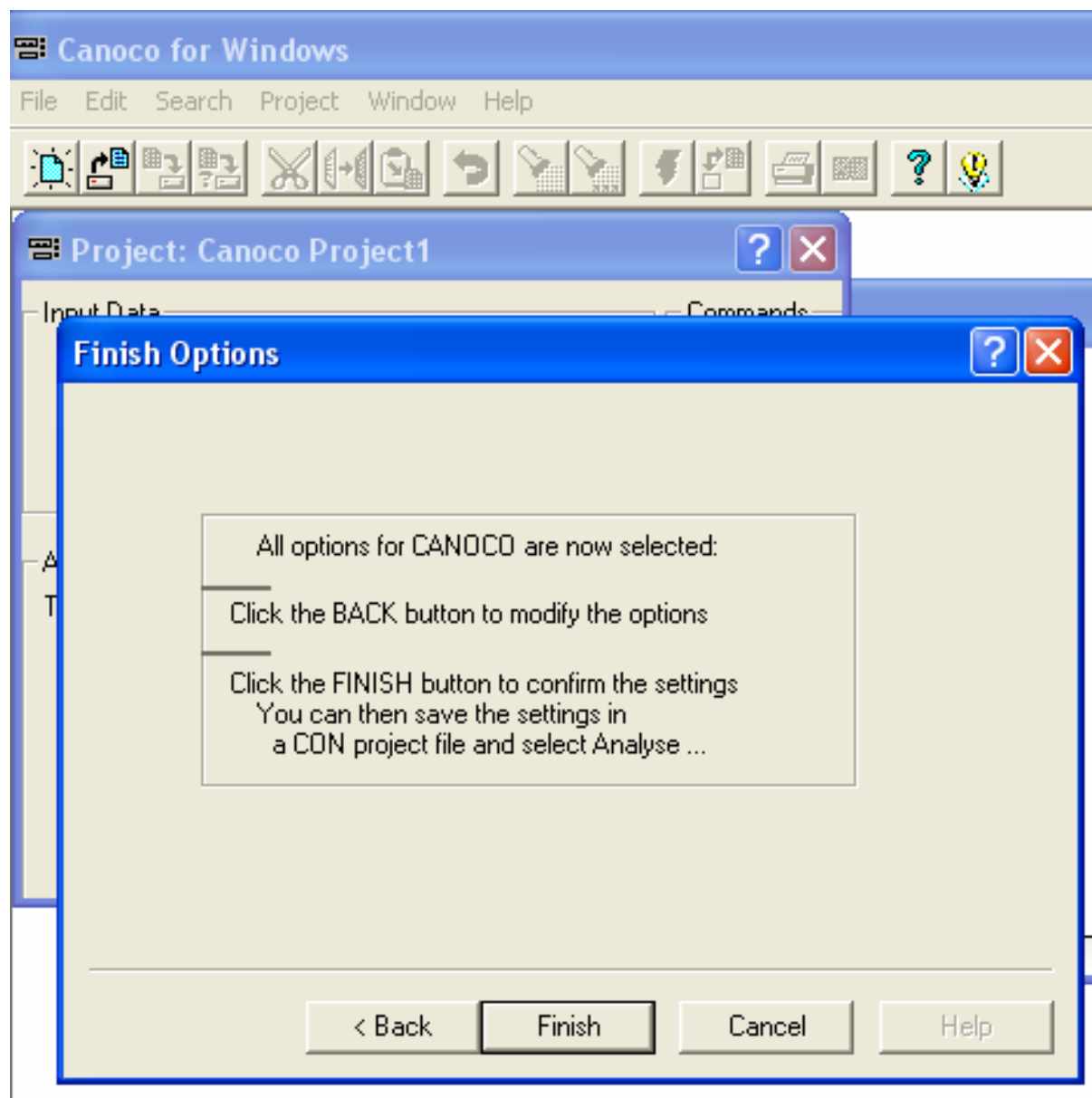


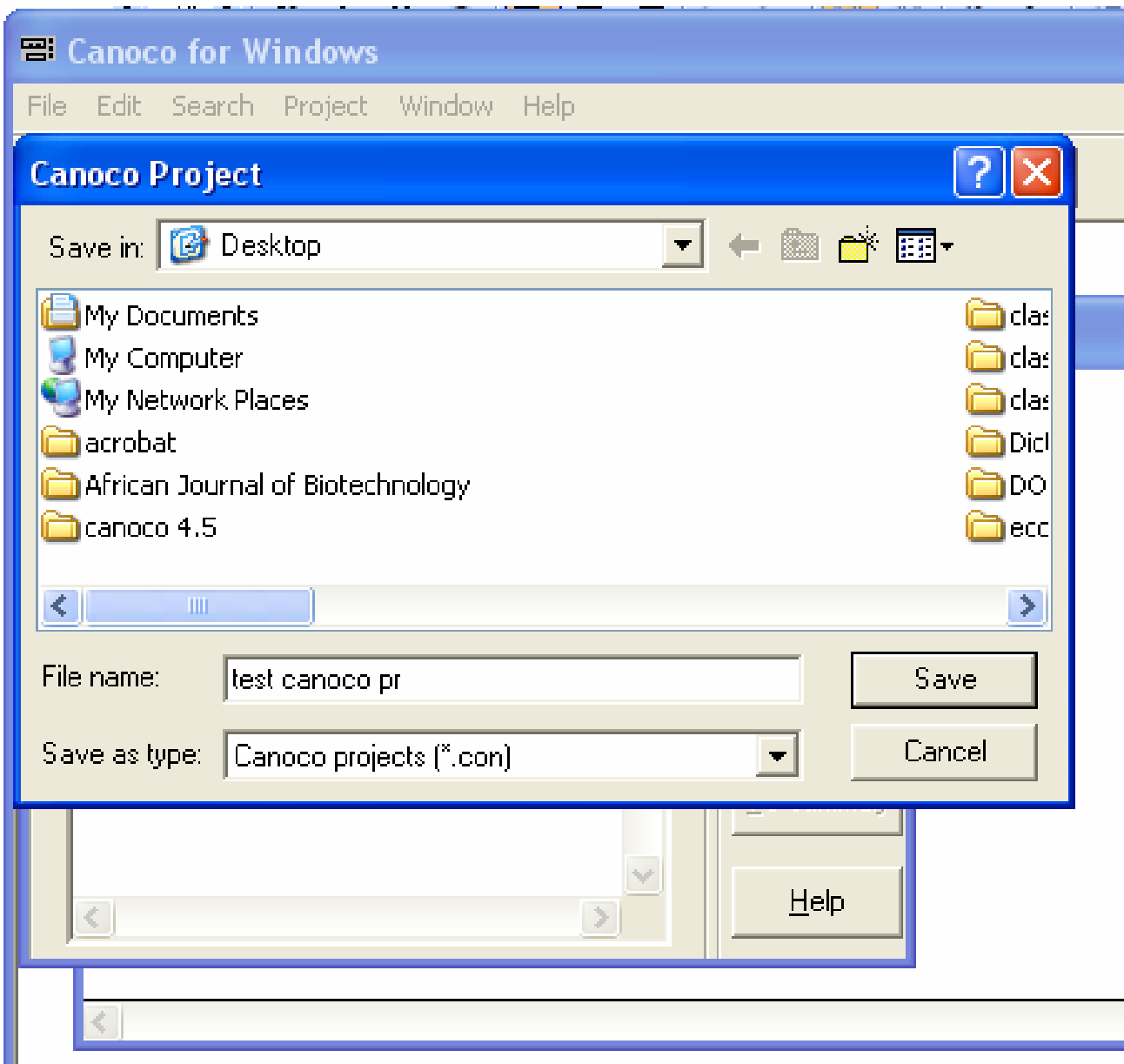


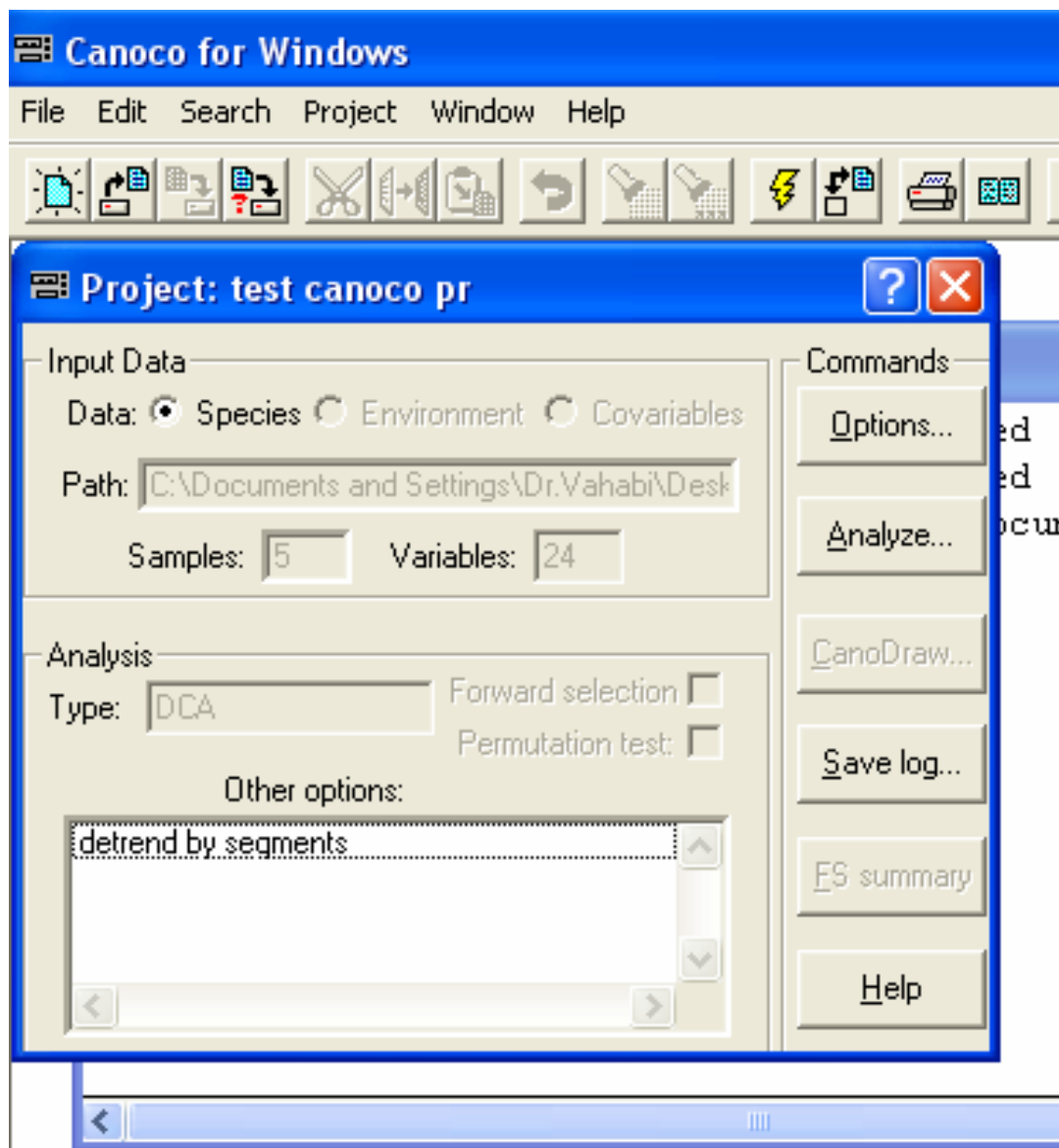


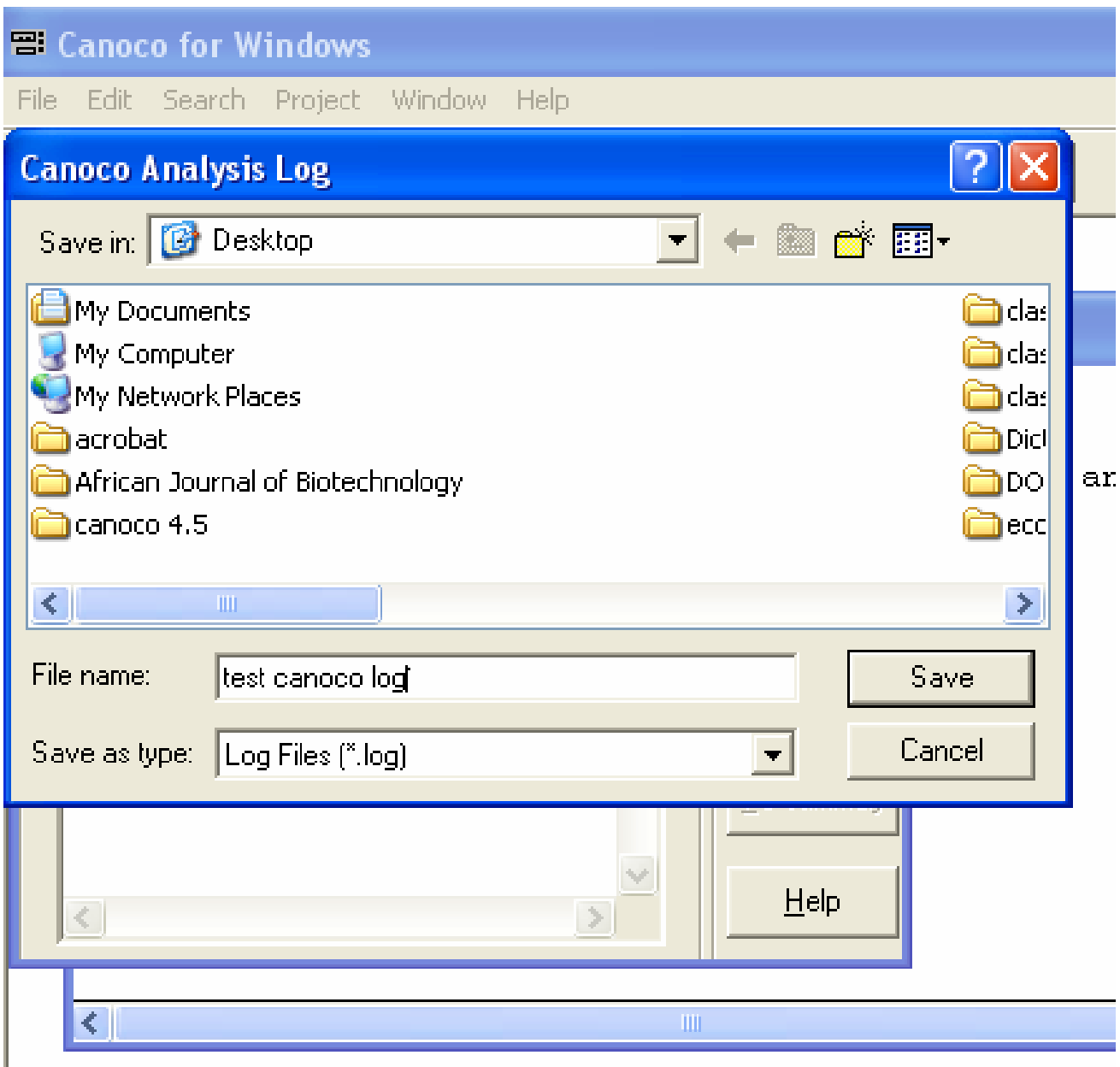












Canoco for Windows

File Edit Search Project Window Help

Project: test canoco pr

Input Data
 Data: Species Environment Covariables
 Path: D:\Affifian\Canoco analysis\matrix chemical
 Samples: 5 Variables: 18

Analysis
 Type: DCA Forward selection
 Permutation test:
 Other options:
 detrend by segments


Commands
 Options...
 Analyze...
 CanoDraw...
 Save log...
 FS summary
 Help

	1	2	3	4	Total i
0.061	0.006	0.000	0.000		
0.588	0.281	0.000	0.000		
0.000	0.000	0.000	0.000		
79.5	86.7	0.0	0.0		
79.4	96.9	0.0	0.0		

Help succeeded

Canoco for Windows

File Edit Search Project Window Help



Project: test canoco pr

Input Data

Data: Species Environment Covariables

Path: D:\Affifian\Canoco analysis\matrix chemical

Samples: 5 Variables: 18

Commands

Options... Analyze...

0.061	0.006	0.000	0.000
0.588	0.281	0.000	0.000
0.000	0.000	0.000	0.000

Analysis

Type: DCA Forward selection Permutation test:

Other options:

detrend by segments

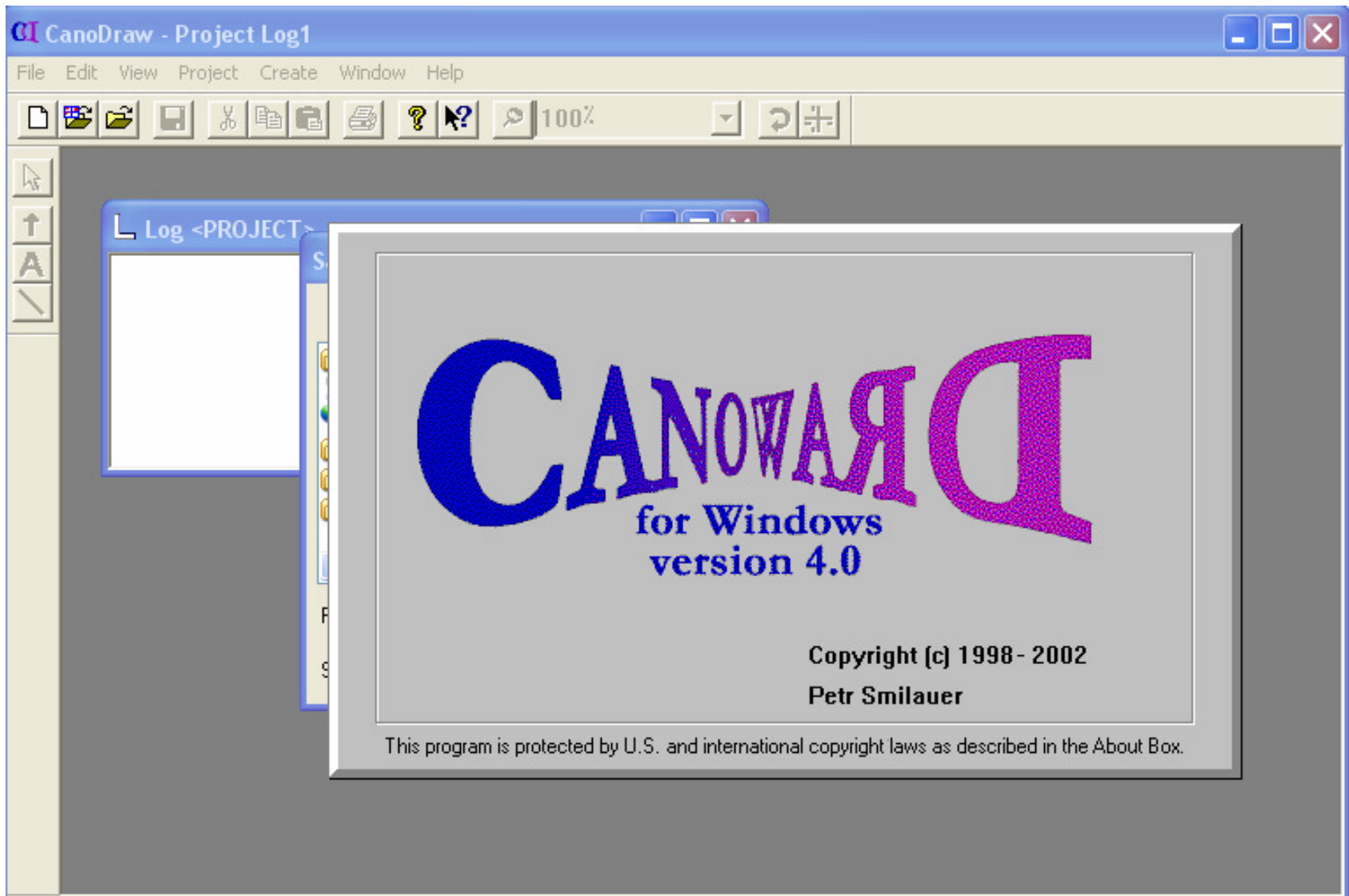
Help

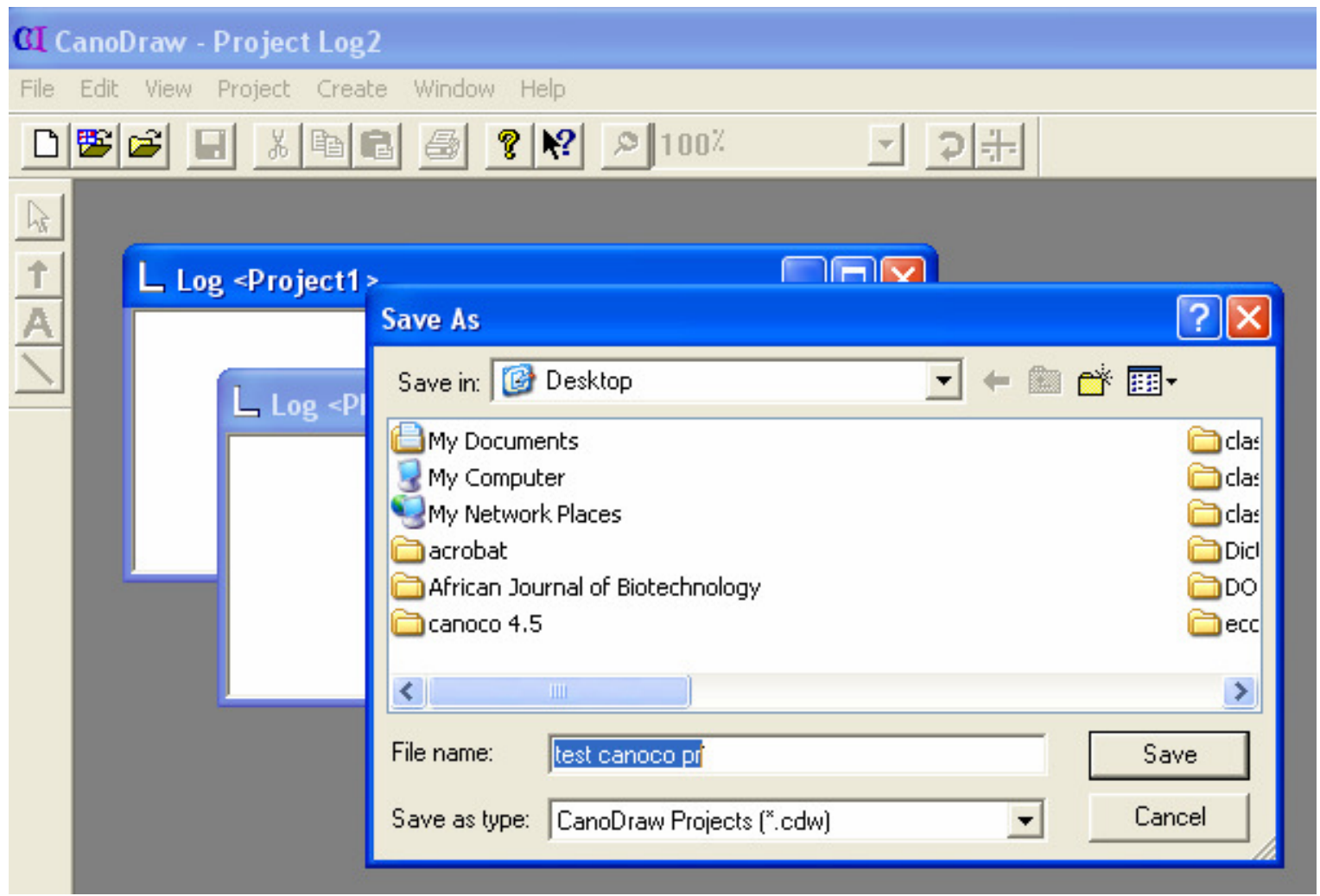
Documents and Settings\Dr.Vahabi\Desktop

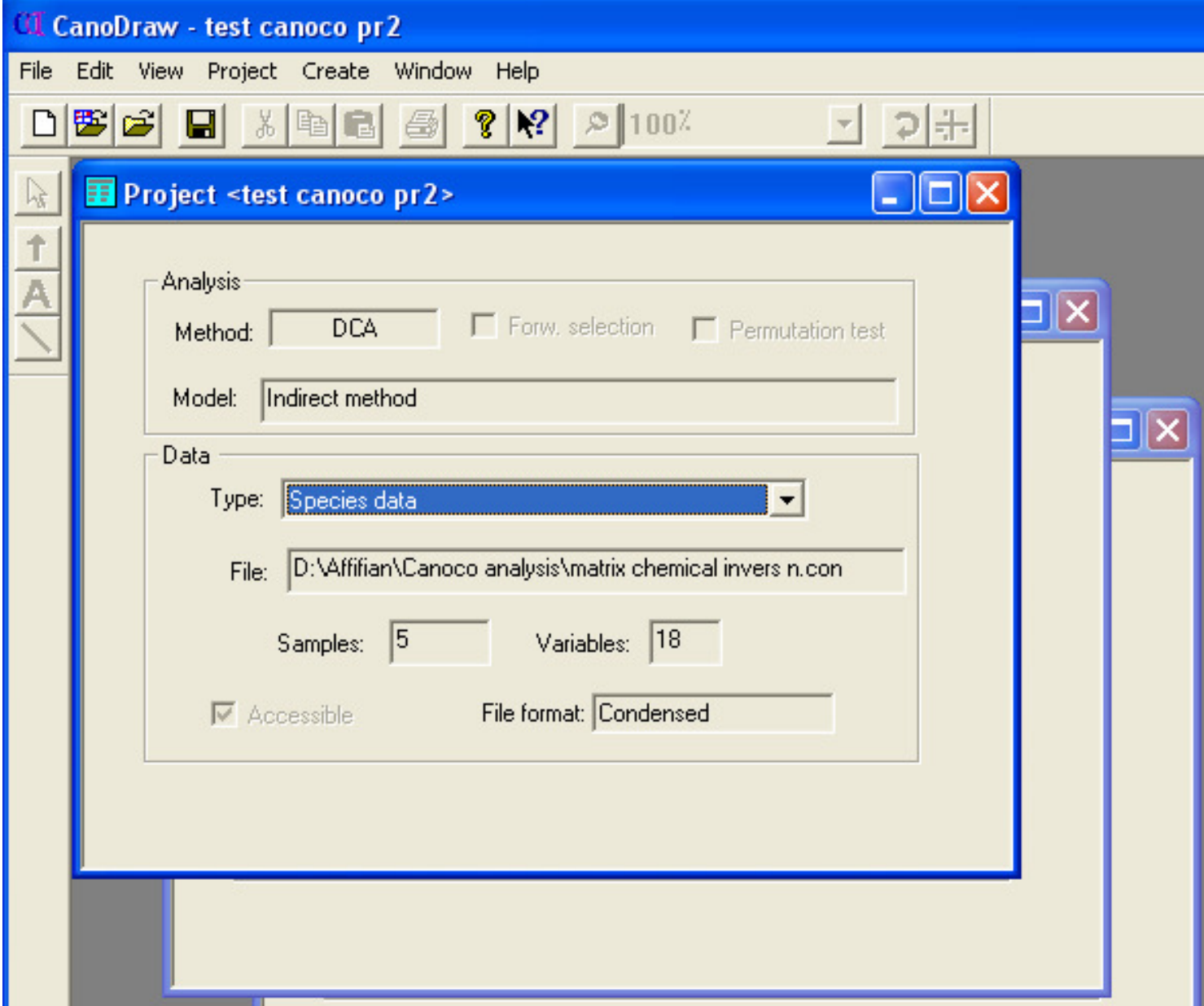
Canoco for Windows

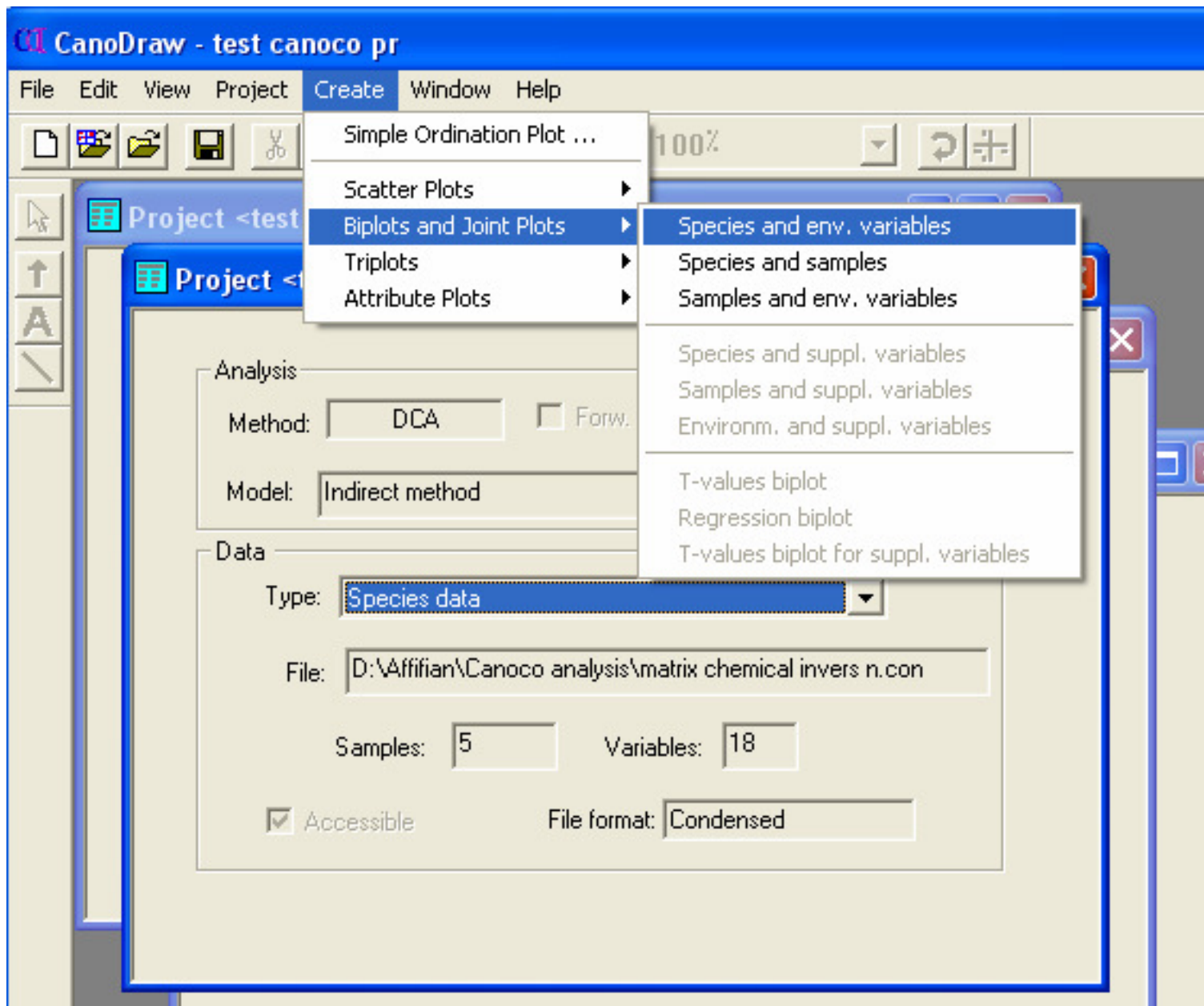
Solution file used in this project already exists - overwrite it?

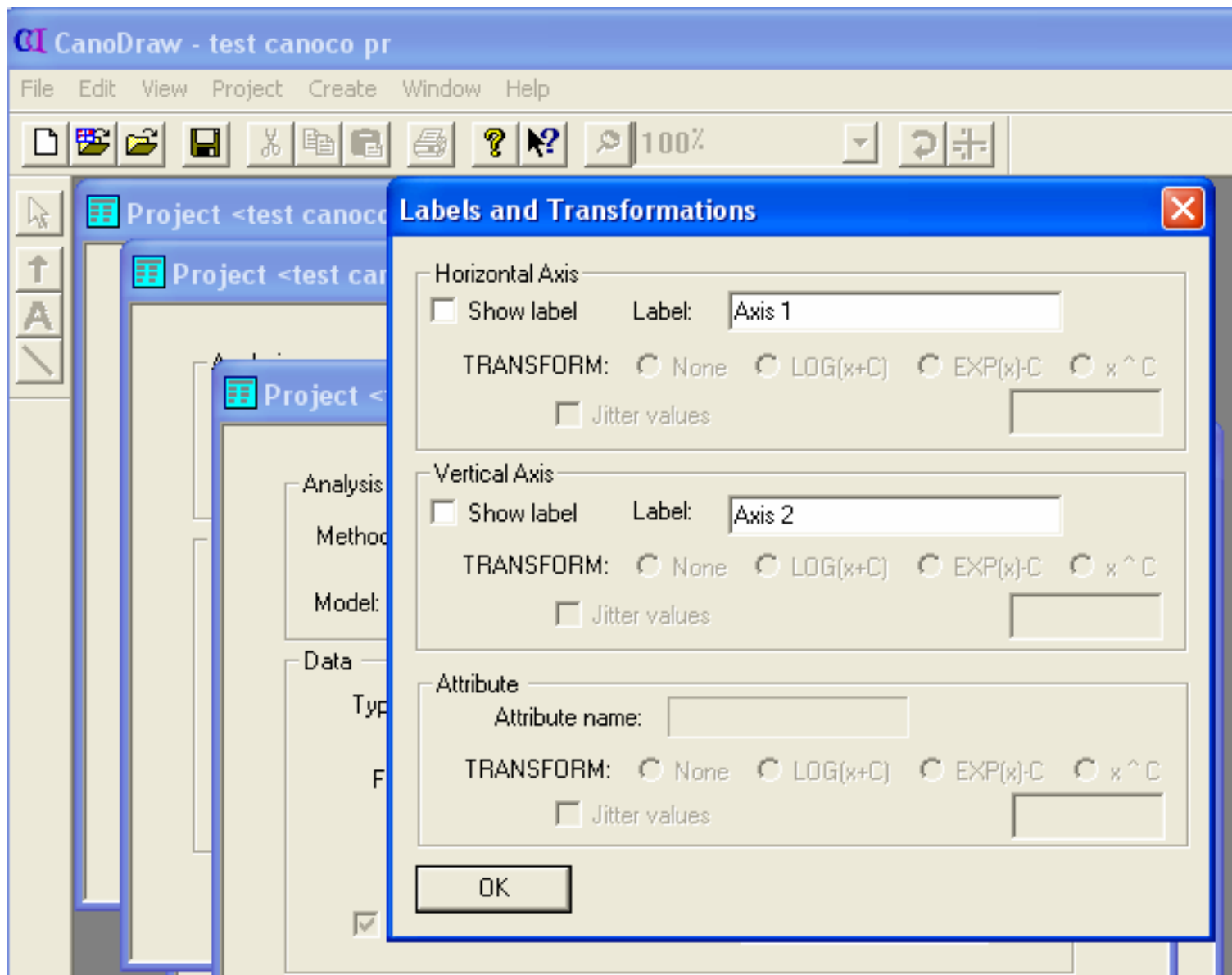
Yes No Cancel Help

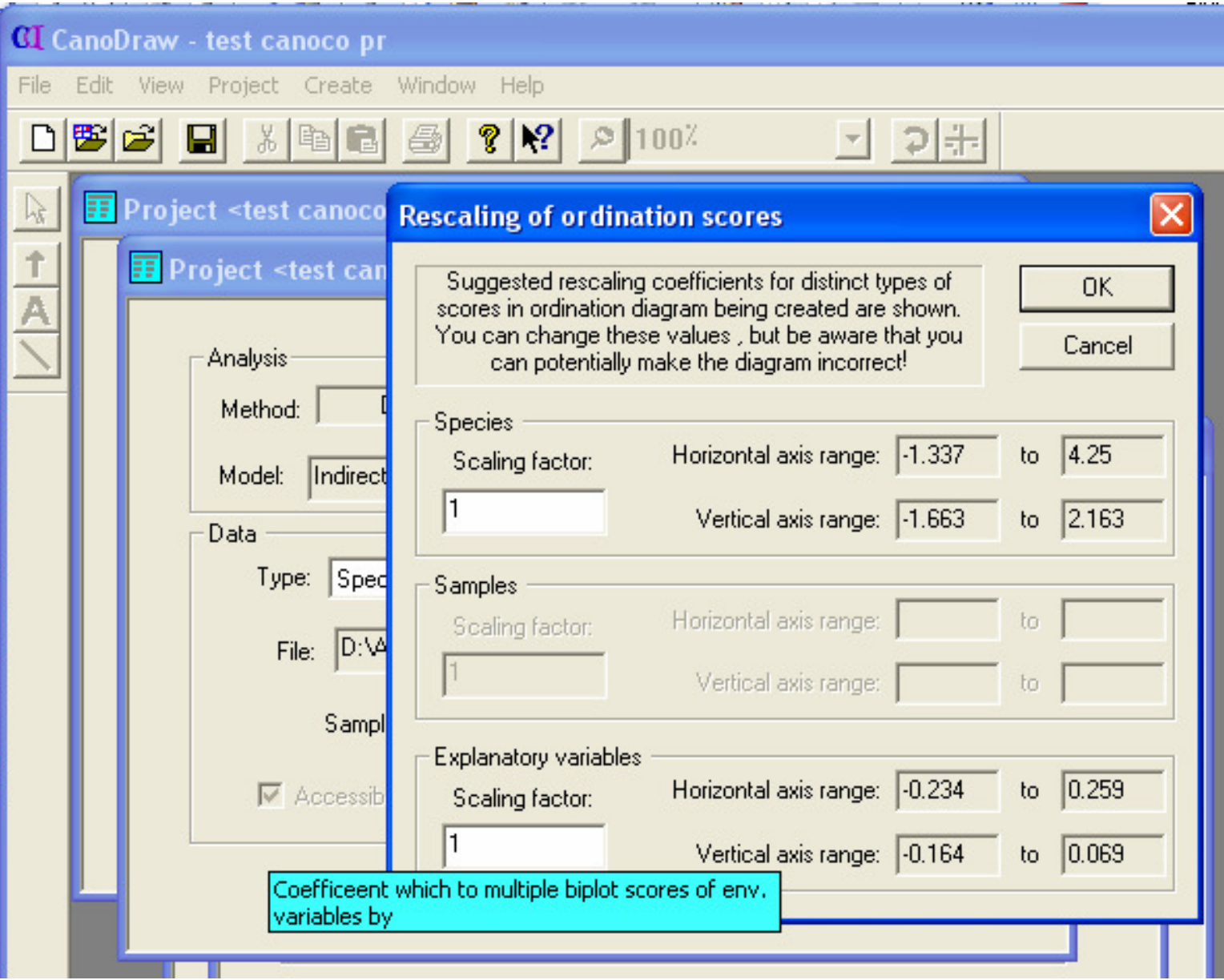












CanoDraw - test canoco pr

File Edit View Project Create Window Help

100%

Rescaling of ordination scores

Suggested rescaling coefficients for distinct types of scores in ordination diagram being created are shown. You can change these values, but be aware that you can potentially make the diagram incorrect!

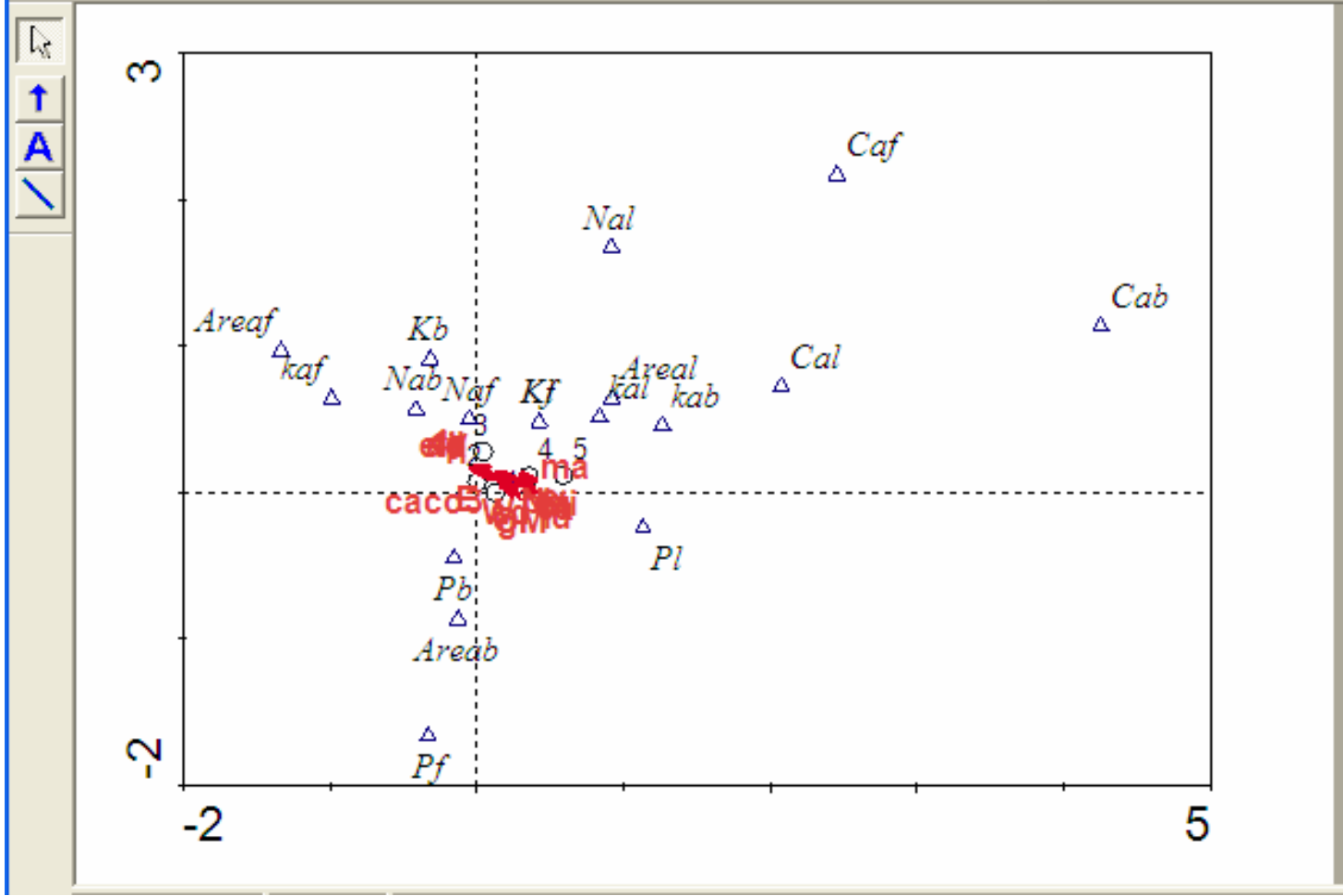
OK
Cancel

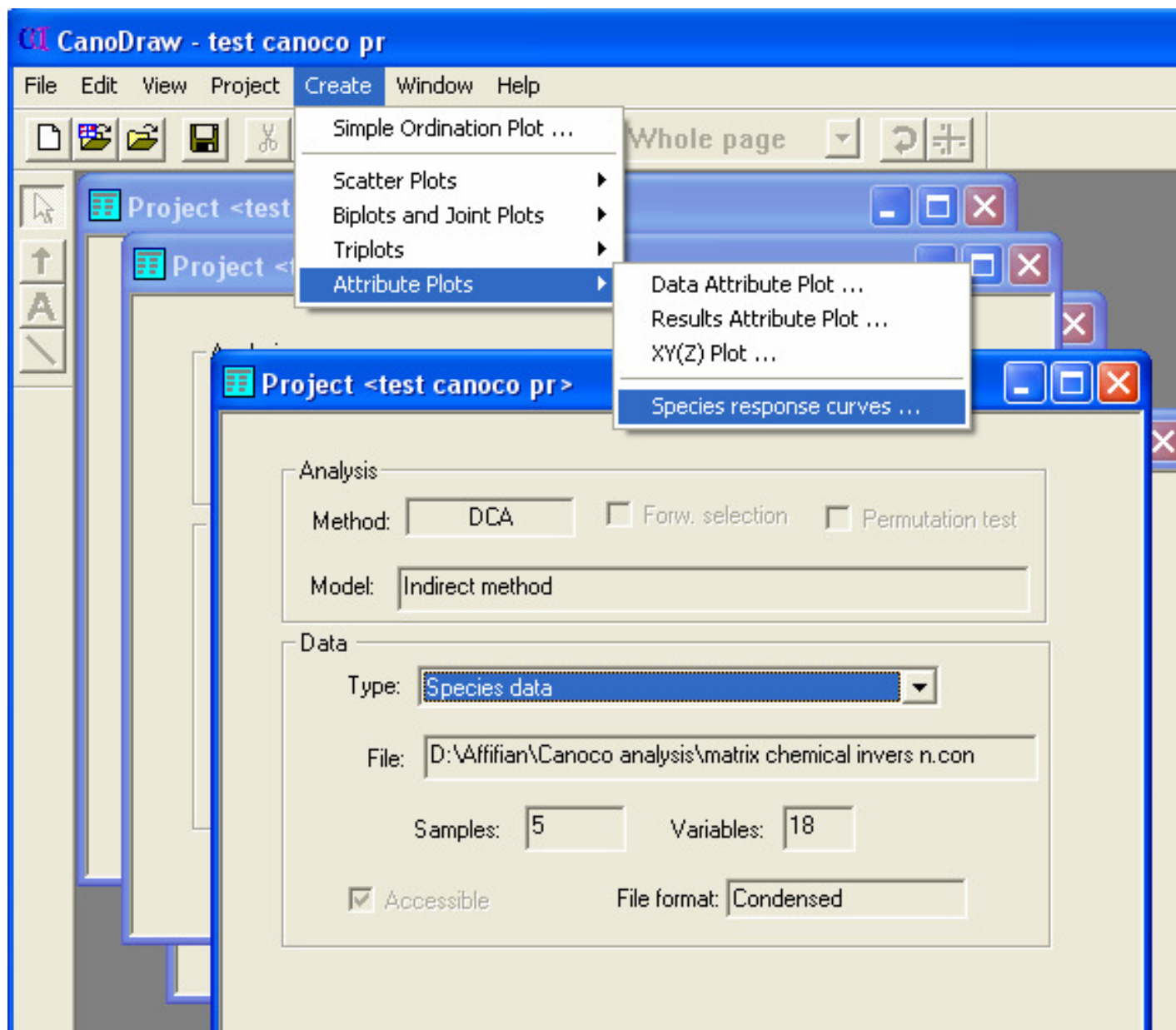
Species
Scaling factor: Horizontal axis range: to
Vertical axis range: to

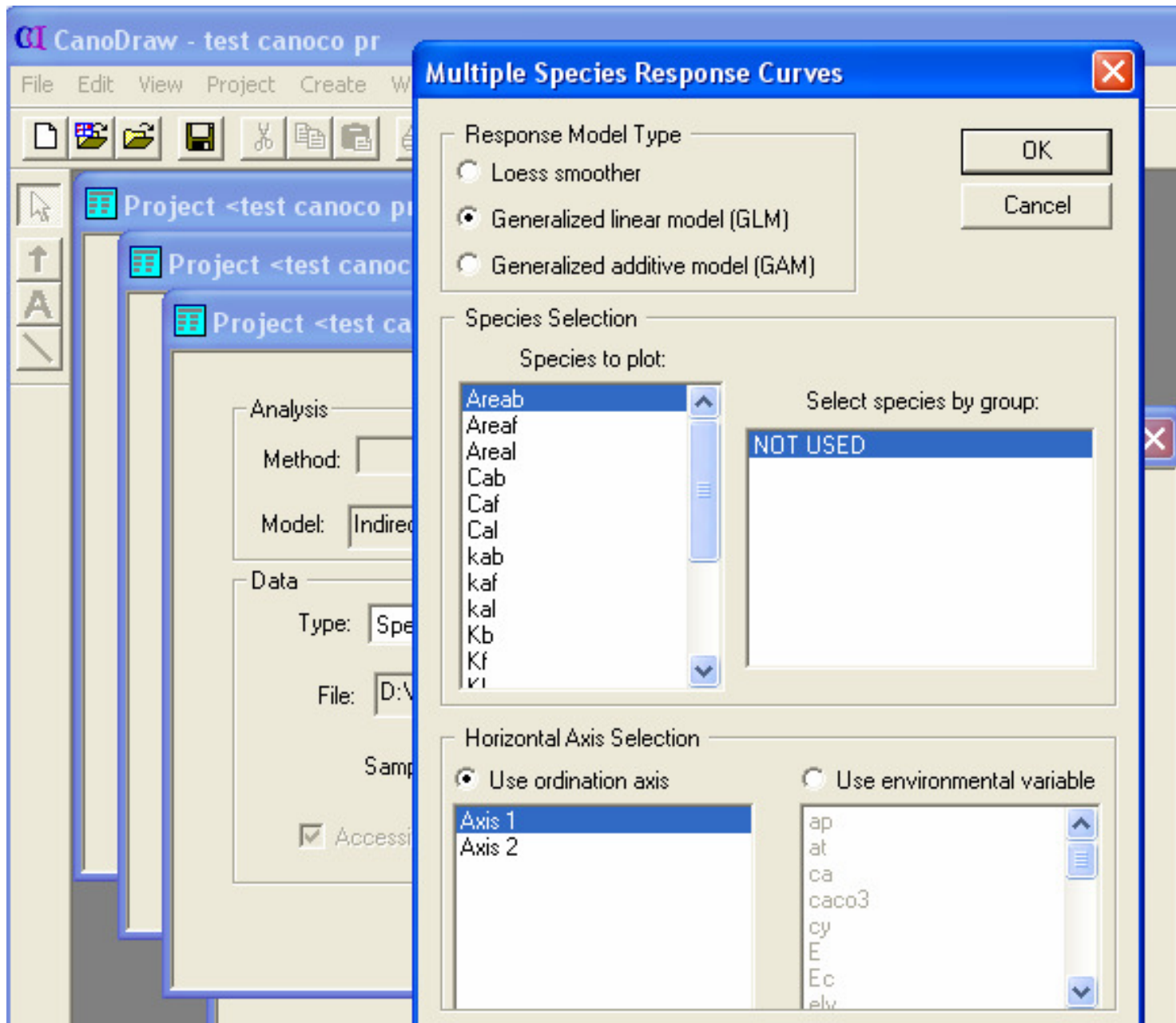
Samples
Scaling factor: Horizontal axis range: to
Vertical axis range: to

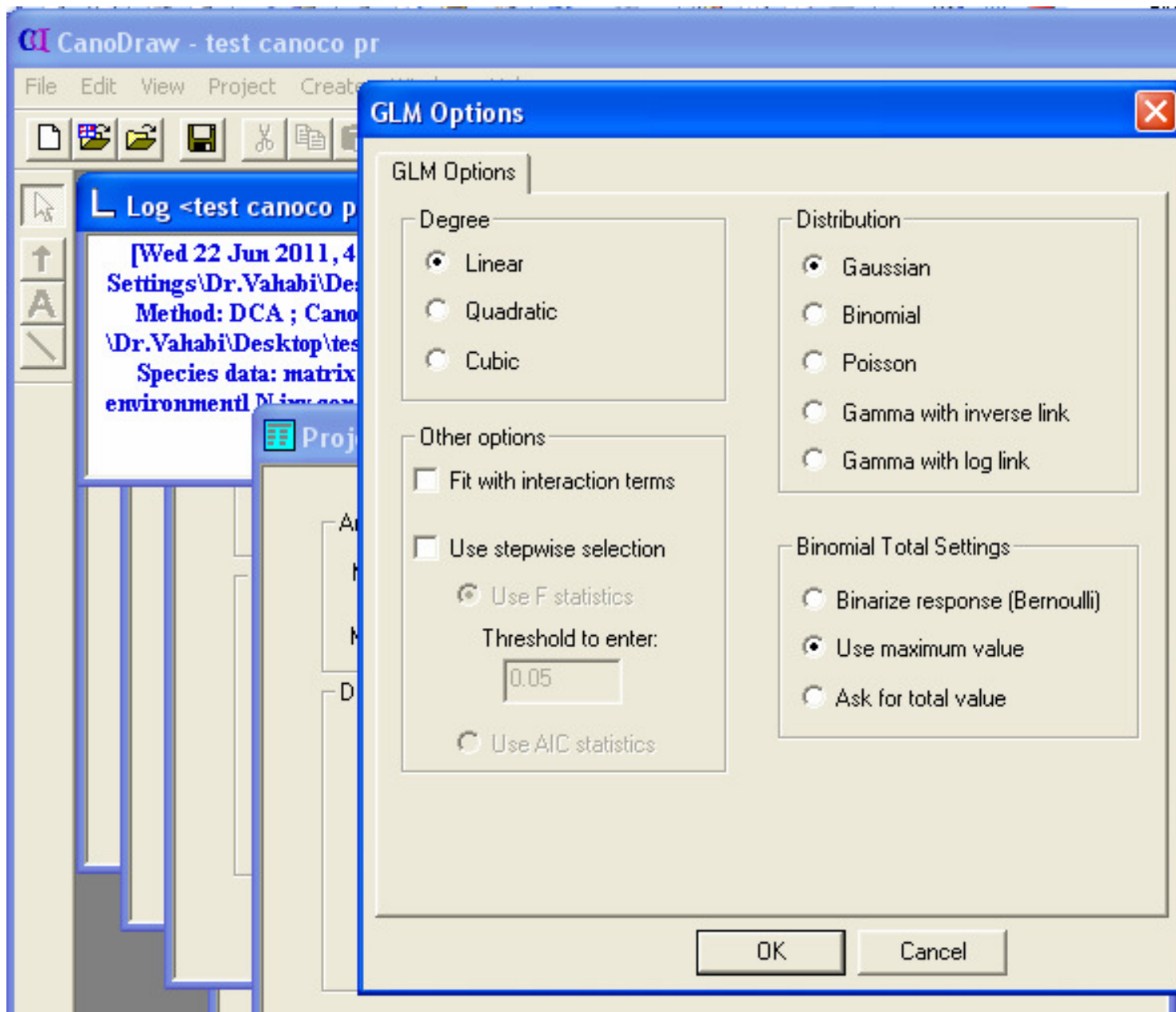
Explanatory variables
Scaling factor: Horizontal axis range: to
Vertical axis range: to

Coefficient which to multiple biplot scores of env. variables by











Log <test canoco pr

Project <test canoco pr

Analysis
Method:

Model: Indirect

Data
Type: Special

File: D:\V

Sample

Accessible

Labels and Transformations

Horizontal Axis
 Show label Label:
TRANSFORM: None LOG(x+C) EXP(x)-C x ^ C
 Jitter values

Vertical Axis
 Show label Label:
TRANSFORM: None LOG(x+C) EXP(x)-C x ^ C
 Jitter values

Attribute
Attribute name:
TRANSFORM: None LOG(x+C) EXP(x)-C x ^ C
 Jitter values

OK

Accessible

File format:

Text of vertical axis label to show

Canodraw - test canoco pr

File Edit View Project Create

Log <test canoco pr

[Wed 22 Jun 2011, ...]
 Settings\Dr.Vahabi\Dr...
 Method: DCA ; Can...
 \Dr.Vahabi\Desktop\te...
 Species data: matrix...
 environment N... co...

Pro

Data

Fitted Generalized Linear Model

Response variable:

Predictor(s):

Distribution: Link function:

Null model deviance: with residual DFs

Fitted model deviance: with residual DFs

Model significance: F = P = AIC =

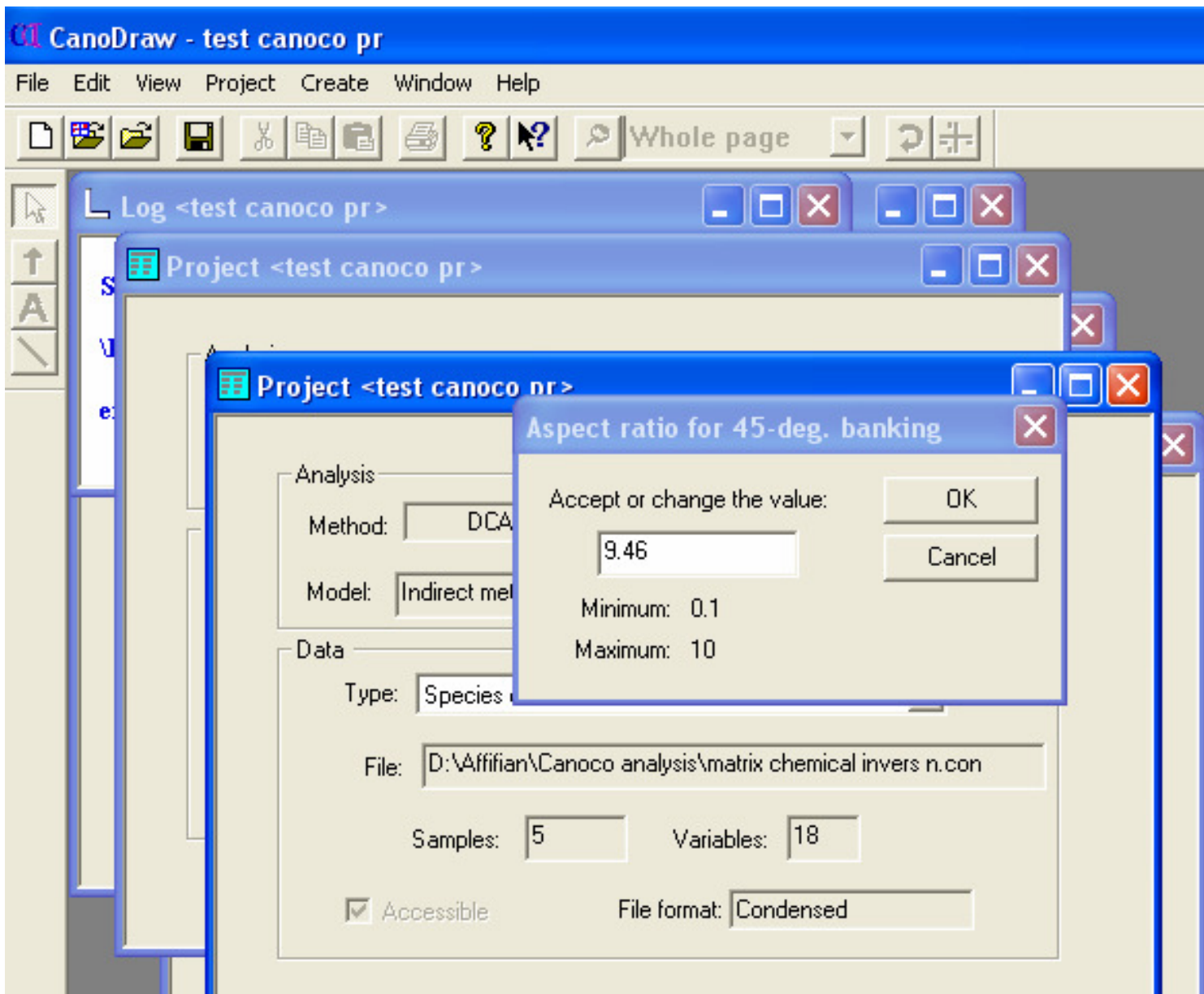
Unimodal response curve:

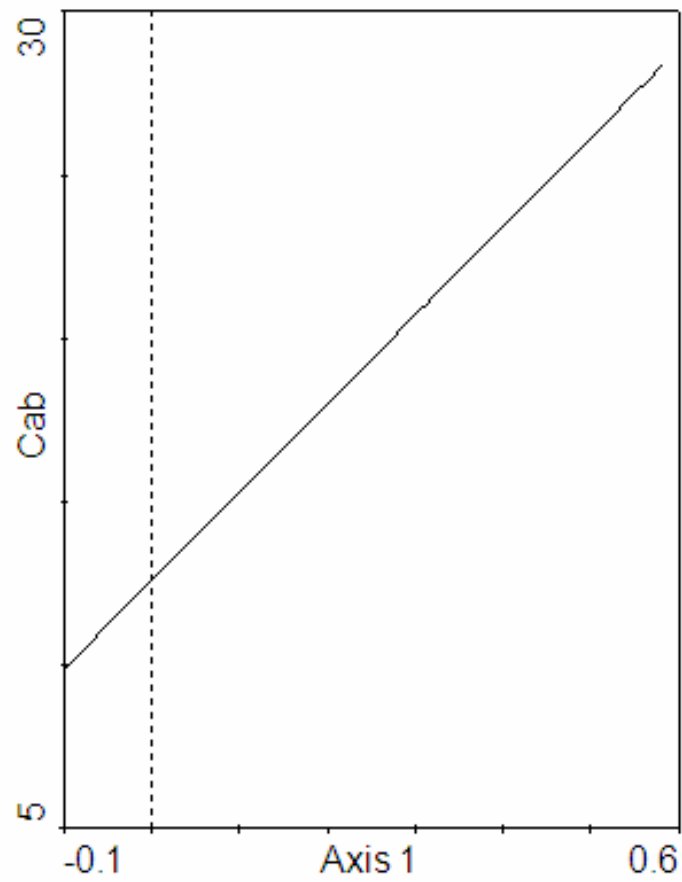
Optimum: S.E.: Conf. interval:

Tolerance: S.E.: Max. value:

Regression coefficients

Model Term	B	s.e.	T
(Intercept)	2928.38	373.852	7.83299
Axis 1	-2502.39	1197.53	-2.08963

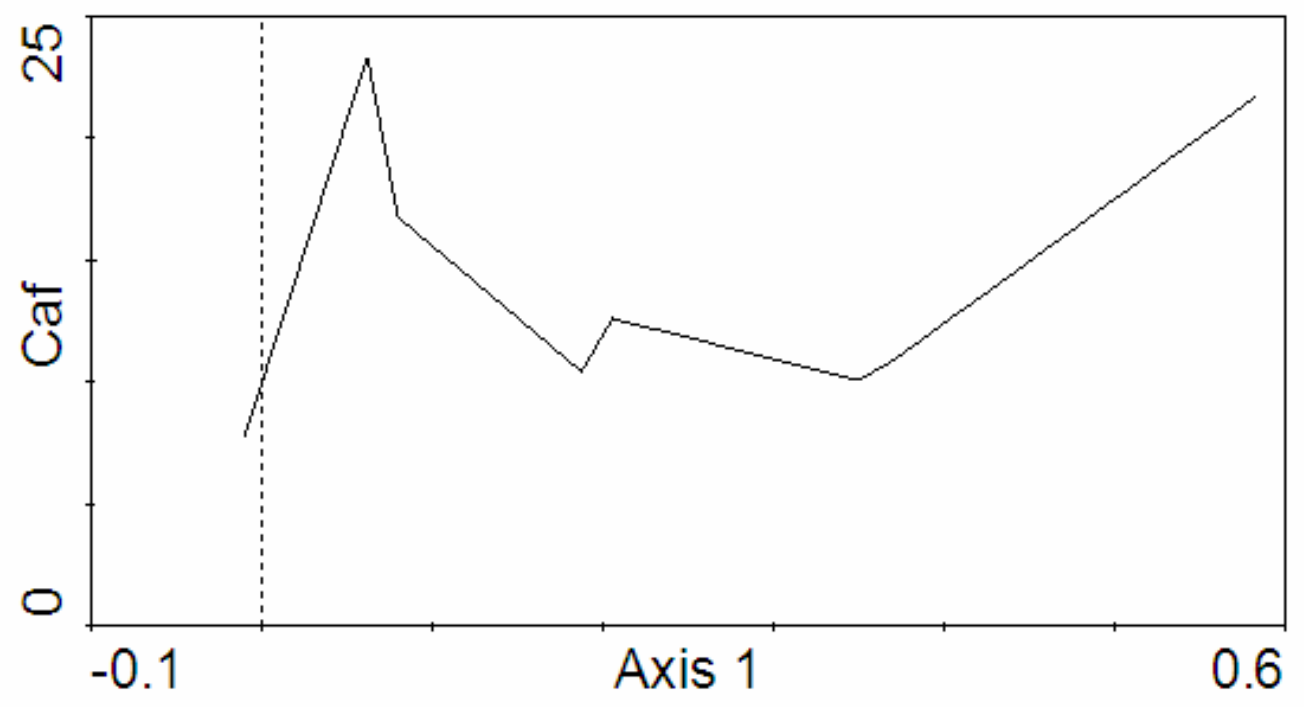


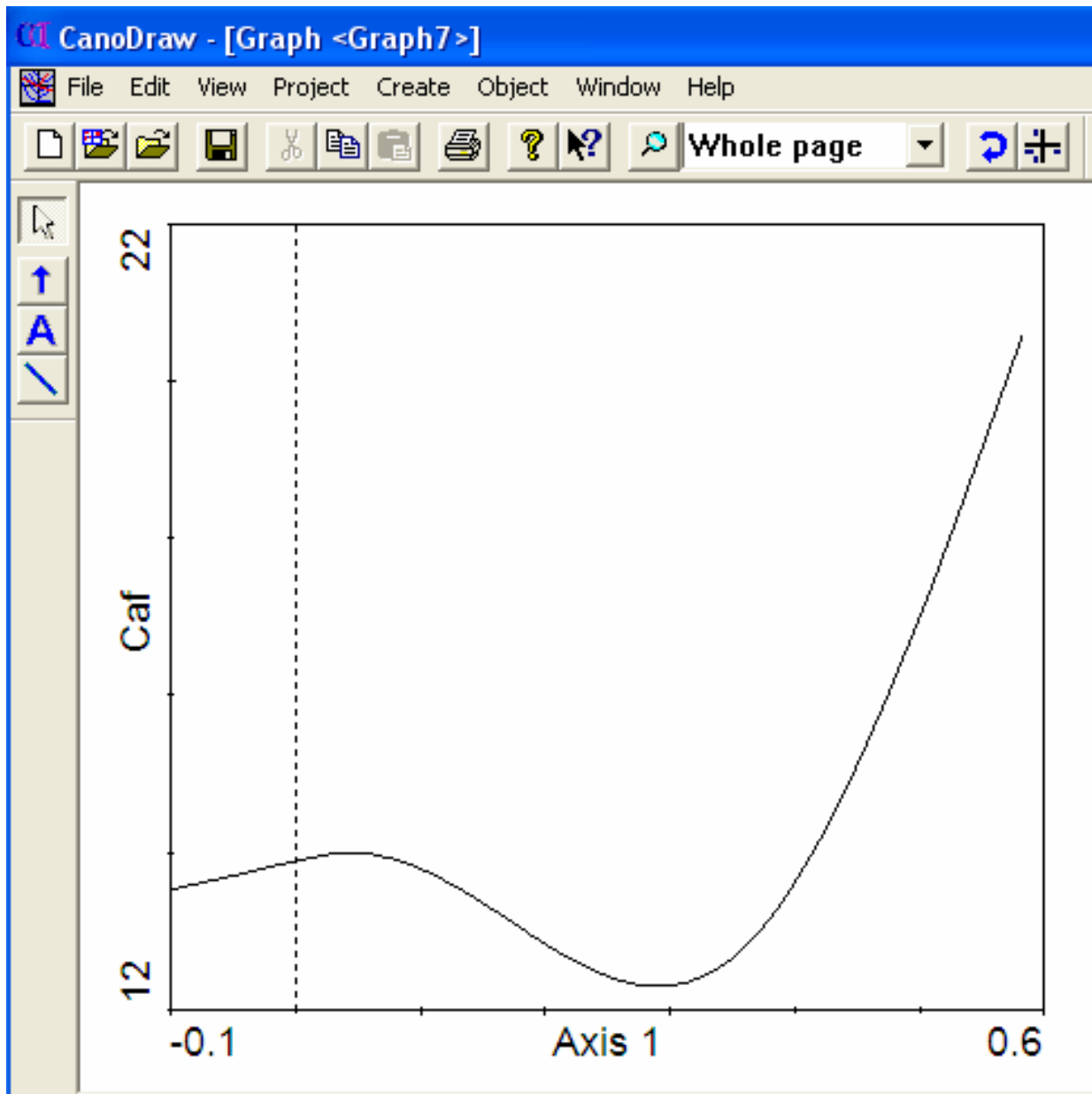


CanoDraw - [Graph <Graph6>]

File Edit View Project Create Object Window Help

Whole page





*** Type of analysis ***

Model	Gradient analysis		
	indirect	direct	hybrid
linear	1=PCA	2= RDA	3
unimodal	4= CA	5= CCA	6
, ,	7=DCA	8=DCCA	9
	10=non-standard analysis		

Type analysis number

Answer = 7

**** Summary ****

Axes	1	2	3	4	Total inertia
Eigenvalues	0.061	0.006	0.000	0.000	0.076
Lengths of gradient	0.588	0.281	0.000	0.000	
Species-environment correlations	0.000	0.000	0.000	0.000	
Cumulative percentage variance					
of species data	79.5	86.7	0.0	0.0	
of species-environment relation:	79.4	96.9	0.0	0.0	
Sum of all eigenvalues					0.076
Sum of all canonical eigenvalues					0.076

1

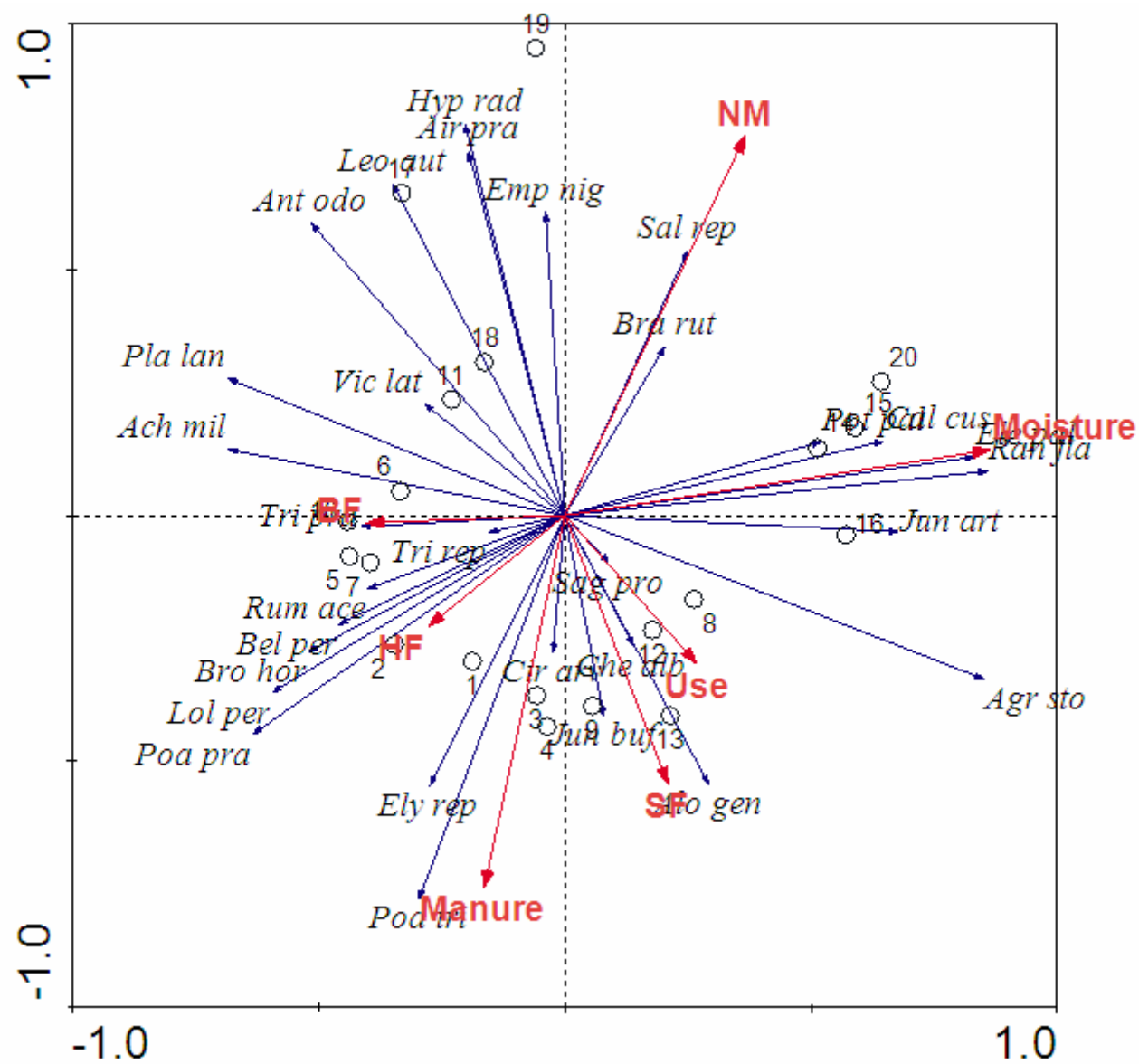
**** Correlation matrix ****|

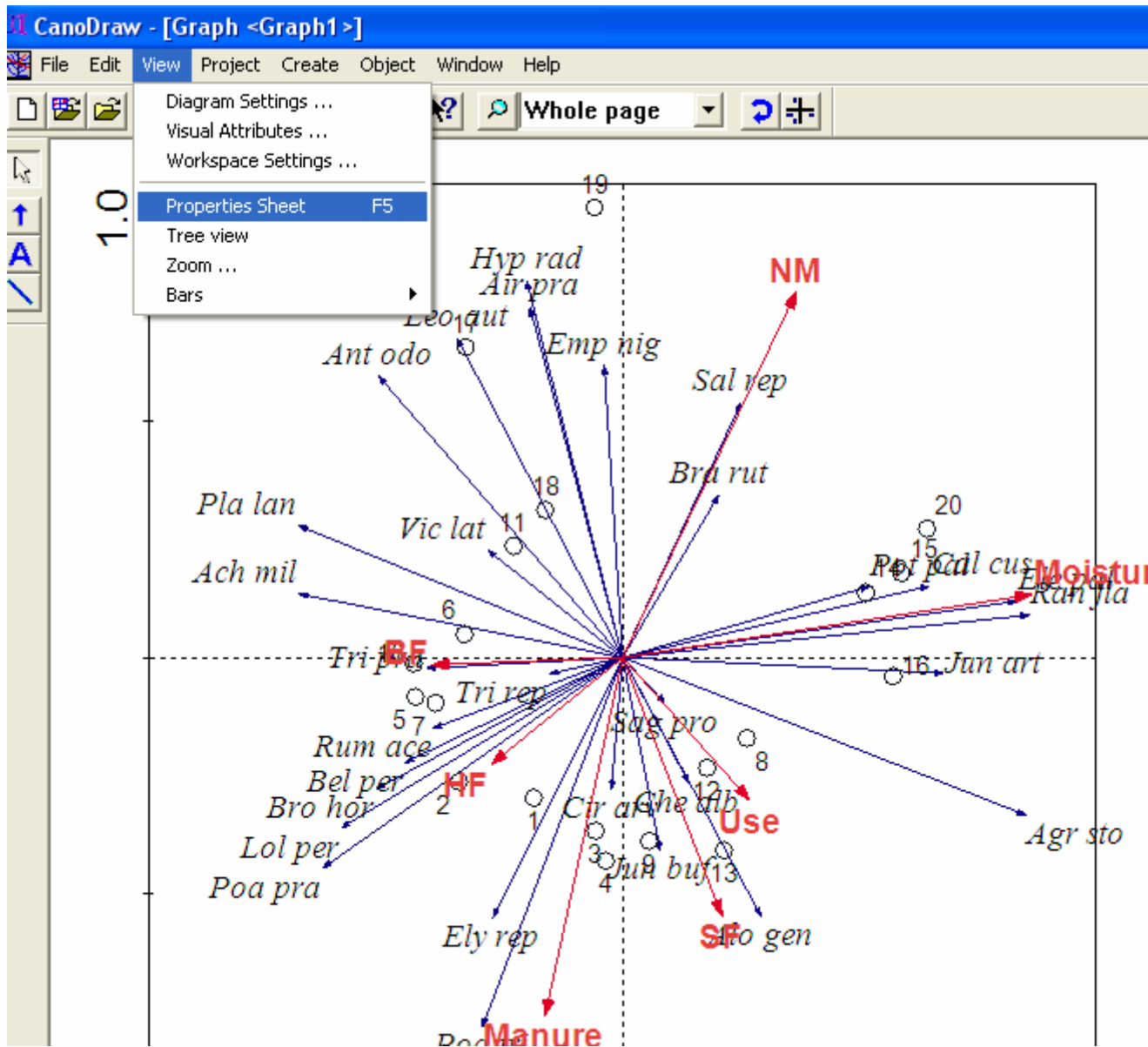
SPEC AX1	1.0000			
SPEC AX2	.0000	1.0000		
SPEC AX3	.0000	-.0005	1.0000	
SPEC AX4	.0000	.0000	.0000	1.0000
ENVI AX1	.0000	.0000	.0000	.0000
ENVI AX2	.0000	.0000	.0000	.0000
ENVI AX3	.0000	.0000	.0000	.0000
ENVI AX4	.0000	.0000	.0000	.0000
Areab	-.6683	.1367	-.3939	.0000
Area1	-.7185	.2882	.4422	.0000
ka1	.3741	.2513	.5642	.0000
Areaf	-.7168	.2213	.4676	.0000
kaf	-.8748	-.0681	.1721	.0000
Naf	-1.0000	-.0034	-.0003	.0000
Na1	-.4084	-.0272	.4971	.0000
Nab	-.8748	-.0681	.1721	.0000
Caf	.7278	-.3714	.5673	.0000
Ca1	.9099	.0969	.3316	.0000
Cab	.9033	-.0786	.0721	.0000
Kf	-1.0000	-.0034	-.0003	.0000
K1	-1.0000	-.0034	-.0003	.0000
Kb	-.9895	-.1195	.0247	.0000
	SPEC AX1	SPEC AX2	SPEC AX3	SPEC AX4

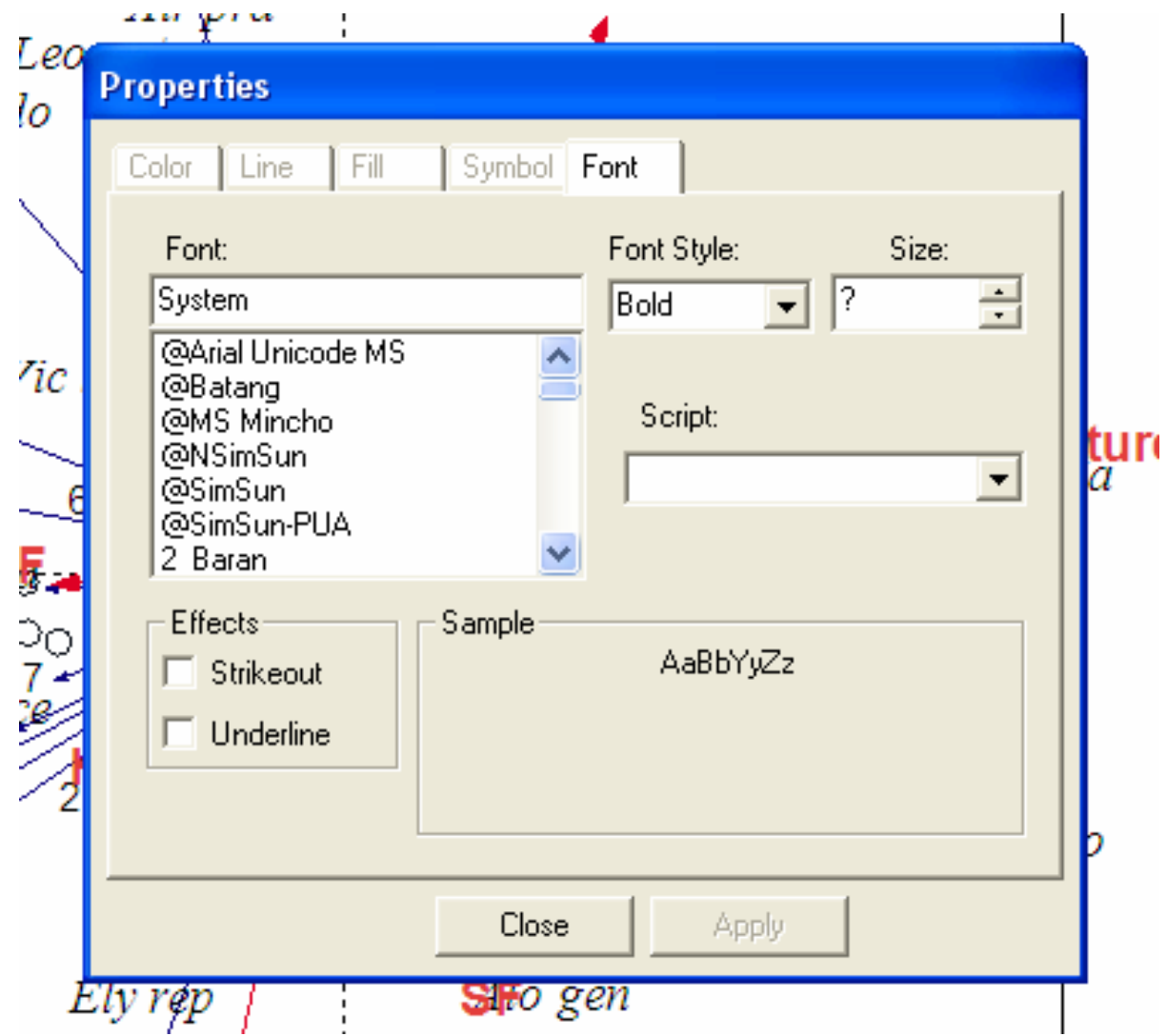
SPEC AX1	SPEC AX2	SPEC AX3	SPEC AX4	ENVI AX1	ENVI A
1.0000					
.0665	1.0000				
-.0118	-.2599	1.0000			
.6131	.5741	.3747	1.0000		
.7834	.4823	.0625	.9018	1.0000	
.6680	.7174	-.3750	.7160	.8750	1.00
-.3979	.8519	-.4082	.1616	.1021	.40
.7834	.4823	.0625	.9018	1.0000	.87
-.6964	-.4262	.5709	-.2900	-.4671	-.72
-.8669	-.3753	.3931	-.5830	-.8483	-.91
-.8988	-.4516	.0713	-.8254	-.9585	-.90
.6680	.7174	-.3750	.7160	.8750	1.00
.6680	.7174	-.3750	.7160	.8750	1.00
.5874	.7226	-.4399	.6581	.8432	.98

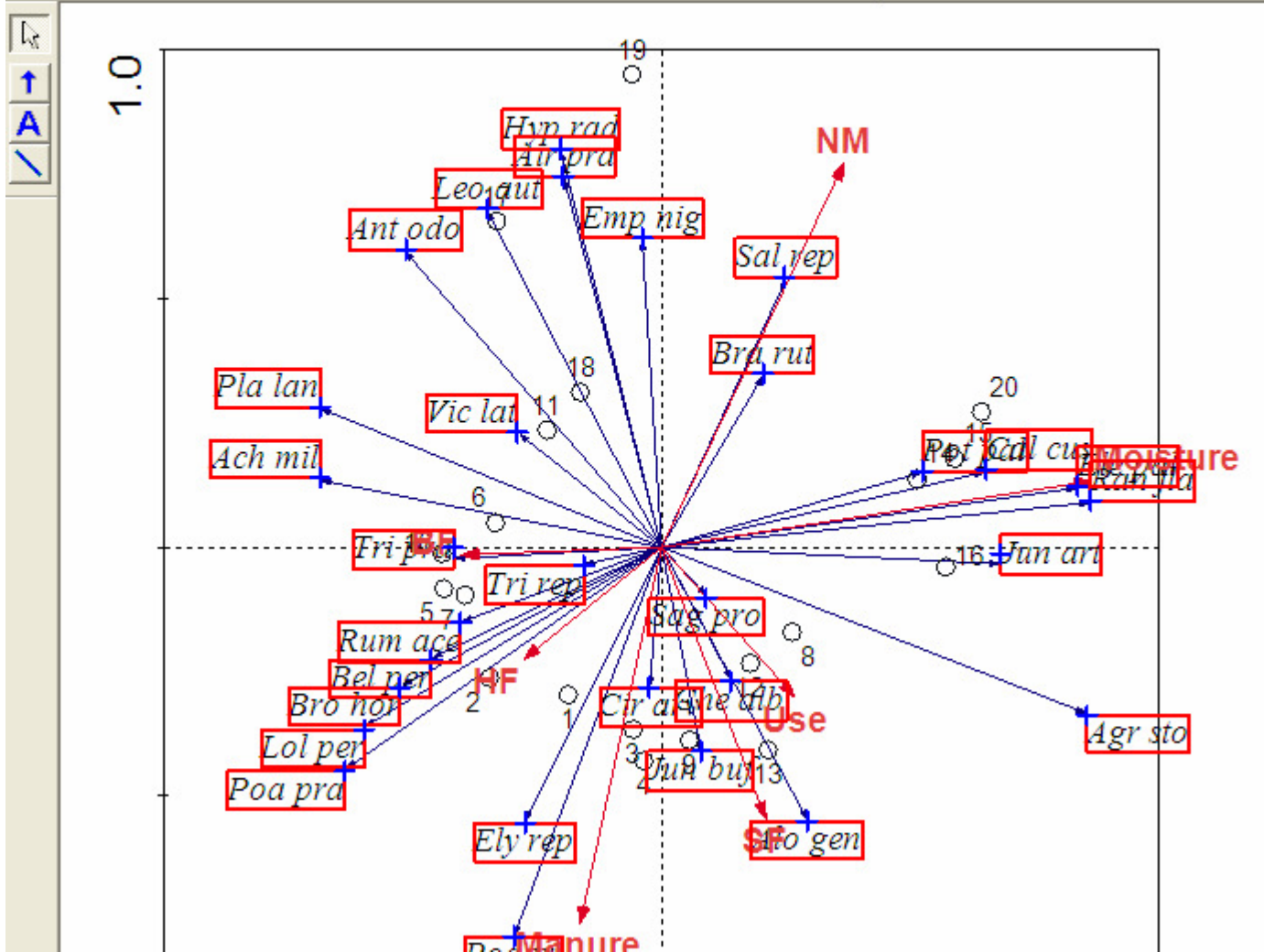
Areab	Area1	ka1	Areaf	kaf	Naf
1.0000					
.7904	1.0000				
.6842	.9336	1.0000			
-.7266	-.9104	-.9031	1.0000		
-.7266	-.9104	-.9031	1.0000	1.0000	
-.6698	-.8860	-.8503	.9899	.9899	1.00

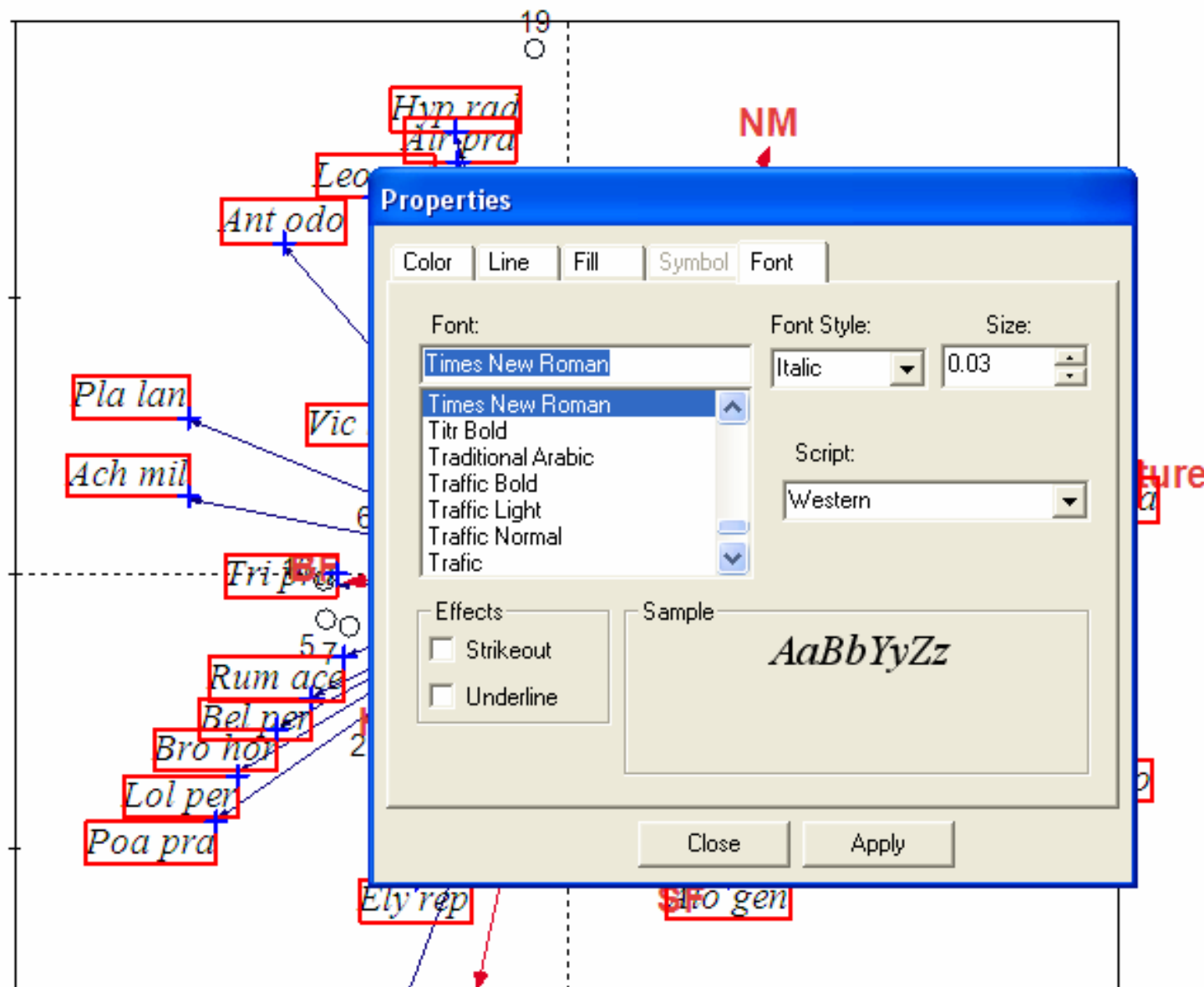
caf	ca1	cab	kf	k1	kb
-----	-----	-----	----	----	----

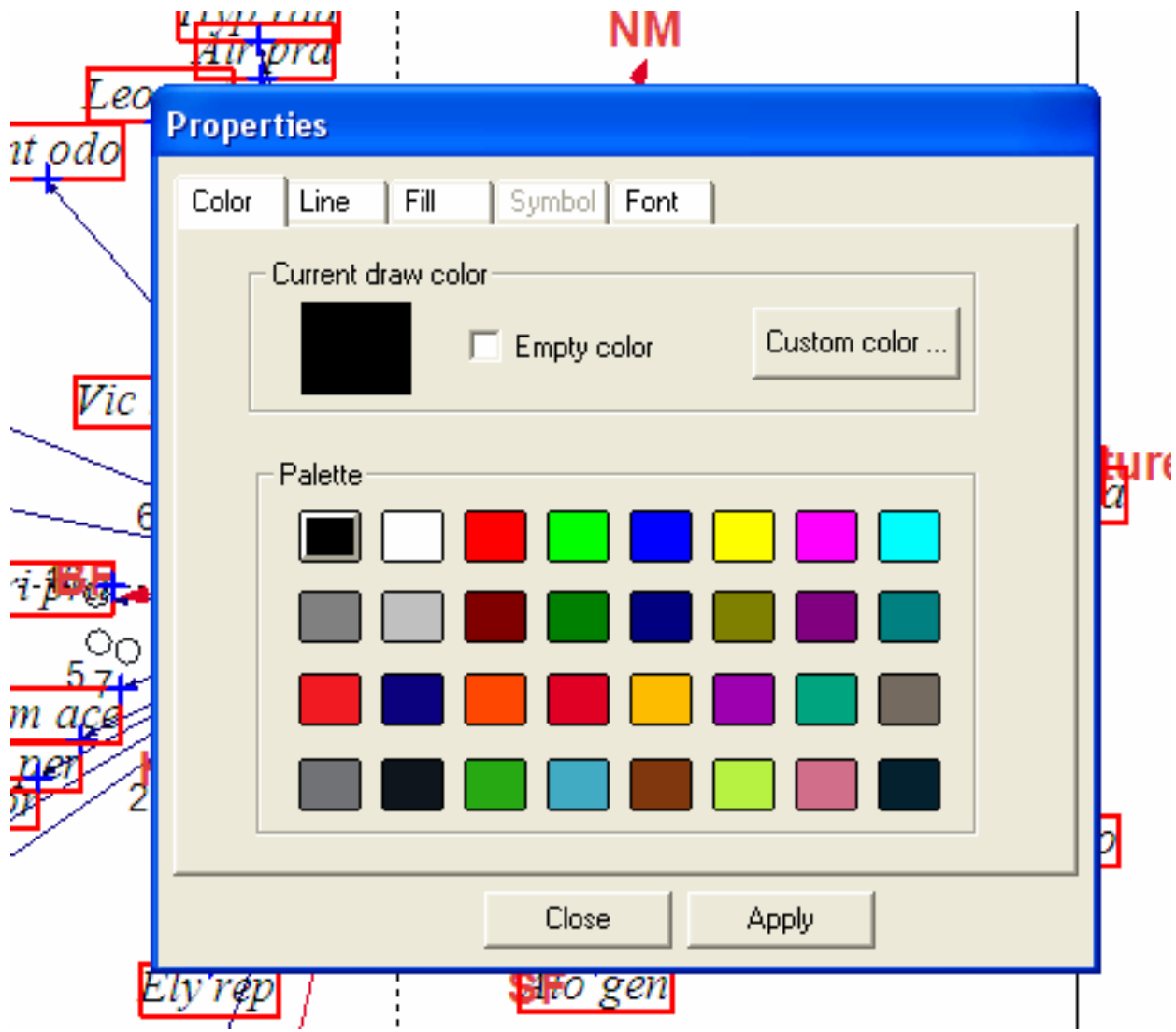


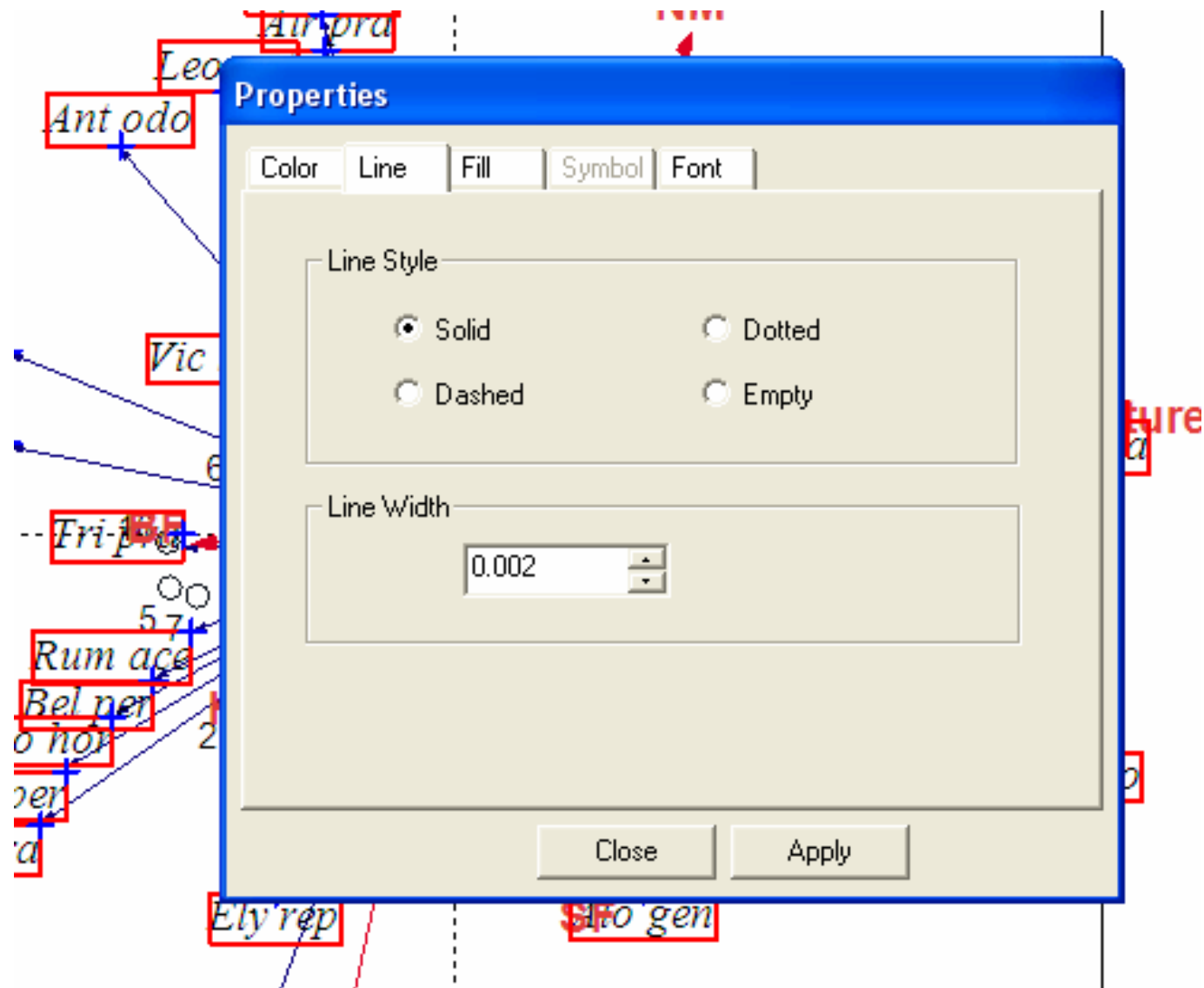


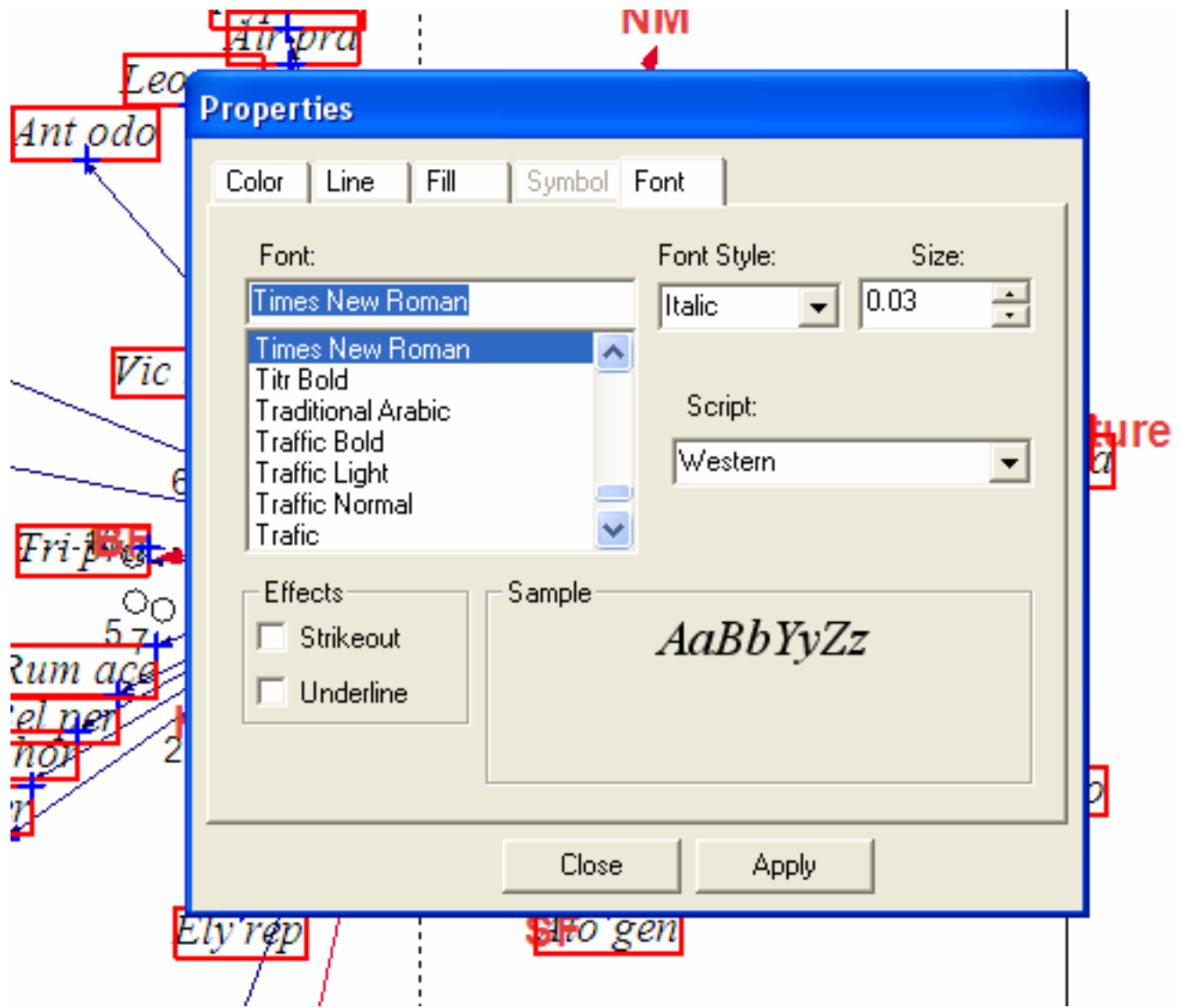


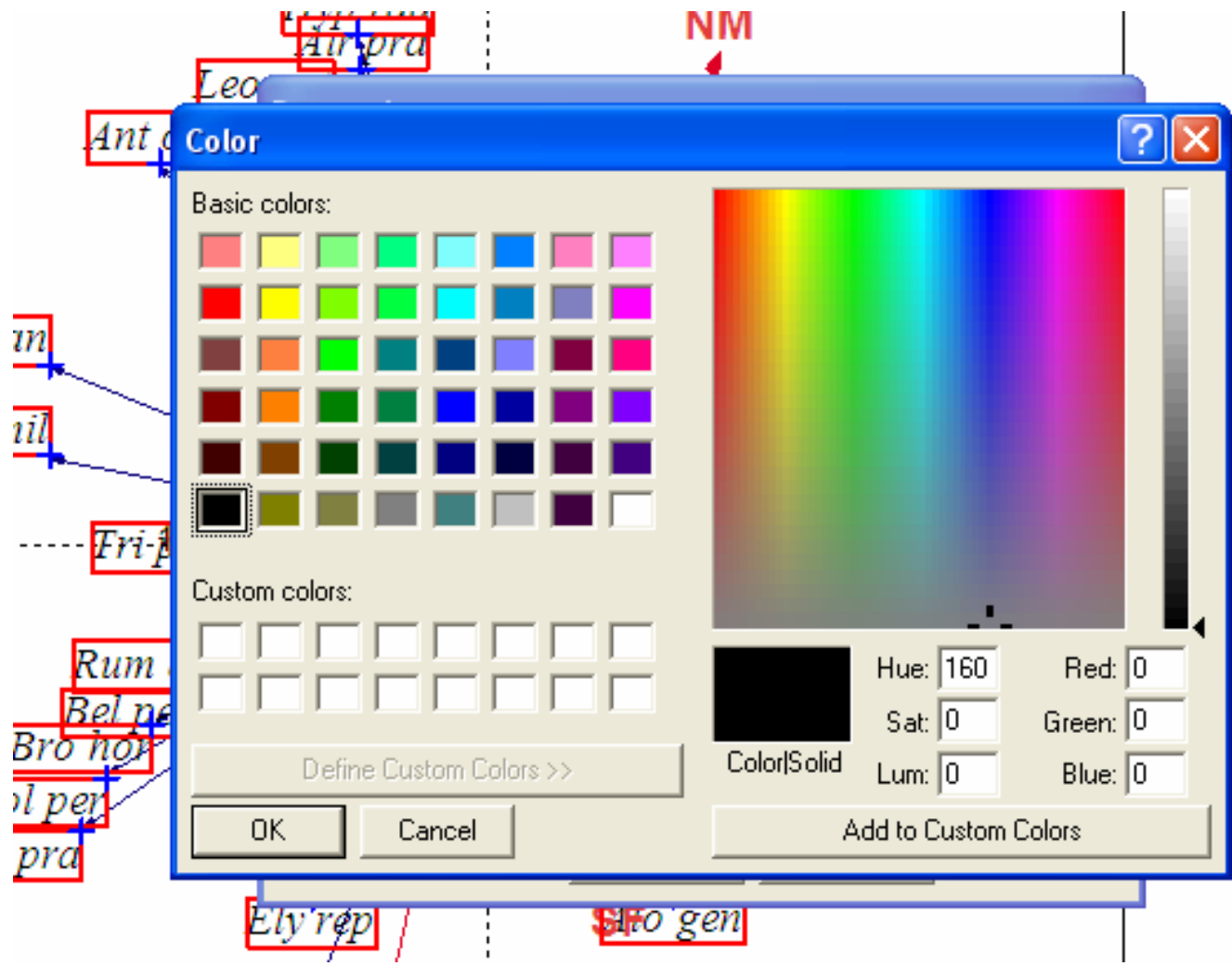


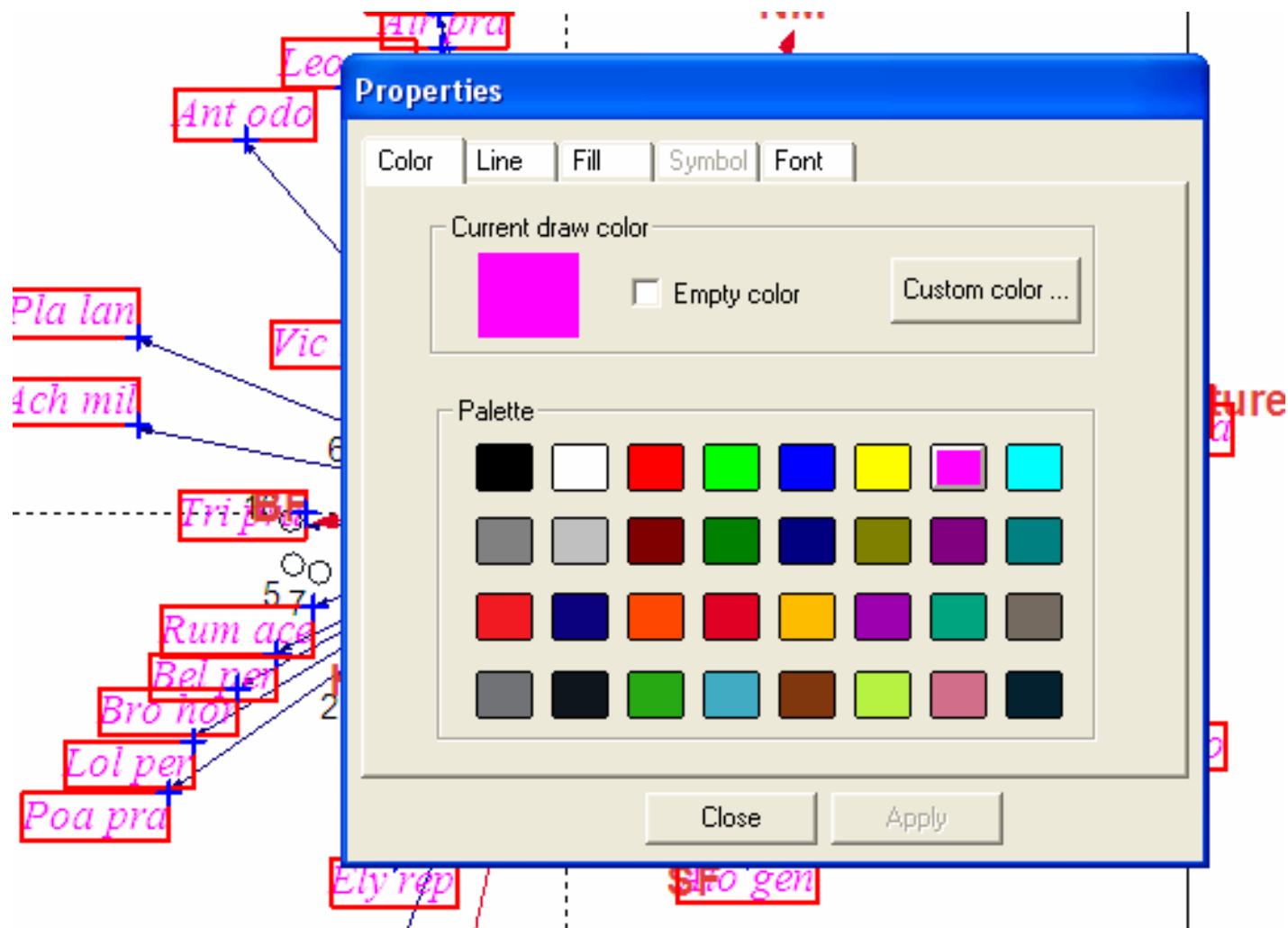


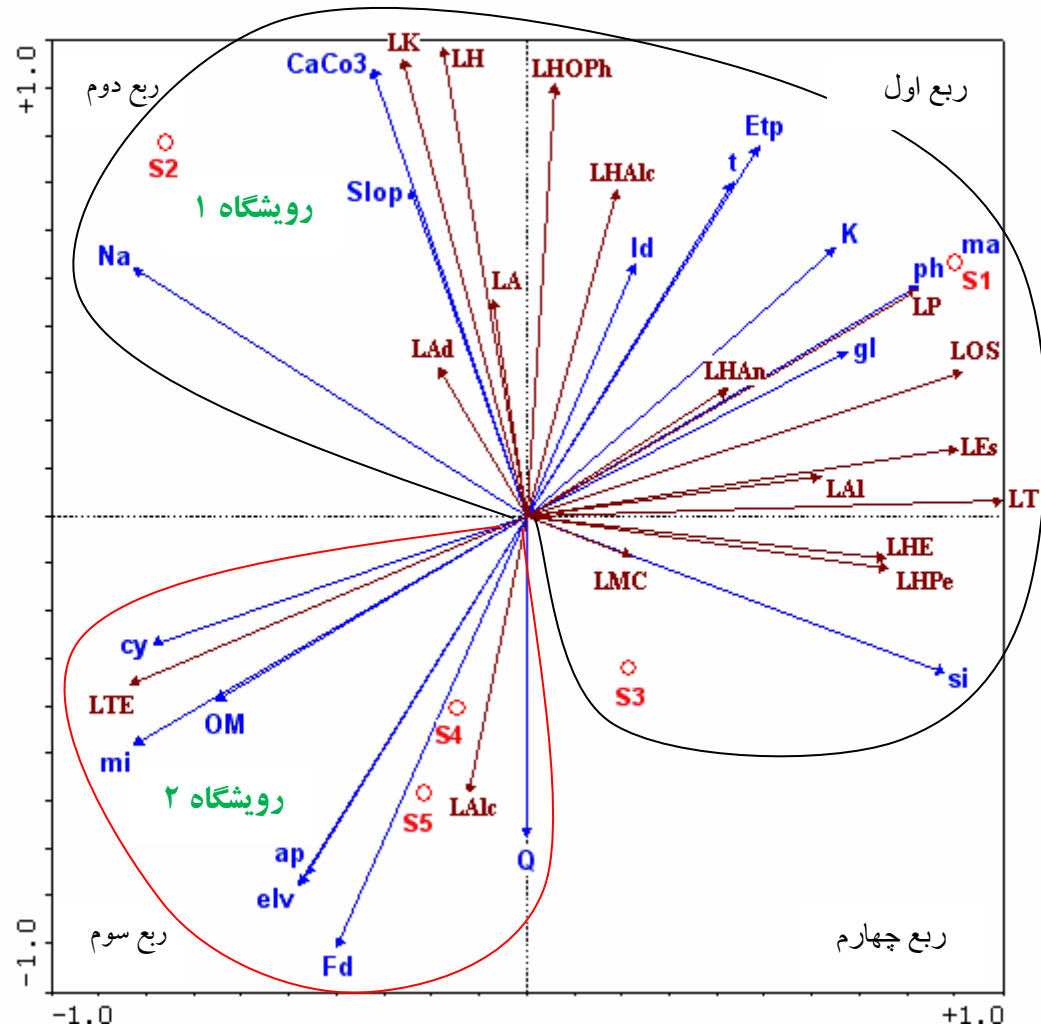




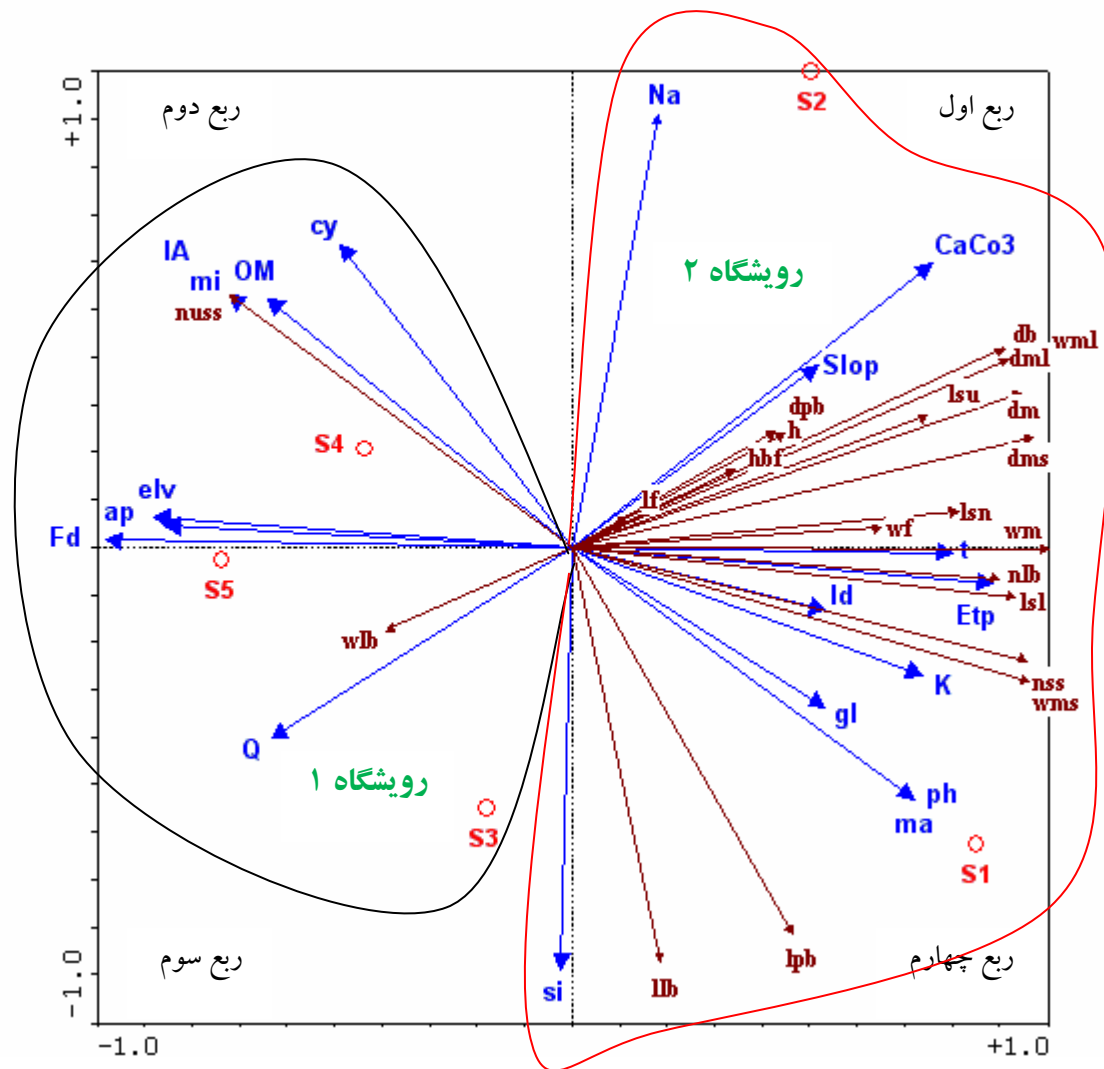








نمودار سه پلاتی گونه (شاخص کیفی)- محیط- مکان. شاخص کیفی (ترکیبات شیمیایی موجود در اسانس برگ کما) و عوامل محیطی حاصل از آنالیز مؤلفه های اصلی (PCA).



نمودار سه پلاتی گونه (خصوصیات ریخت شناسی) - محیط- مکان. خصوصیات ریخت شناسی (گیاه کما) و عوامل محیطی حاصل از آنالیز مؤلفه های اصلی (PCA).

پایان