

Příprava datového souboru pro
vizualizaci a srovnání species
abundance models

Seřazení druhů dle abundancí – import do SPSS

aggregate.sav [DataSet2] - PASW Statistics Data Editor

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

Visible: 12 of 12 Variables

	oblast	lokalita	hphk_mean	pamk_mean	psak_mean	pfuk_mean	pglk_mean	cchk_n
1	101,00000000	1,00000000	,443157894737	,063157894737	,010526315789	,162105263158	,187368421053	,08736
2	101,00000000	2,00000000	,720588235294	,0	,0	,186274509804	,073529411765	,01960
3	101,00000000	3,00000000	,990131578947	,0	,0	,0	,009868421053	
4	101,00000000	4,00000000	,932773109244	,0	,0	,0	,067226890756	
5	101,00000000	5,00000000	1,000000000000	,0	,0	,0	,0	
6	101,00000000	6,00000000	,601307189542	,0	,0	,104575163399	,294117647059	
7	101,00000000	7,00000000	,943952802360	,0	,0	,0	,056047197640	
8	101,00000000	8,00000000	1,000000000000	,0	,0	,0	,0	
9	101,00000000	9,00000000	,629820051414	,0	,0	,102827763496	,267352185090	
10	101,00000000	10,00000000	,641975308642	,0	,0	,175308641975	,123456790123	,05186
11	101,00000000	11,00000000	,390070921986	,141843971631	,0	,212765957447	,219858156028	,03546
12	101,00000000	12,00000000	,868471953578	,0	,0	,0	,058027079304	,07350
13	101,00000000	13,00000000	,719457013575	,158371040724	,054298642534	,013574660633	,054298642534	
14	101,00000000	14,00000000	,807971014493	,0	,010869565217	,0	,181159420290	
15	101,00000000	15,00000000	,969171483622	,0	,0	,007707129094	,023121387283	
16	102,00000000	1,00000000	1,000000000000	,0	,0	,0	,0	
17	102,00000000	2,00000000	1,000000000000	,0	,0	,0	,0	
18	102,00000000	3,00000000	1,000000000000	,0	,0	,0	,0	
19	102,00000000	4,00000000	1,000000000000	,0	,0	,0	,0	

Data View Variable View

PASW Statistics Processor is ready

Seřazení druhů dle abundancí – restrukturalizace souboru

The screenshot shows the PASW Statistics Data Editor interface. The 'Data' menu is open, and the 'Restructure...' option is highlighted. The data table in the background contains the following information:


	mean	pamk_mean	psak_mean	pfuk_mean	pglk_mean	cchk_n
1	57894737	,063157894737	,010526315789	,162105263158	,187368421053	,08736
2	88235294	,0	,0	,186274509804	,073529411765	,01960
3	31578947	,0	,0	,0	,009868421053	
4	73109244	,0	,0	,0	,067226890756	
5	00000000	,0	,0	,0	,0	
6	07189542	,0	,0	,104575163399	,294117647059	
7	52802360	,0	,0	,0	,056047197640	
8	00000000	,0	,0	,0	,0	
9	20051414	,0	,0	,102827763496	,267352185090	
10	75308642	,0	,0	,175308641975	,123456790123	,05188
11	70921986	,141843971631	,0	,212765957447	,219858156028	,03546
12	71953578	,0	,0	,0	,058027079304	,07350
13	57013575	,158371040724	,054298642534	,013574660633	,054298642534	
14	71014493	,0	,010869565217	,0	,181159420290	
15	71483622	,0	,0	,007707129094	,023121387283	
16	00000000	,0	,0	,0	,0	
17	00000000	,0	,0	,0	,0	
18	00000000	,0	,0	,0	,0	
19	102,00000000	4,00000000	1,000000000000	,0	,0	

Seřazení druhů dle abundancí – restrukturalizace souboru

Restructure Data Wizard

Welcome to the Restructure Data Wizard!

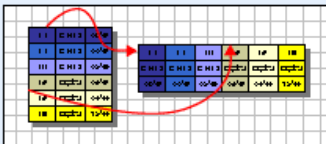
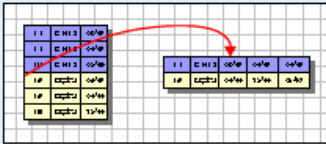
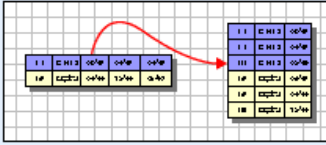
This wizard helps you to restructure your data from multiple variables (columns) in a single case to groups of related cases (rows) or vice versa, or you can choose to transpose your data.

 The wizard replaces the current data set with the restructured data. Note that data restructuring cannot be undone.

What do you want to do?

- Restructure selected variables into cases
Use this when each case in your current data has some variables that you would like to rearrange into groups of related cases in the new data set.
- Restructure selected cases into variables
Use this when you have groups of related cases that you want to rearrange so that data from each group are represented as a single case in the new data set.
- Transpose all data
All cases will become variables and selected variables will become cases in the new data set. (Choosing this option will end the wizard, and the Transpose dialog will appear.)

< Back Next > Finish Cancel Help



Seřazení druhů dle abundancí – restrukturalizace souboru


Restructure Data Wizard - Step 2 of 7

Variables to Cases: Number of Variable Groups

You have chosen to restructure selected variables into groups of related cases in the new file.

A group of related variables, called a variable group, represents measurements on one variable.

For example, the variable may be width. If it is recorded in three separate measurements, each one representing a different point in time—w1, w2, and w3, then the data are arranged in a group of variables.



If there is more than one variable in the file often it is also recorded in a variable group, for example height, recorded in h1, h2, and h3.

1	2	3	4
1	8	4	3
2	5	6	7

1
8
4
3
2
5
6
7

How many variable groups do you want to restructure?

One (for example, w1, w2, and w3)

1	2	3	4	5	6
1	8	4	0.3	0.9	0.4
2	5	6	0.7	0.1	0.7

1	0.3
8	0.9
4	0.4
2	0.7
5	0.1
6	0.7

More than one (for example, w1, w2, w3 and h1, h2, h3, etc.)

How Many?

< Back Next > Finish Cancel Help

Seřazení druhů dle abundancí – restrukturalizace souboru

Restructure Data Wizard - Step 3 of 7

Variables to Cases: Select Variables

For each variable group you have in the current data the restructured file will have one target variable.

In this step, choose how to identify case groups in the restructured data, and choose which variables belong with each target variable.

Optionally, you can also choose variables to copy to the new file as Fixed Variables.

Variables in the Current File:

- oblast
- lokalita
- hphk_mean% [hphk_mean]
- pamk_mean% [pamk_me...]
- psak_mean% [psak_mean]
- pfuk_mean% [pfuk_mean]
- pglk_mean% [pglk_mean]
- cchk_mean% [cchk_mean]
- cpik_mean% [cpik_mean]
- phyk_mean% [phyk_mean]
- bryk_mean% [bryk_mean]
- usnk_mean% [usnk_mean]

Case Group Identification

Use case number

Name: id Label...

Variables to be Transposed

Target Variable: abundance

- hphk_mean% [hphk_mean]
- pamk_mean% [pamk_mean]
- psak_mean% [psak_mean]
- pfuk_mean% [pfuk_mean]

Fixed Variable(s):

- oblast
- lokalita

< Back Next > Finish Cancel Help

Seřazení druhů dle abundancí – restrukturalizace souboru

Restructure Data Wizard - Step 4 of 7

Variables to Cases: Create Index Variables

In the current data, values for a variable group appear in a single case in multiple variables. For example, a single case contains the values for w1, w2, and w3.

In the new data, values for a variable group will appear in multiple cases in a single variable. For example, there will be three cases, one each for w1, w2, and w3.

An index is a new variable that identifies the group of new cases that was created from the original case. For example, an index named "w" would have the values 1, 2, and 3.

How many index variables do you want to create?

One
Use this when a variable group records the effects of a single factor, treatment or condition.

More than one How many?
Use this when a variable group records the effects of more than one factor, treatment or condition.

None
Use this if index information is stored in one of the sets of variables to be transposed.

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1	1	1	0.07
1	1	2	0.11
1	1	3	0.05
2	1	1	0.08
2	1	2	0.04
2	1	3	0.06

1	1	1	1	0.07
1	1	1	2	0.11
1	1	1	3	0.05
1	1	2	1	0.08
1	1	2	2	0.04
1	1	2	3	0.06

1	1	0.08	2	0.07
2	1	0.11	2	0.11
3	1	0.07	2	0.05
4	1	0.06	2	0.08
5	1	0.09	2	0.04
6	1	0.02	2	0.06

Seřazení druhů dle abundancí – restrukturalizace souboru

Restructure Data Wizard - Step 5 of 7

Variables to Cases: Create One Index Variable

You have chosen to create one index variable. The variable's values can be sequential numbers or the names of variables in a group.

In the table you can specify the name and label for the index variable.

What kind of index values?

Sequential numbers
Index Values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Variable names
Index Values: hphk_mean, pamk_mean, psak_mean, pfuk_mean, pglk_mean, cch...

Edit the Index Variable Name and Label:

	Name	Label	Levels	Index Values
1	Index1		10	hphk_mean, pamk_...

1

< Back Next > Finish Cancel Help

Seřazení druhů dle abundancí – restrukturalizace souboru

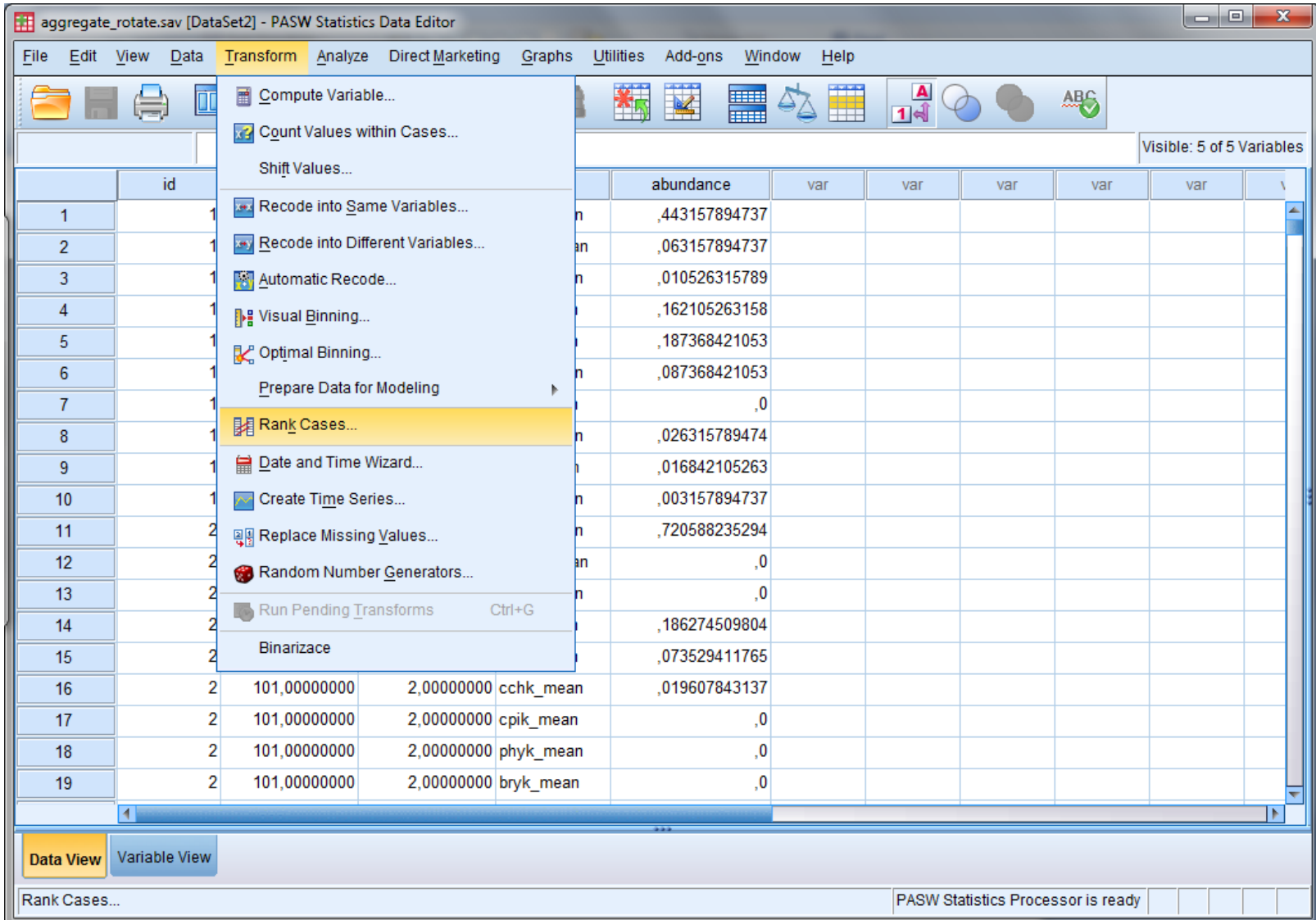
Visible: 5 of 5 Variables

	id	oblast	lokalita	Index1	abundance	var	var	var	var	var	v
1	1	101,00000000	1,00000000	hphk_mean	,443157894737						
2	1	101,00000000	1,00000000	pamk_mean	,063157894737						
3	1	101,00000000	1,00000000	psak_mean	,010526315789						
4	1	101,00000000	1,00000000	pfuk_mean	,162105263158						
5	1	101,00000000	1,00000000	pglk_mean	,187368421053						
6	1	101,00000000	1,00000000	cchk_mean	,087368421053						
7	1	101,00000000	1,00000000	cpik_mean	,0						
8	1	101,00000000	1,00000000	phyk_mean	,026315789474						
9	1	101,00000000	1,00000000	bryk_mean	,016842105263						
10	1	101,00000000	1,00000000	usnk_mean	,003157894737						
11	2	101,00000000	2,00000000	hphk_mean	,720588235294						
12	2	101,00000000	2,00000000	pamk_mean	,0						
13	2	101,00000000	2,00000000	psak_mean	,0						
14	2	101,00000000	2,00000000	pfuk_mean	,186274509804						
15	2	101,00000000	2,00000000	pglk_mean	,073529411765						
16	2	101,00000000	2,00000000	cchk_mean	,019607843137						
17	2	101,00000000	2,00000000	cpik_mean	,0						
18	2	101,00000000	2,00000000	phyk_mean	,0						
19	2	101,00000000	2,00000000	bryk_mean	,0						

Data View Variable View

PASW Statistics Processor is ready

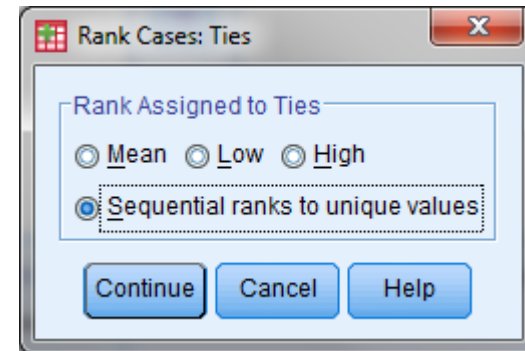
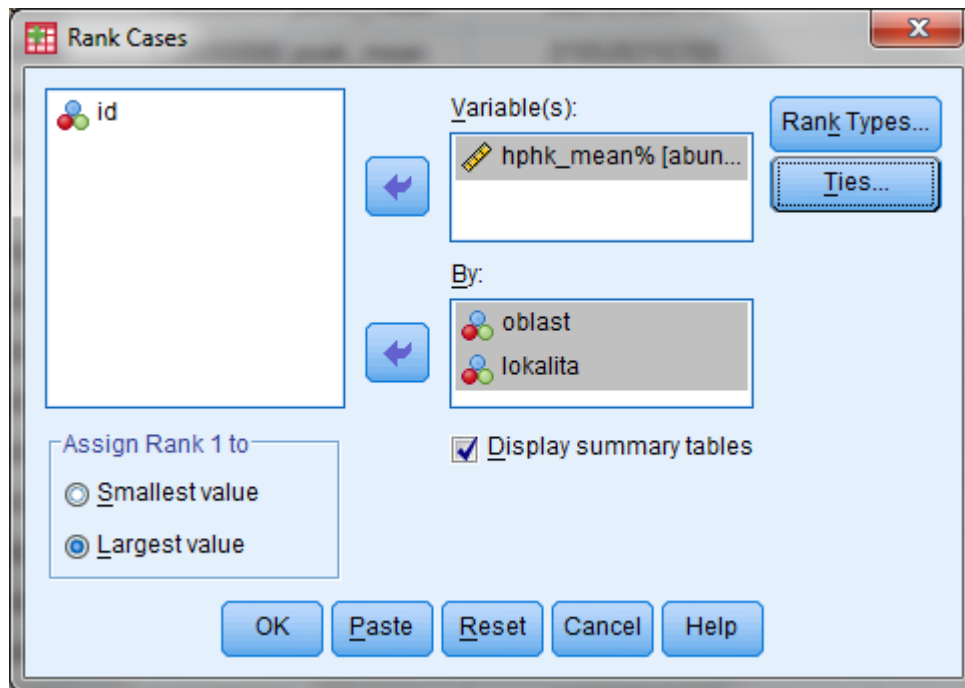
Seřazení druhů dle abundancí – popis pořadí taxonů



The screenshot shows the PASW Statistics Data Editor interface. The 'Transform' menu is open, and the 'Rank Cases...' option is highlighted. The data table below shows the following columns: 'id', 'abundance', and five 'var' columns. The 'abundance' column contains numerical values ranging from 0 to 186274509804. The 'var' columns contain values like 101,00000000 and 2,00000000.

	id	abundance	var	var	var	var	var
1	1	,443157894737					
2	1	,063157894737					
3	1	,010526315789					
4	1	,162105263158					
5	1	,187368421053					
6	1	,087368421053					
7	1	,0					
8	1	,026315789474					
9	1	,016842105263					
10	1	,003157894737					
11	2	,720588235294					
12	2	,0					
13	2	,0					
14	2	,186274509804					
15	2	,073529411765					
16	2	101,00000000	2,00000000	cchk_mean	,019607843137		
17	2	101,00000000	2,00000000	cpik_mean	,0		
18	2	101,00000000	2,00000000	phyk_mean	,0		
19	2	101,00000000	2,00000000	bryk_mean	,0		

Seřazení druhů dle abundancí – popis pořadí taxonů



Seřazení druhů dle abundancí – popis pořadí taxonů

*aggregate_rotate.sav [DataSet2] - PASW Statistics Data Editor

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Visible: 6 of 6 Variables

	id	oblast	lokalita	Index1	abundance	Rabundan	var	var	var	var
1	1	101,00000000	1,00000000	hphk_mean	,443157894737	1,000				
2	1	101,00000000	1,00000000	pglk_mean	,187368421053	2,000				
3	1	101,00000000	1,00000000	pfuk_mean	,162105263158	3,000				
4	1	101,00000000	1,00000000	cchk_mean	,087368421053	4,000				
5	1	101,00000000	1,00000000	pamk_mean	,063157894737	5,000				
6	1	101,00000000	1,00000000	phyk_mean	,026315789474	6,000				
7	1	101,00000000	1,00000000	bryk_mean	,016842105263	7,000				
8	1	101,00000000	1,00000000	psak_mean	,010526315789	8,000				
9	1	101,00000000	1,00000000	usnk_mean	,003157894737	9,000				
10	1	101,00000000	1,00000000	cpik_mean	,0	10,000				
11	2	101,00000000	2,00000000	hphk_mean	,720588235294	1,000				
12	2	101,00000000	2,00000000	pfuk_mean	,186274509804	2,000				
13	2	101,00000000	2,00000000	pglk_mean	,073529411765	3,000				
14	2	101,00000000	2,00000000	cchk_mean	,019607843137	4,000				
15	2	101,00000000	2,00000000	pamk_mean	,0	5,000				
16	2	101,00000000	2,00000000	psak_mean	,0	5,000				
17	2	101,00000000	2,00000000	cpik_mean	,0	5,000				
18	2	101,00000000	2,00000000	phyk_mean	,0	5,000				
19	2	101,00000000	2,00000000	bryk_mean	,0	5,000				

Data View Variable View

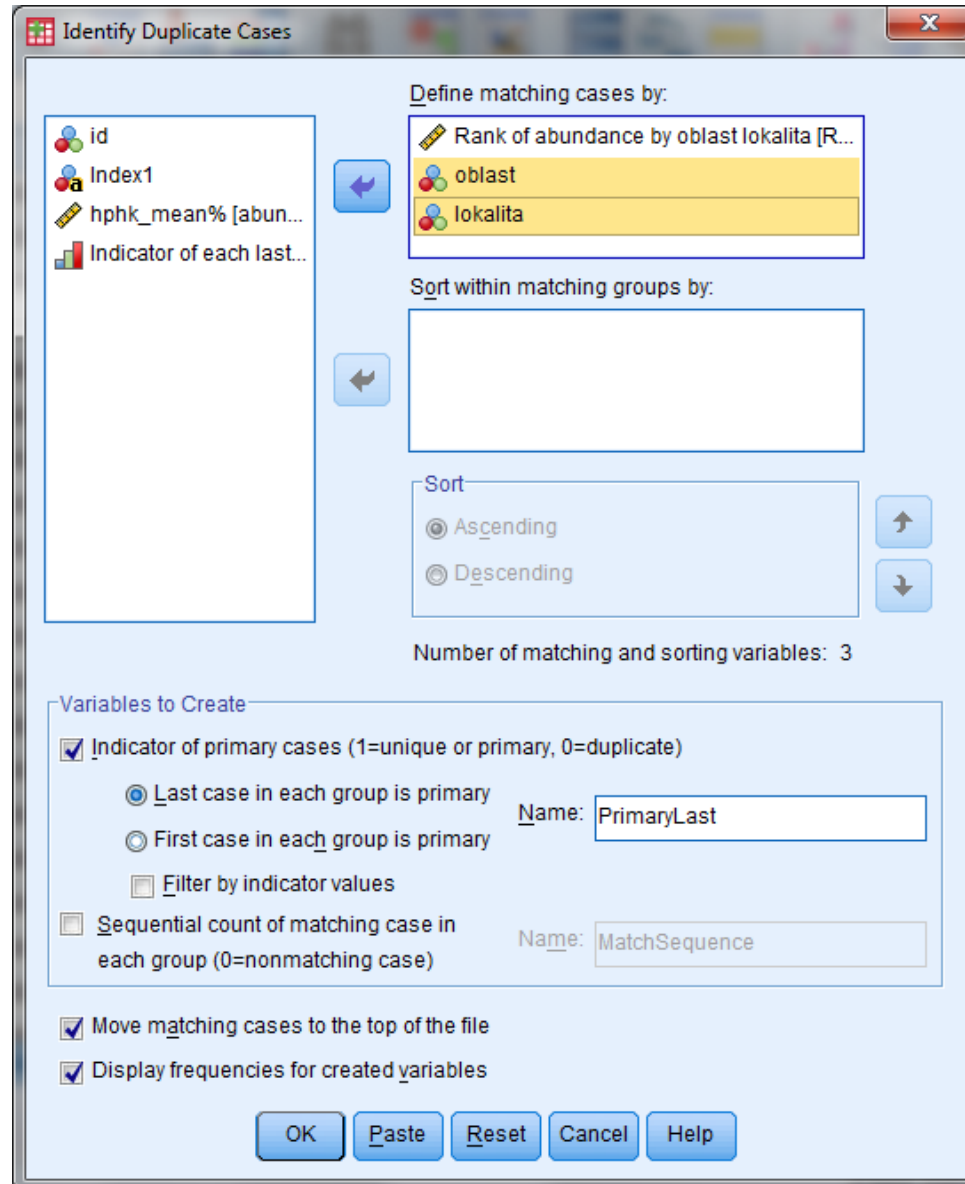
PASW Statistics Processor is ready

Odstranění duplicitních pořadí taxonů

The screenshot displays the PASW Statistics Data Editor interface. The 'Data' menu is open, and the 'Identify Duplicate Cases...' option is highlighted. The data table in the background contains the following information:

Index1	abundance	Rabundan	var	var	var	var
00 hphk_mean	,443157894737	1,000				
00 hphk_mean	,720588235294	1,000				
00 hphk_mean	,990131578947	1,000				
00 hphk_mean	,932773109244	1,000				
00 hphk_mean	1,000000000000	1,000				
00 hphk_mean	,601307189542	1,000				
00 hphk_mean	,943952802360	1,000				
00 hphk_mean	1,000000000000	1,000				
00 hphk_mean	,629820051414	1,000				
00 hphk_mean	,641975308642	1,000				
00 hphk_mean	,390070921986	1,000				
00 hphk_mean	,868471953578	1,000				
00 hphk_mean	,719457013575	1,000				
00 hphk_mean	,807971014493	1,000				
00 hphk_mean	,969171483622	1,000				
00 hphk_mean	1,000000000000	1,000				
00 hphk_mean	1,000000000000	1,000				
00 hphk_mean	1,000000000000	1,000				
19	102,00000000	4,00000000	hphk_mean	1,000000000000		

Odstranění duplicitních pořadí taxonů



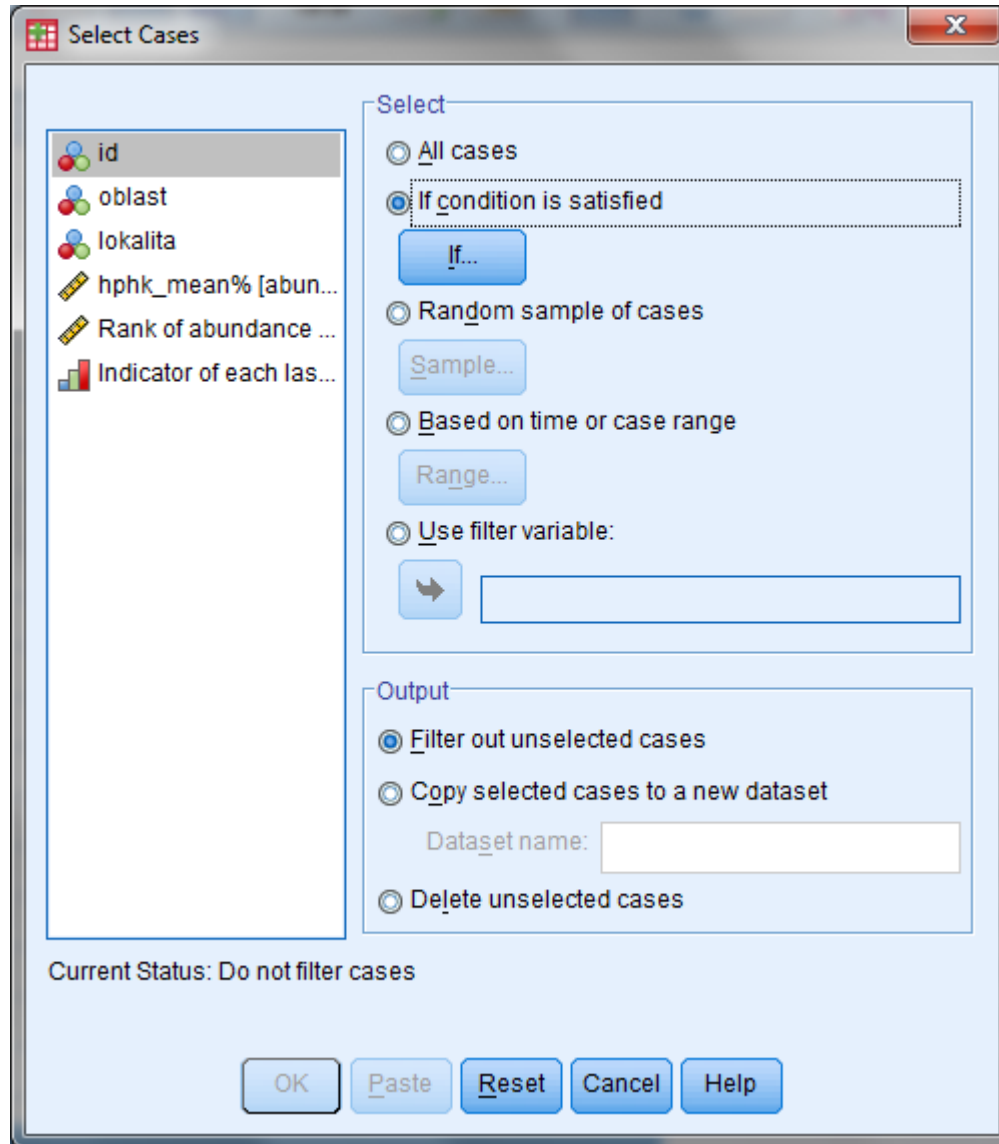
Odstranění duplicitních pořadí taxonů

The screenshot shows the PASW Statistics Data Editor interface. The main window displays a data table with the following columns: Index1, abundance, Rabundan, PrimaryLast, var, var, and val. The data is organized into rows, with some rows labeled as 'Duplicate Case'.

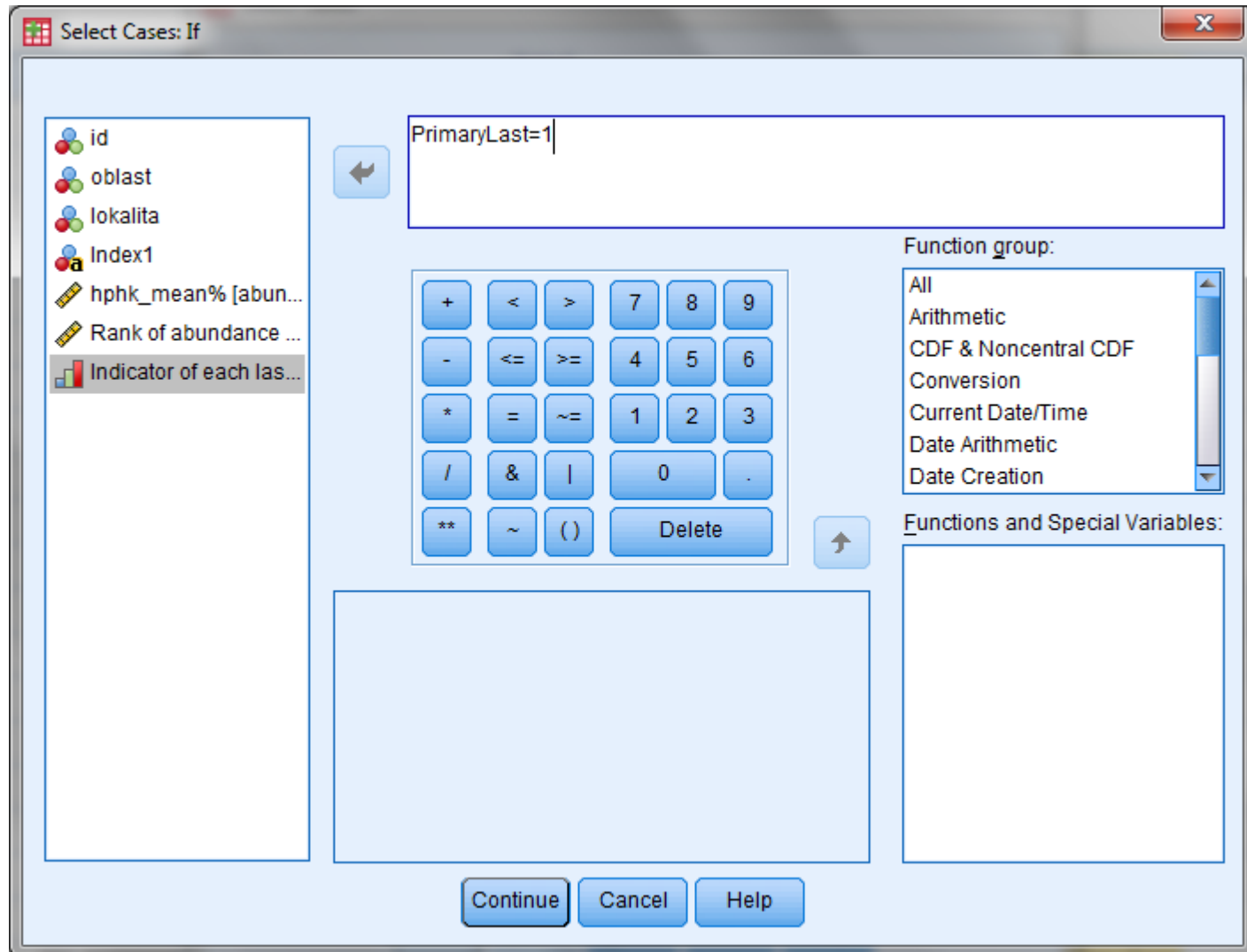
	Index1	abundance	Rabundan	PrimaryLast	var	var	val
1	00 hphk_mean	,443157894737	1,000	Primary Case			
2	00 pglk_mean	,187368421053	2,000	Primary Case			
3	00 pfuk_mean	,162105263158	3,000	Primary Case			
4	00 cchk_mean	,087368421053	4,000	Primary Case			
5	00 pamk_mean	,063157894737	5,000	Primary Case			
6	00 phyk_mean	,026315789474	6,000	Primary Case			
7	00 bryk_mean	,016842105263	7,000	Primary Case			
8	00 psak_mean	,010526315789	8,000	Primary Case			
9	00 usnk_mean	,003157894737	9,000	Primary Case			
10	00 cpik_mean	,0	10,000	Primary Case			
11	00 hphk_mean	,720588235294	1,000	Primary Case			
12	00 pfuk_mean	,186274509804	2,000	Primary Case			
13	00 pglk_mean	,073529411765	3,000	Primary Case			
14	00 cchk_mean	,019607843137	4,000	Primary Case			
15	00 pamk_mean	,0	5,000	Duplicate Case			
16	00 psak_mean	,0	5,000	Duplicate Case			
17	00 cpik_mean	,0	5,000	Duplicate Case			
18	00 phyk_mean	,0	5,000	Duplicate Case			
19	2 101,00000000	2,00000000	5,000	Duplicate Case			
20	2 101,00000000	2,00000000	5,000	Primary Case			

The 'Data' menu is open, and the 'Select Cases...' option is highlighted. The status bar at the bottom shows 'Select Cases...' and 'PASW Statistics Processor is ready'.

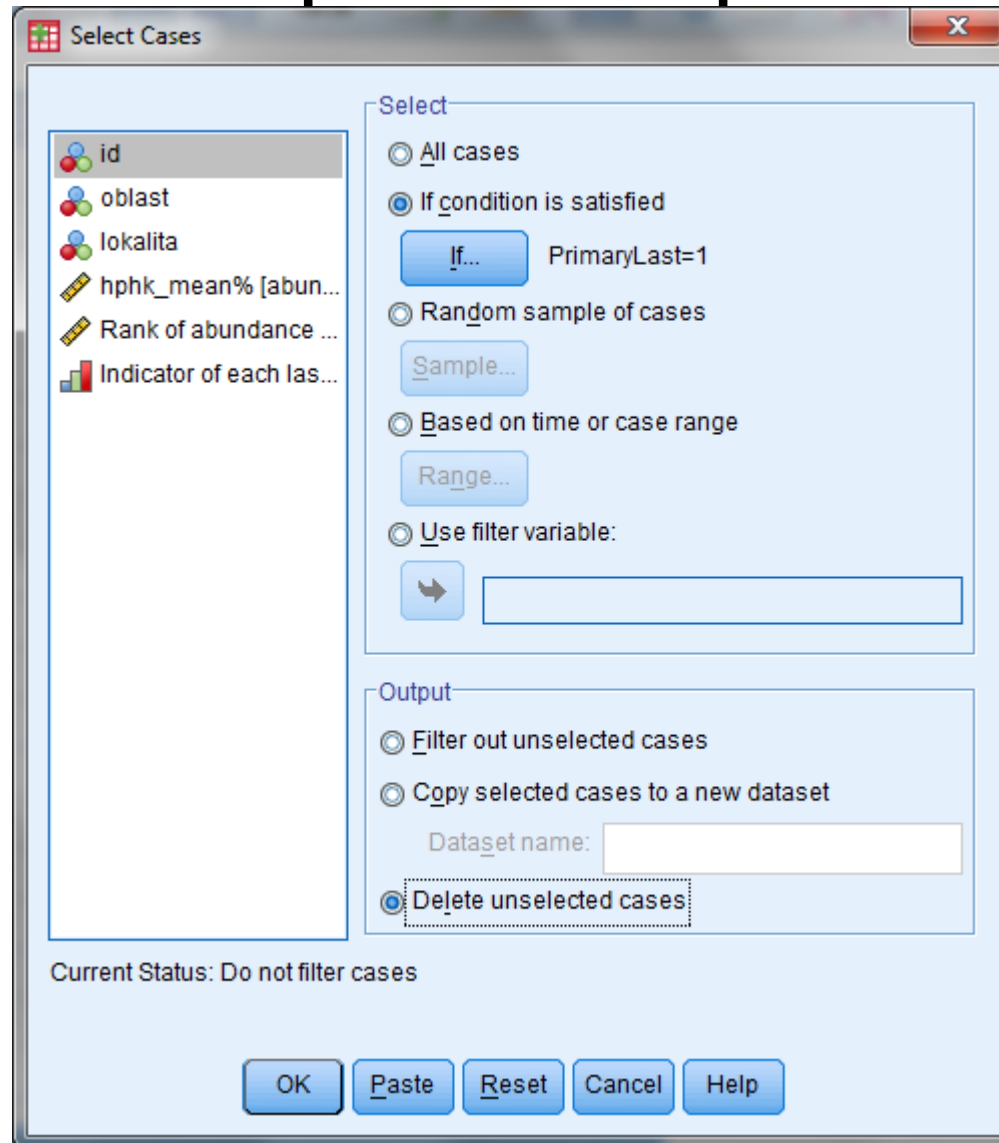
Odstranění duplicitních pořadí taxonů



Odstranění duplicitních pořadí taxonů



Odstranění duplicitních pořadí taxonů



Odstranění duplicitních pořadí taxonů

*aggregate_rotate.sav [DataSet3] - PASW Statistics Data Editor

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1: PrimaryLast 0 Visible: 7 of 7 Variables

	id	oblast	lokalita	Index1	abundance	Rabundan	PrimaryLast	var	var	var
1	1	101,00000000	1,00000000	hphk_mean	,443157894737	1,000	Primary Case			
2	1	101,00000000	1,00000000	pglk_mean	,187368421053	2,000	Primary Case			
3	1	101,00000000	1,00000000	pfuk_mean	,162105263158	3,000	Primary Case			
4	1	101,00000000	1,00000000	cchk_mean	,087368421053	4,000	Primary Case			
5	1	101,00000000	1,00000000	pamk_mean	,063157894737	5,000	Primary Case			
6	1	101,00000000	1,00000000	phyk_mean	,026315789474	6,000	Primary Case			
7	1	101,00000000	1,00000000	bryk_mean	,016842105263	7,000	Primary Case			
8	1	101,00000000	1,00000000	psak_mean	,010526315789	8,000	Primary Case			
9	1	101,00000000	1,00000000	usnk_mean	,003157894737	9,000	Primary Case			
10	1	101,00000000	1,00000000	cpik_mean	,0	10,000	Primary Case			
11	2	101,00000000	2,00000000	hphk_mean	,720588235294	1,000	Primary Case			
12	2	101,00000000	2,00000000	pfuk_mean	,186274509804	2,000	Primary Case			
13	2	101,00000000	2,00000000	pglk_mean	,073529411765	3,000	Primary Case			
14	2	101,00000000	2,00000000	cchk_mean	,019607843137	4,000	Primary Case			
15	2	101,00000000	2,00000000	usnk_mean	,0	5,000	Primary Case			
16	3	101,00000000	3,00000000	hphk_mean	,990131578947	1,000	Primary Case			
17	3	101,00000000	3,00000000	pglk_mean	,009868421053	2,000	Primary Case			
18	3	101,00000000	3,00000000	usnk_mean	,0	3,000	Primary Case			
19	4	101,00000000	4,00000000	hphk_mean	,932773109244	1,000	Primary Case			
20	4	101,00000000	4,00000000	palk_mean	,067226890756	2,000	Primary Case			

Data View Variable View

PASW Statistics Processor is ready

Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)

The screenshot shows the PASW Statistics Data Editor interface. The 'Data' menu is open, and the 'Restructure...' option is highlighted. The data table displays variables sorted by abundance, with the 'abundance' column highlighted in yellow. The 'Rabundan' column shows the corresponding abundance values for each variable.


Index1	abundance	Rabundan	var	var	var	var
00 hphk_mean	,443157894737	1,000				
00 pglk_mean	,187368421053	2,000				
00 pfuk_mean	,162105263158	3,000				
00 cchk_mean	,087368421053	4,000				
00 pamk_mean	,063157894737	5,000				
00 phyk_mean	,026315789474	6,000				
00 bryk_mean	,016842105263	7,000				
00 psak_mean	,010526315789	8,000				
00 usnk_mean	,003157894737	9,000				
00 cpik_mean	,0	10,000				
00 hphk_mean	,720588235294	1,000				
00 pfuk_mean	,186274509804	2,000				
00 pglk_mean	,073529411765	3,000				
00 cchk_mean	,019607843137	4,000				
00 pamk_mean	,0	5,000				
00 psak_mean	,0	5,000				
00 cpik_mean	,0	5,000				
00 phyk_mean	,0	5,000				
00 bryk_mean	,0	5,000				

Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)

Restructure Data Wizard

Welcome to the Restructure Data Wizard!

This wizard helps you to restructure your data from multiple variables (columns) in a single case to groups of related cases (rows) or vice versa, or you can choose to transpose your data.

 The wizard replaces the current data set with the restructured data. Note that data restructuring cannot be undone.

What do you want to do?

Restructure selected variables into cases

Use this when each case in your current data has some variables that you would like to rearrange into groups of related cases in the new data set.

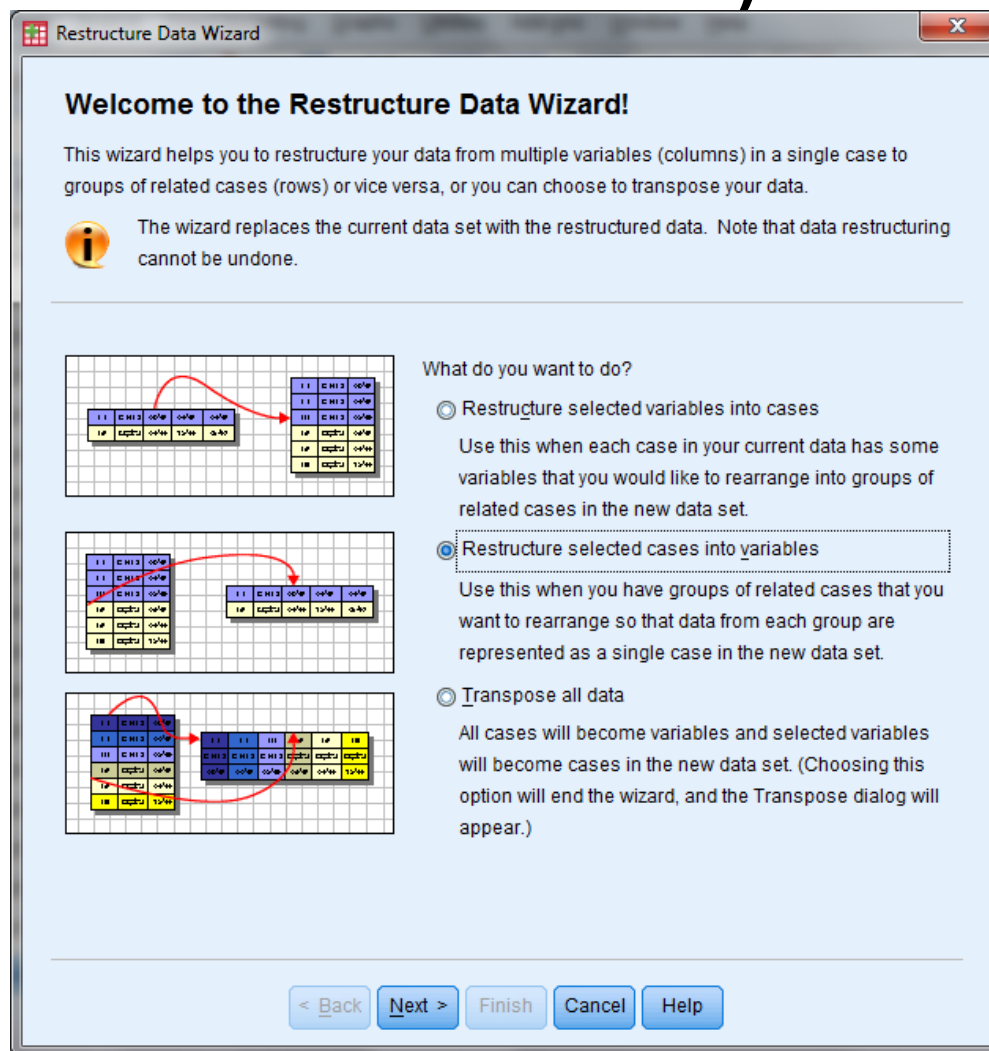
Restructure selected cases into variables

Use this when you have groups of related cases that you want to rearrange so that data from each group are represented as a single case in the new data set.

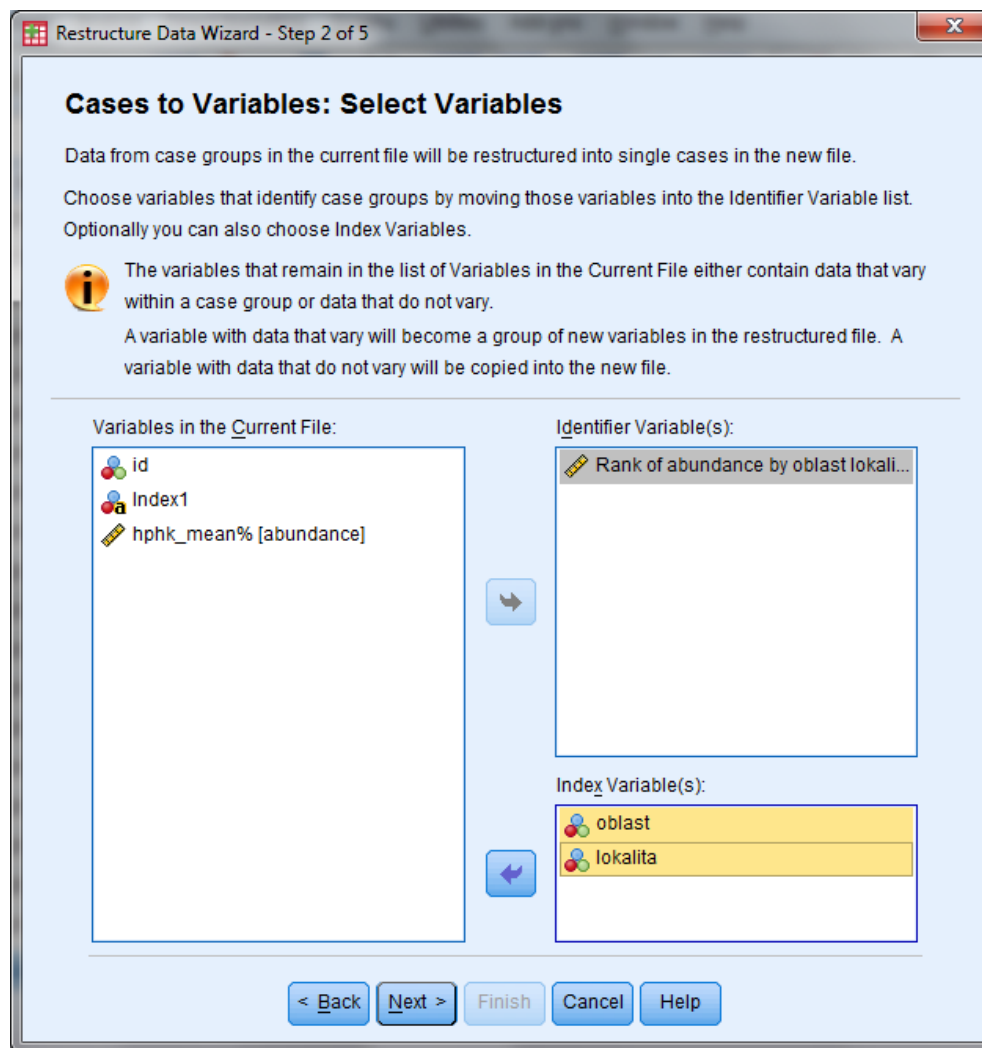
Transpose all data

All cases will become variables and selected variables will become cases in the new data set. (Choosing this option will end the wizard, and the Transpose dialog will appear.)

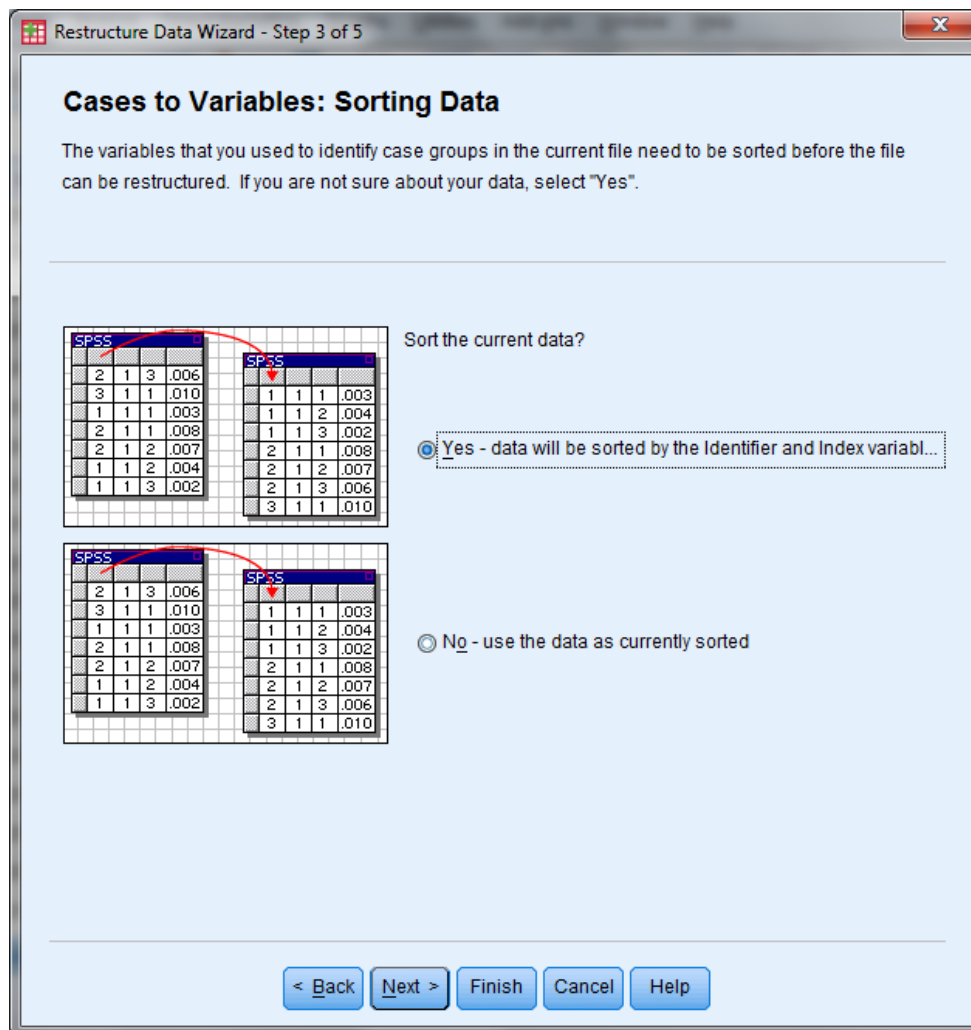
< Back Next > Finish Cancel Help



Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)



Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)



Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)

Restructure Data Wizard - Step 4 of 5

Cases to Variables: Options

In this step you can set options that will be applied to the restructured data file.

Order of New Variable Groups

- Group by original variable (for example: w1 w2 w3, h1 h2 h3)
- Group by index(for example: w1 h1, w2 h2, w3 h3)

Case Count Variable

Count the number of cases in the current data used to create a new case

Name:

Label:

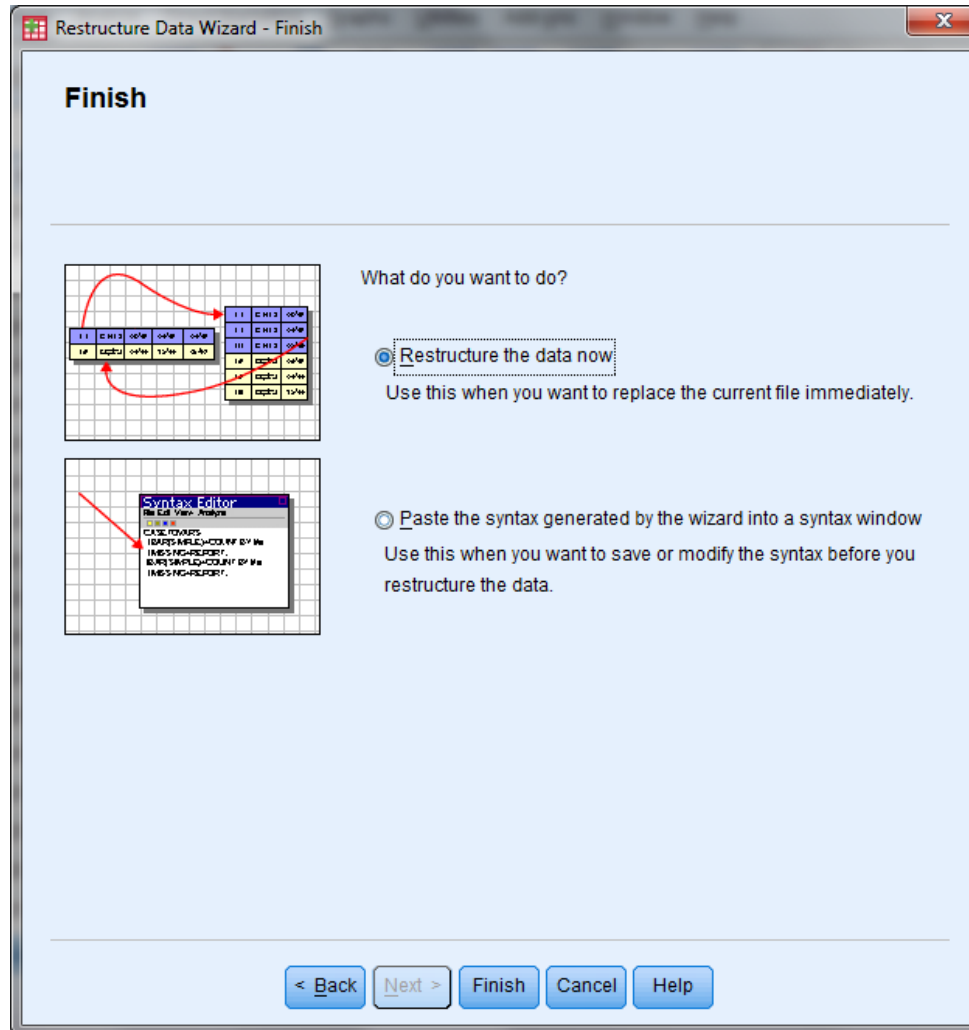
Indicator Variables

Create indicator variables

Root Name:

< Back Next > Finish Cancel Help

Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)



Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)

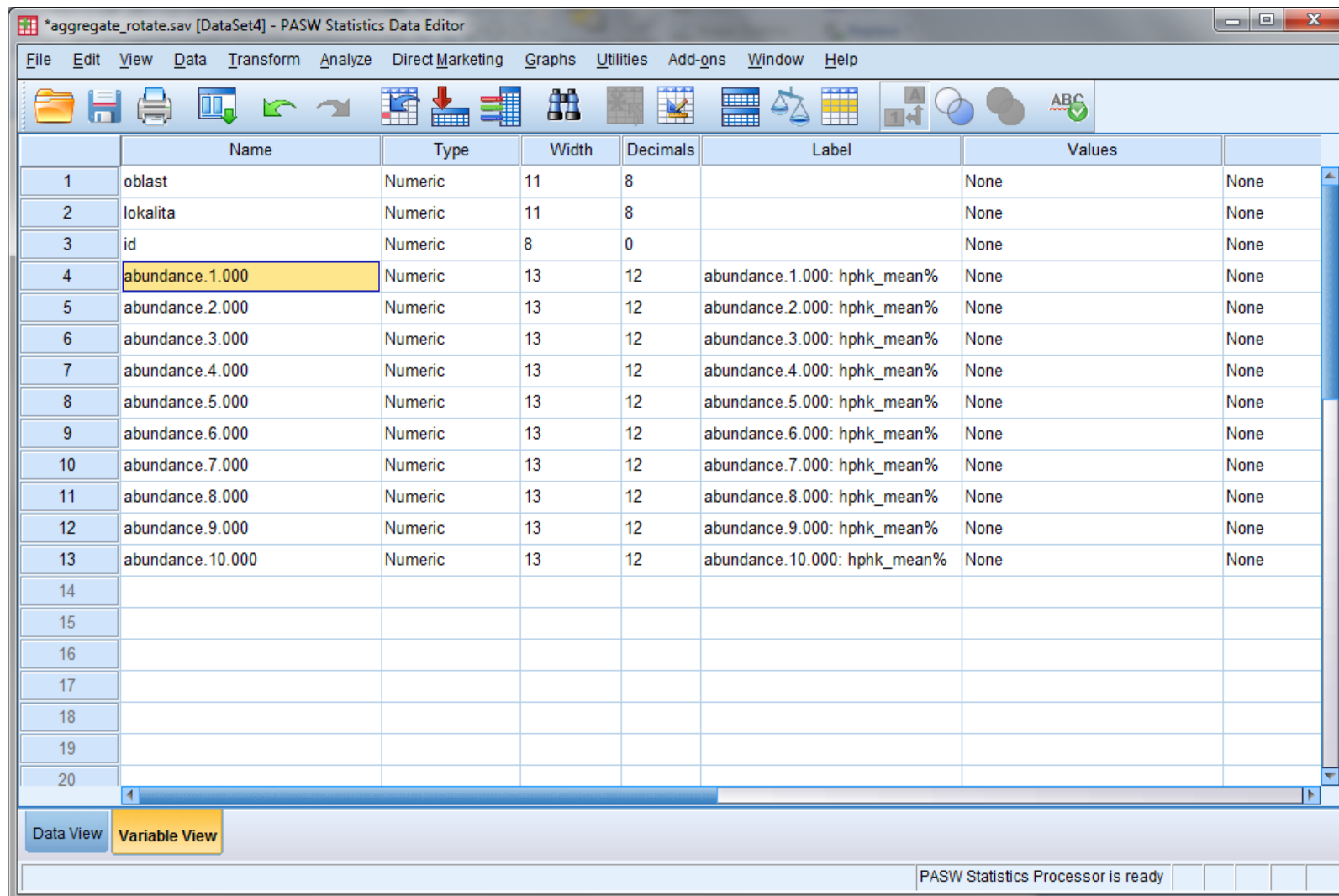
Visible: 24 of 24 Variables

	oblast	lokalita	id	PrimaryLast	Index1.1.000	Index1.2.000	Index1.3.000	Index1.4.000	Index1.5.000	Index1.6.000
1	101,00000000	1,00000000	1	Primary Case	hphk_mean	pglk_mean	pfuk_mean	cchk_mean	pamk_mean	phyk_mean
2	101,00000000	2,00000000	2	Primary Case	hphk_mean	pfuk_mean	pglk_mean	cchk_mean	usnk_mean	
3	101,00000000	3,00000000	3	Primary Case	hphk_mean	pglk_mean	usnk_mean			
4	101,00000000	4,00000000	4	Primary Case	hphk_mean	pglk_mean	usnk_mean			
5	101,00000000	5,00000000	5	Primary Case	hphk_mean	usnk_mean				
6	101,00000000	6,00000000	6	Primary Case	hphk_mean	pglk_mean	pfuk_mean	usnk_mean		
7	101,00000000	7,00000000	7	Primary Case	hphk_mean	pglk_mean	usnk_mean			
8	101,00000000	8,00000000	8	Primary Case	hphk_mean	usnk_mean				
9	101,00000000	9,00000000	9	Primary Case	hphk_mean	pglk_mean	pfuk_mean	usnk_mean		
10	101,00000000	10,00000000	10	Primary Case	hphk_mean	pfuk_mean	pglk_mean	cchk_mean	usnk_mean	bryk_mean
11	101,00000000	11,00000000	11	Primary Case	hphk_mean	pglk_mean	pfuk_mean	pamk_mean	cchk_mean	usnk_mean
12	101,00000000	12,00000000	12	Primary Case	hphk_mean	cchk_mean	pglk_mean	usnk_mean		
13	101,00000000	13,00000000	13	Primary Case	hphk_mean	pamk_mean	pglk_mean	pfuk_mean	usnk_mean	
14	101,00000000	14,00000000	14	Primary Case	hphk_mean	pglk_mean	psak_mean	usnk_mean		
15	101,00000000	15,00000000	15	Primary Case	hphk_mean	pglk_mean	pfuk_mean	usnk_mean		
16	102,00000000	1,00000000	16	Primary Case	hphk_mean	usnk_mean				
17	102,00000000	2,00000000	17	Primary Case	hphk_mean	usnk_mean				
18	102,00000000	3,00000000	18	Primary Case	hphk_mean	usnk_mean				

Data View Variable View

PASW Statistics Processor is ready

Seřazení druhů dle abundancí – rotace druhů do sloupců (seřazených dle abundance)



The screenshot shows the PASW Statistics Data Editor interface. The main window displays a list of variables in a table format. The variables are sorted by name, and the 'abundance' variables are highlighted in yellow. The table has columns for Name, Type, Width, Decimals, Label, and Values. The 'abundance' variables are labeled as 'abundance.1.000: hphk_mean%' through 'abundance.10.000: hphk_mean%'. The 'Values' column for all variables is 'None'. The interface includes a menu bar (File, Edit, View, Data, Transform, Analyze, Direct Marketing, Graphs, Utilities, Add-ons, Window, Help) and a toolbar with various icons. The status bar at the bottom indicates 'PASW Statistics Processor is ready'.

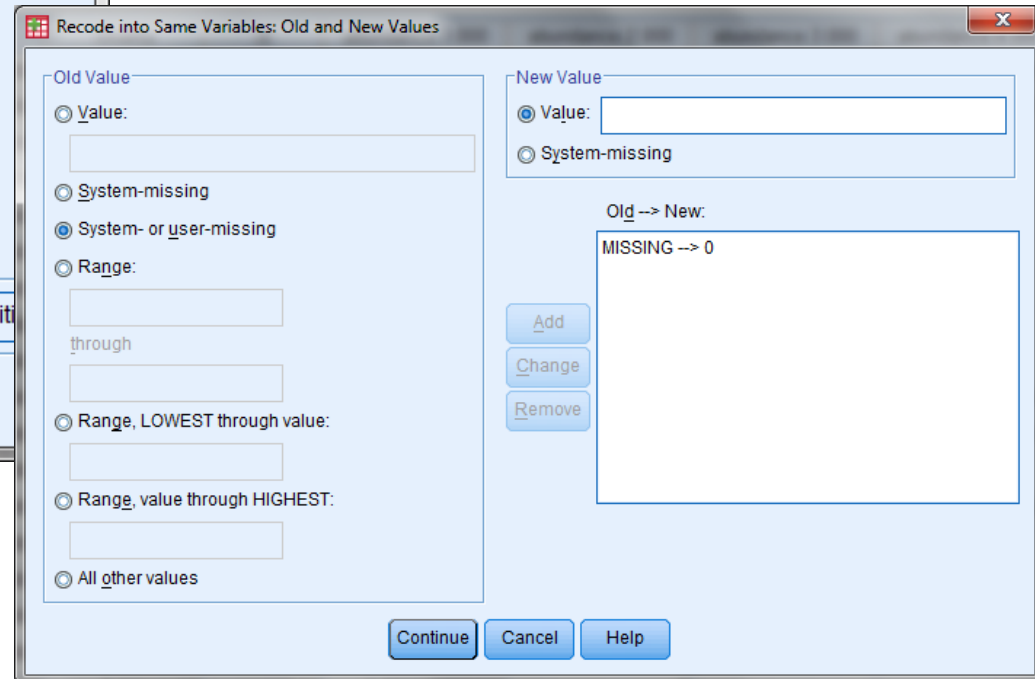
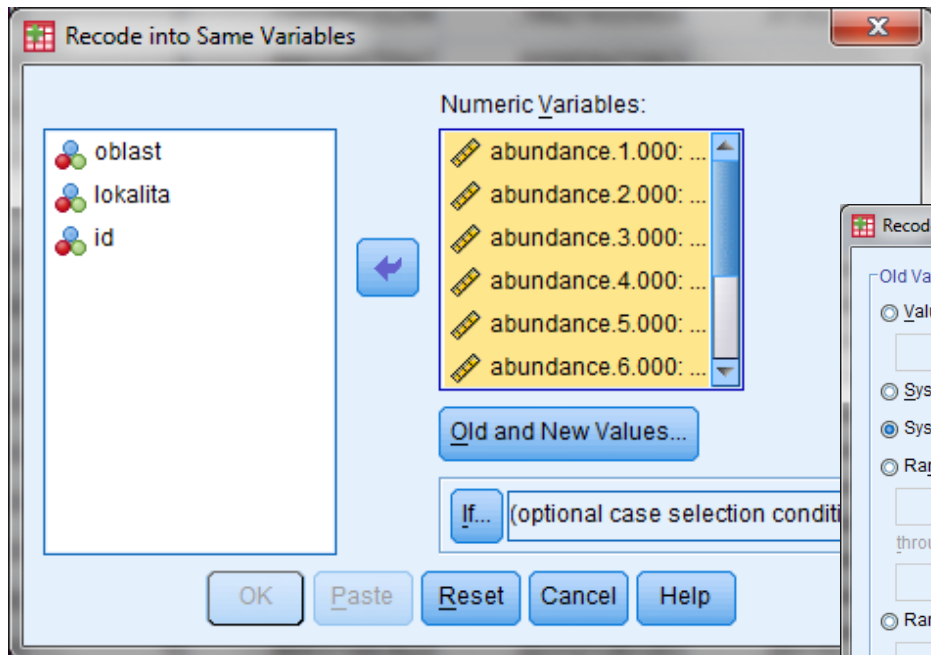
	Name	Type	Width	Decimals	Label	Values	
1	oblast	Numeric	11	8		None	None
2	lokalita	Numeric	11	8		None	None
3	id	Numeric	8	0		None	None
4	abundance.1.000	Numeric	13	12	abundance.1.000: hphk_mean%	None	None
5	abundance.2.000	Numeric	13	12	abundance.2.000: hphk_mean%	None	None
6	abundance.3.000	Numeric	13	12	abundance.3.000: hphk_mean%	None	None
7	abundance.4.000	Numeric	13	12	abundance.4.000: hphk_mean%	None	None
8	abundance.5.000	Numeric	13	12	abundance.5.000: hphk_mean%	None	None
9	abundance.6.000	Numeric	13	12	abundance.6.000: hphk_mean%	None	None
10	abundance.7.000	Numeric	13	12	abundance.7.000: hphk_mean%	None	None
11	abundance.8.000	Numeric	13	12	abundance.8.000: hphk_mean%	None	None
12	abundance.9.000	Numeric	13	12	abundance.9.000: hphk_mean%	None	None
13	abundance.10.000	Numeric	13	12	abundance.10.000: hphk_mean%	None	None
14							
15							
16							
17							
18							
19							
20							

Doplnění nulových abundancí

The screenshot shows the PASW Statistics Data Editor interface. The 'Transform' menu is open, and the 'Recode into Same Variables...' option is selected. The data table below shows the following columns: 'oblast', 'ce.1.000', 'abundance.2.000', 'abundance.3.000', 'abundance.4.000', and 'abundance.5.000'. The status bar at the bottom indicates 'Recode into Same Variables...' and 'PASW Statistics Processor is ready'.

	oblast	ce.1.000	abundance.2.000	abundance.3.000	abundance.4.000	abundance.5.000
1	101,0000	157894737	,187368421053	,162105263158	,087368421053	,063157894737
2	101,0000	588235294	,186274509804	,073529411765	,019607843137	,0
3	101,0000	131578947	,009868421053	,0	.	.
4	101,0000	773109244	,067226890756	,0	.	.
5	101,0000	000000000	,0	.	.	.
6	101,0000	307189542	,294117647059	,104575163399	,0	.
7	101,0000	952802360	,056047197640	,0	.	.
8	101,0000	000000000	,0	.	.	.
9	101,0000	320051414	,267352185090	,102827763496	,0	.
10	101,0000	975308642	,175308641975	,123456790123	,051851851852	,007407407407
11	101,0000	070921986	,219858156028	,212765957447	,141843971631	,035460992908
12	101,0000	471953578	,073500967118	,058027079304	,0	.
13	101,0000	457013575	,158371040724	,054298642534	,013574660633	,0
14	101,0000	971014493	,181159420290	,010869565217	,0	.
15	101,0000	171483622	,023121387283	,007707129094	,0	.
16	102,00000000	1,000000000	16	1,00000000000000	,0	.
17	102,00000000	2,000000000	17	1,00000000000000	,0	.
18	102,00000000	3,000000000	18	1,00000000000000	,0	.

Doplnění nulových abundancí



Doplnění nulových abundancí

*aggregate_rotate_graf.sav [DataSet4] - PASW Statistics Data Editor

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

Visible: 13 of 13 Variables

	oblast	lokalita	id	abundance.1.000	abundance.2.000	abundance.3.000	abundance.4.000	abundance.5.000
1	101,00000000	1,00000000	1	,443157894737	,187368421053	,162105263158	,087368421053	,063157894737
2	101,00000000	2,00000000	2	,720588235294	,186274509804	,073529411765	,019607843137	,0
3	101,00000000	3,00000000	3	,990131578947	,009868421053	,0	,0	,0
4	101,00000000	4,00000000	4	,932773109244	,067226890756	,0	,0	,0
5	101,00000000	5,00000000	5	1,000000000000	,0	,0	,0	,0
6	101,00000000	6,00000000	6	,601307189542	,294117647059	,104575163399	,0	,0
7	101,00000000	7,00000000	7	,943952802360	,056047197640	,0	,0	,0
8	101,00000000	8,00000000	8	1,000000000000	,0	,0	,0	,0
9	101,00000000	9,00000000	9	,629820051414	,267352185090	,102827763496	,0	,0
10	101,00000000	10,00000000	10	,641975308642	,175308641975	,123456790123	,051851851852	,007407407407
11	101,00000000	11,00000000	11	,390070921986	,219858156028	,212765957447	,141843971631	,035460992908
12	101,00000000	12,00000000	12	,868471953578	,073500967118	,058027079304	,0	,0
13	101,00000000	13,00000000	13	,719457013575	,158371040724	,054298642534	,013574660633	,0
14	101,00000000	14,00000000	14	,807971014493	,181159420290	,010869565217	,0	,0
15	101,00000000	15,00000000	15	,969171483622	,023121387283	,007707129094	,0	,0
16	102,00000000	1,00000000	16	1,000000000000	,0	,0	,0	,0
17	102,00000000	2,00000000	17	1,000000000000	,0	,0	,0	,0
18	102,00000000	3,00000000	18	1,000000000000	,0	,0	,0	,0

Data View Variable View

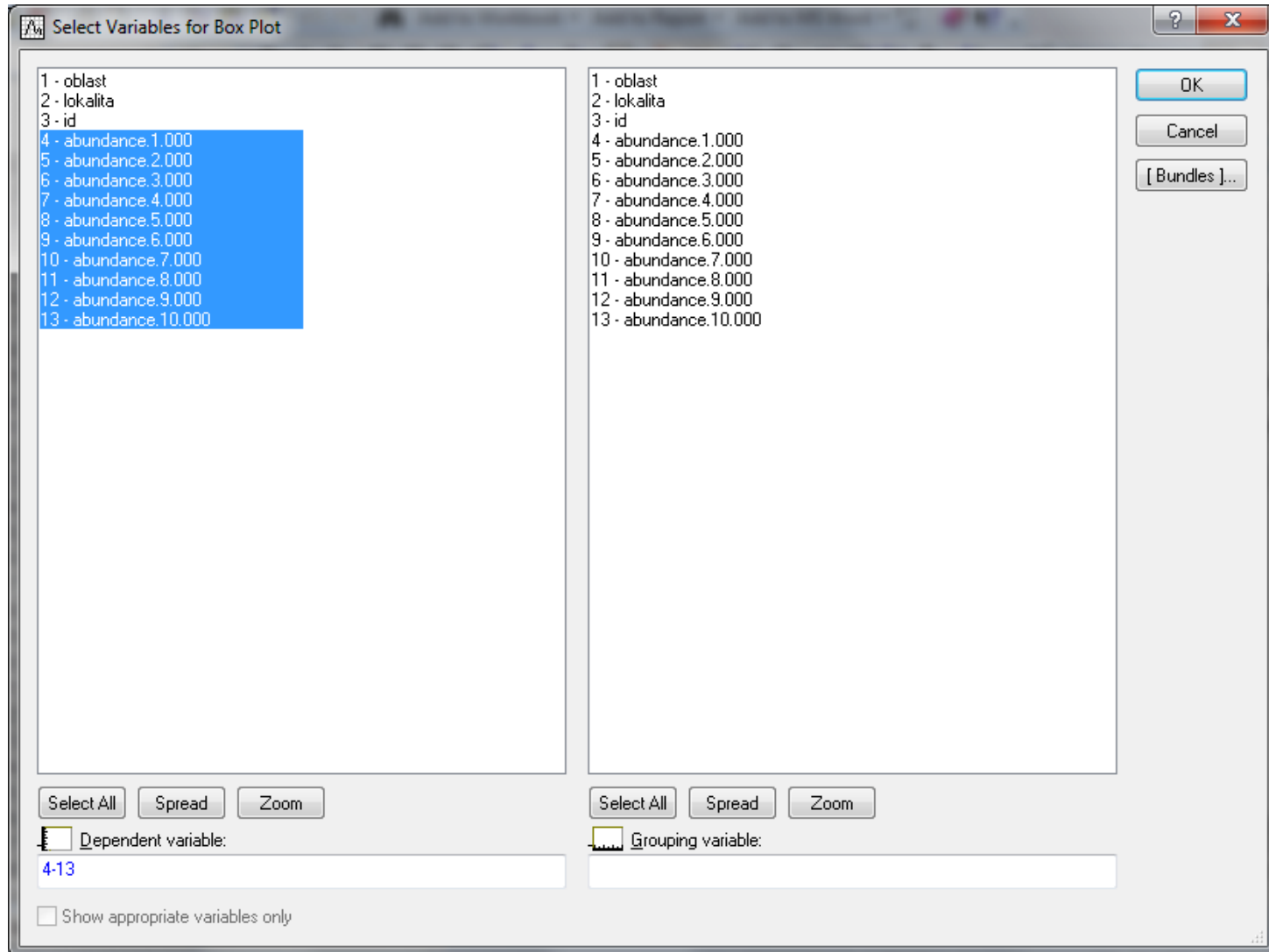
PASW Statistics Processor is ready

Vizualizace species abundance curve

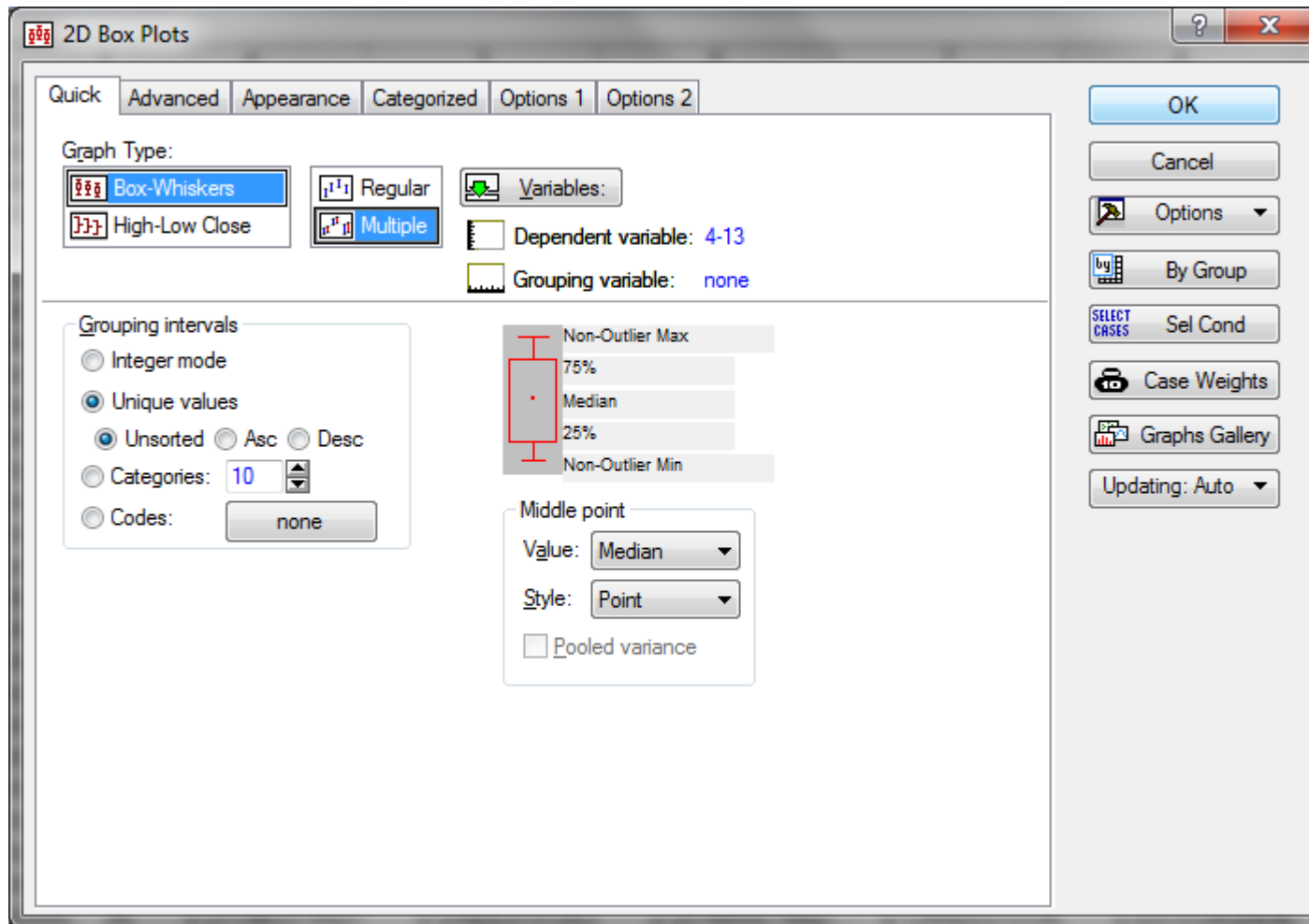
The screenshot shows the STATISTICA software interface. The main window displays a data table with columns for 'oblast', 'lokalita', 'id', 'abundance', and several numerical columns. A menu is open over the 'abundance' column, showing options for various graph types, with '2D Box Plots' selected. The status bar at the bottom indicates 'Creates 2D Box Plots' and shows the current data file and variables.

	1 oblast	2 lokalita	3 id	abund	6 abundance.3.000	7 abundance.4.000	8 abundance.5.000	9 abundance.6.0
1	101.00000000	1.00000000	1	0.44		68421053	0.063157894737	0.026315789
2	101.00000000	2.00000000	2	0.72		07843137	0.000000000000	0.000000000
3	101.00000000	3.00000000	3	0.99		00000000	0.000000000000	0.000000000
4	101.00000000	4.00000000	4	0.93		00000000	0.000000000000	0.000000000
5	101.00000000	5.00000000	5	1.00		00000000	0.000000000000	0.000000000
6	101.00000000	6.00000000	6	0.60		00000000	0.000000000000	0.000000000
7	101.00000000	7.00000000	7	0.94		00000000	0.000000000000	0.000000000
8	101.00000000	8.00000000	8	1.00		00000000	0.000000000000	0.000000000
9	101.00000000	9.00000000	9	0.62		00000000	0.000000000000	0.000000000
10	101.00000000	10.00000000	10	0.64		00000000	0.000000000000	0.000000000
11	101.00000000	11.00000000	11	0.39		51851852	0.007407407407	0.000000000
12	101.00000000	12.00000000	12	0.86		43971631	0.035460992908	0.000000000
13	101.00000000	13.00000000	13	0.71		00000000	0.000000000000	0.000000000
14	101.00000000	14.00000000	14	0.80		74660633	0.000000000000	0.000000000
15	101.00000000	15.00000000	15	0.969171483622	0.0231213872	00000000	0.000000000000	0.000000000
16	102.00000000	1.00000000	16	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
17	102.00000000	2.00000000	17	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
18	102.00000000	3.00000000	18	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
19	102.00000000	4.00000000	19	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
20	102.00000000	5.00000000	20	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
21	102.00000000	6.00000000	21	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
22	102.00000000	7.00000000	22	1.000000000000	0.000000000000	00000000	0.000000000000	0.000000000
23	102.00000000	8.00000000	23	0.920634920635	0.0793650793	00000000	0.000000000000	0.000000000
24	102.00000000	9.00000000	24	0.979310344828	0.0206896551	00000000	0.000000000000	0.000000000
25	102.00000000	10.00000000	25	0.925925925926	0.0740740740	00000000	0.000000000000	0.000000000
26	103.00000000	1.00000000	26	0.277985074627	0.274253731343	0.251865671642	0.139925373134	0.037313432836
27	103.00000000	2.00000000	27	0.307464892831	0.269770879527	0.229120473023	0.123429416112	0.029563932003
28	103.00000000	3.00000000	28	0.282392026578	0.269102990033	0.083056478405	0.058139534884	0.024916943522

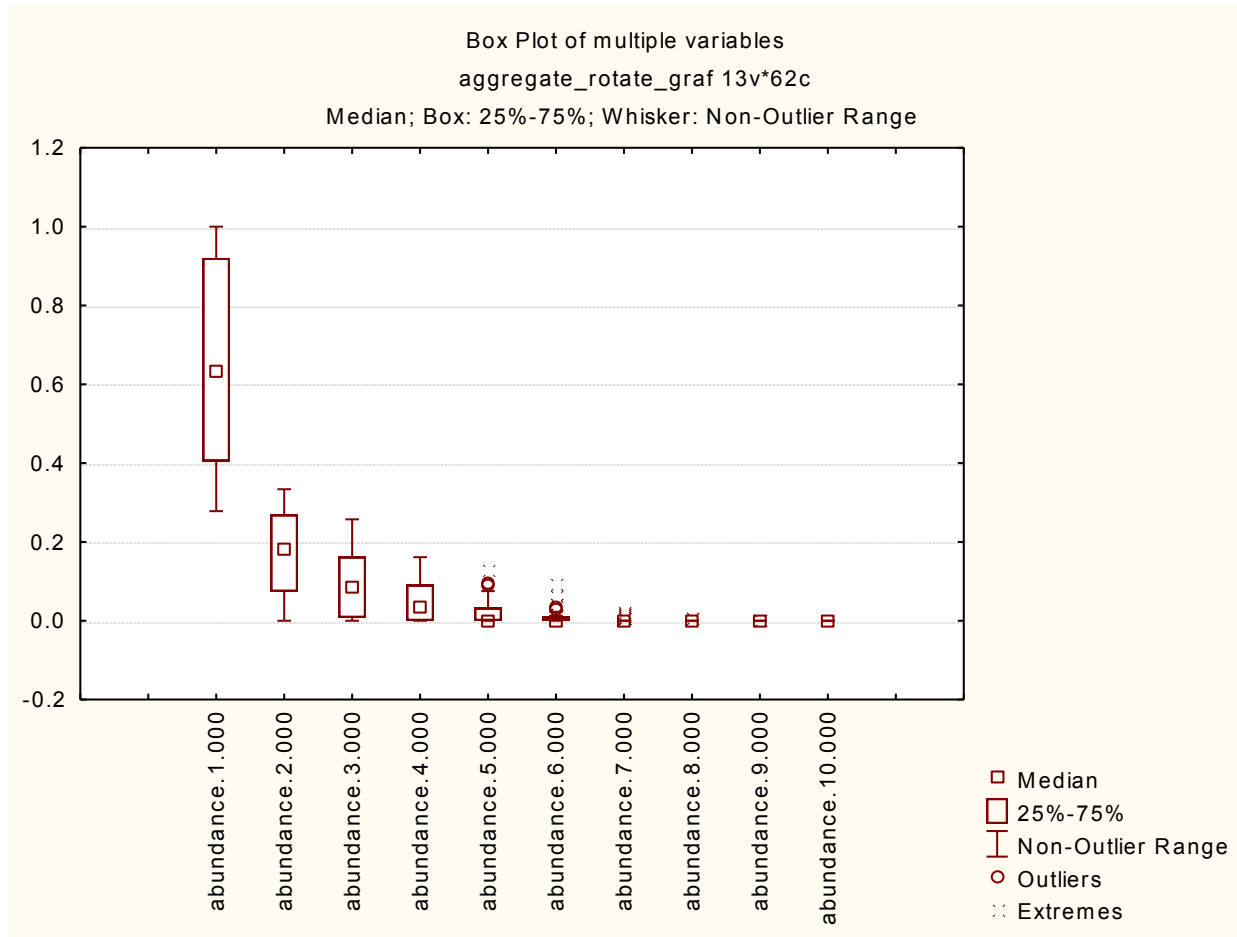
Vizualizace species abundance curve



Vizualizace species abundance curve



Vizualizace species abundance curve



Vizualizace species abundance curve

STATISTICA - [Data: aggregate_rotate_graf* (13v by 62c)]

File Edit View Insert Format Statistics Data Mining Graphs Tools Data Window Help

Resume... Ctrl+R

Add to MS Word

Arial 10 B I U

Graphs menu:

- Histograms...
- Scatterplots...
- Means w/Error Plots...
- Surface Plots...
- 2D Graphs**
- 3D Sequential Graphs
- 3D XYZ Graphs
- Matrix Plots...
- Icon Plots...
- Categorized Graphs
- User-defined Graphs
- Graphs of Block Data
- Graphs of Input Data
- Batch (ByGroup) Analysis
- Multiple Graph Layouts

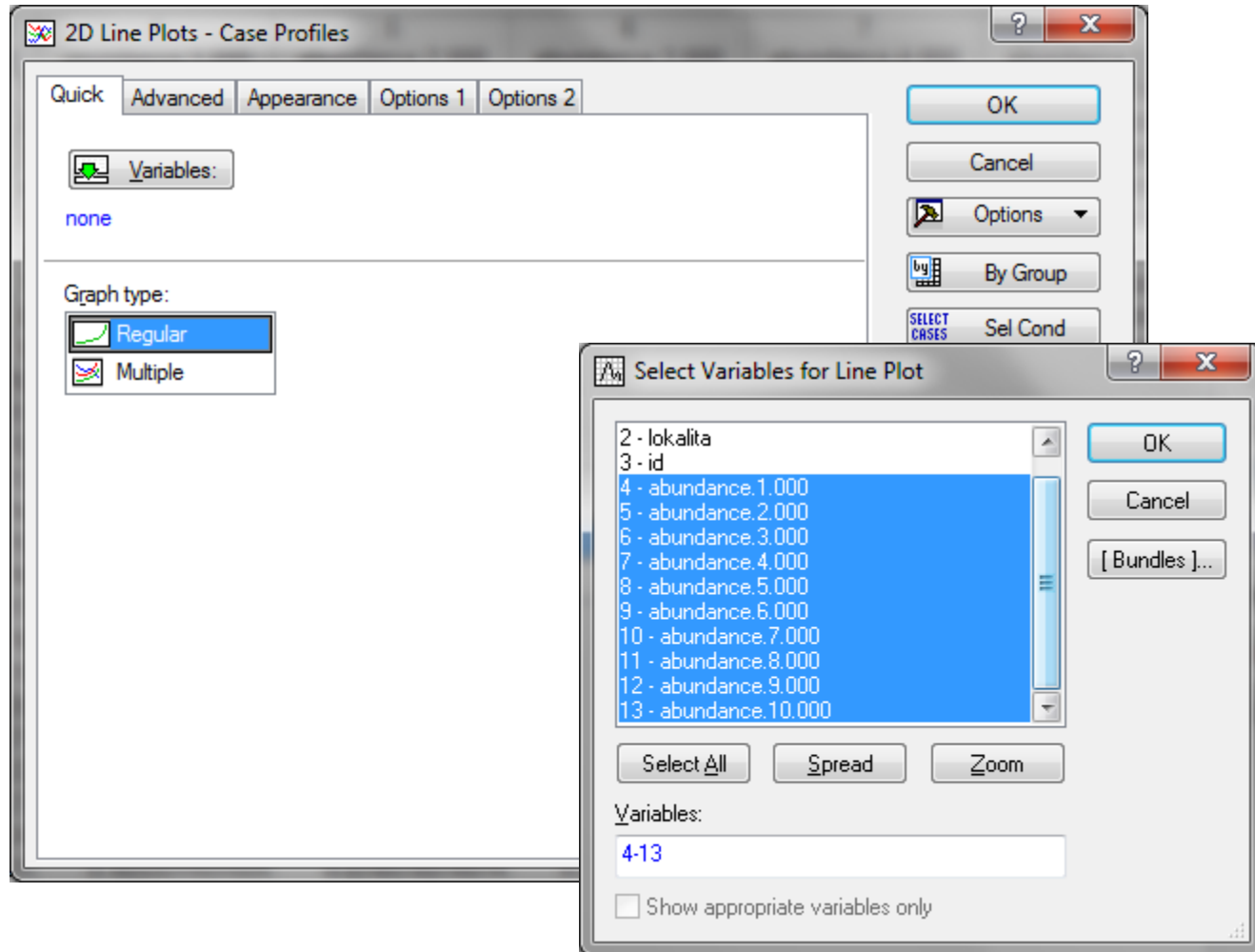
	1 oblast	2 lokalita	3 id	abund	6 abundance.3.000	7 abundance.4.000	8 abundance.5.000	9 abundance.6.0
1	101.00000000	1.00000000	1	0.44		68421053	0.063157894737	0.026315789
2	101.00000000	2.00000000	2	0.72		07843137	0.000000000000	0.000000000
3	101.00000000	3.00000000	3	0.99		00000000	0.000000000000	0.000000000
4	101.00000000	4.00000000	4	0.93		00000000	0.000000000000	0.000000000
5	101.00000000	5.00000000	5	1.00		00000000	0.000000000000	0.000000000
6	101.00000000	6.00000000	6	0.60		00000000	0.000000000000	0.000000000
7	101.00000000	7.00000000	7	0.94		00000000	0.000000000000	0.000000000
8	101.00000000	8.00000000	8	1.00		00000000	0.000000000000	0.000000000
9	101.00000000	9.00000000	9	0.62		00000000	0.000000000000	0.000000000
10	101.00000000	10.00000000	10	0.64		00000000	0.000000000000	0.000000000
11	101.00000000	11.00000000	11	0.39		51851852	0.007407407407	0.000000000
12	101.00000000	12.00000000	12	0.86		43971631	0.035460992908	0.000000000
13	101.00000000	13.00000000	13	0.71		00000000	0.000000000000	0.000000000
14	101.00000000	14.00000000	14	0.80		74660633	0.000000000000	0.000000000
15	101.00000000	15.00000000	15	0.969171483622	0.0231213872	00000000	0.000000000000	0.000000000
16	102.00000000	1.00000000	16	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
17	102.00000000	2.00000000	17	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
18	102.00000000	3.00000000	18	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
19	102.00000000	4.00000000	19	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
20	102.00000000	5.00000000	20	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
21	102.00000000	6.00000000	21	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
22	102.00000000	7.00000000	22	1.000000000000	0.0000000000	00000000	0.000000000000	0.000000000
23	102.00000000	8.00000000	23	0.920634920635	0.0793650793	00000000	0.000000000000	0.000000000
24	102.00000000	9.00000000	24	0.979310344828	0.0206896551	00000000	0.000000000000	0.000000000
25	102.00000000	10.00000000	25	0.925925925926	0.0740740740	00000000	0.000000000000	0.000000000
26	103.00000000	1.00000000	26	0.277985074627	0.274253731343	0.251865671642	0.139925373134	0.037313432836
27	103.00000000	2.00000000	27	0.307464892831	0.269770879527	0.229120473023	0.123429416112	0.029563932003
28	103.00000000	3.00000000	28	0.282392026578	0.269102990033	0.083056478405	0.058139534884	0.024916943522

2D Box Plots 2D Box Plots

Creates 2D Line Plots of Case Profiles

aggregate_rotz C1,V1 101 Sel:OFF Weight:OFF CAP NUM REC

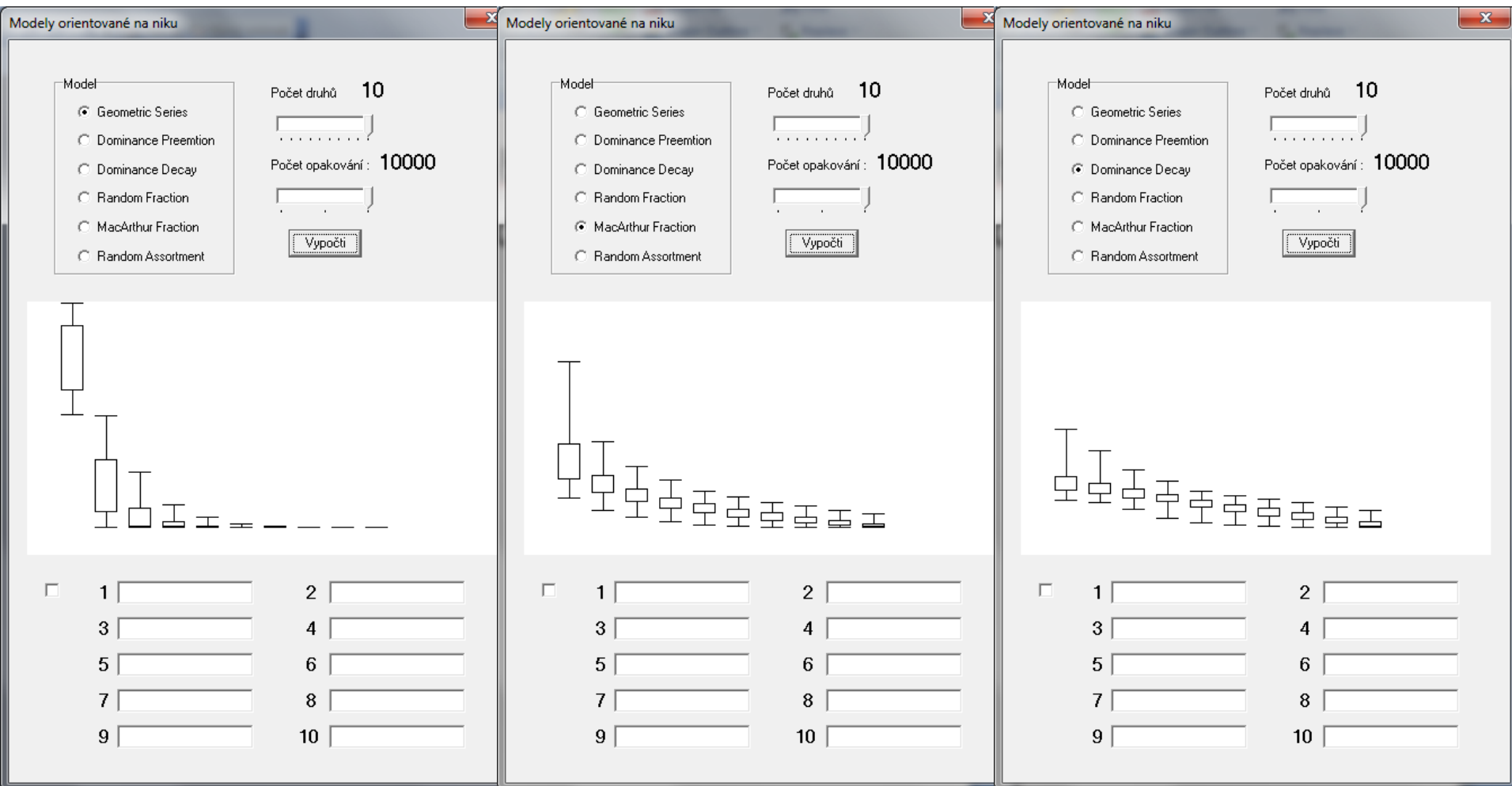
Vizualizace species abundance curve



Vizualizace species abundance curve

The image shows the STATISTICA software interface. The main window title is "STATISTICA - [Workbook2* - Line Plot of 55]". The menu bar includes File, Edit, View, Insert, Format, Statistics, Data Mining, Graphs, Tools, Data, Window, and Help. The toolbar contains various icons for file operations and data analysis. The left sidebar shows a list of "Line" plots. The central area is dominated by the "2D Line Plots - Case Profiles" dialog box, which has tabs for "Quick", "Advanced", "Appearance", "Options 1", and "Options 2". The "Quick" tab is active, showing a "Variables:" field with the text "abundance.1.000-abundance.10.000" and a "Graph type:" section with "Regular" selected. The dialog also features buttons for "OK", "Cancel", "Options", "By Group", "Sel Cond", "Case Weights", "Graphs Gallery", and "Updating: Auto". The bottom status bar shows "Preparing Data" and various system information like "aggregate_rot", "C1,V1", "101", "Sel:OFF", "Weight:OFF", "CAP", "NUM", and "REC".

Srovnání species abundance curves s modely



Srovnání species abundance curves s modely

Total Commander 7.55a - Masarykova univerzita, Institut biostatistiky a analyz

Soubor Vybrat Příkazy Síť Zobrazit Konfigurace Start

Síť Tokeshi kontrola species

diverzita DAD

DD-PT-10-1000 - Poznámkový blok

Soubor Úpravy Formát Zobrazení nápověda

Modely orientované na niku

Model

- Geometric Series
- Dominance Preemption
- Dominance Decay
- Random Fraction
- MacArthur Fraction
- Random Assortment

Počet druhů 10

Počet opakování: 10000

Vypočít

1.2010 Dominance decay 0.037017324 0.0456461

1.2010 Dominance decay 0.003336 0.0288397

0.2009 Dominance decay 0.016743531 0.0227697

0.2009 Dominance decay 0.016193443 0.0318854

1.2010 Dominance decay 0.02541 0.061309462 0

1.2010 Dominance decay 0.011 0.024266825 0

0.2009 Dominance decay 0.014124 0.0252198

1.2010 Dominance decay 0.032014966 0.0393570

0.2009 Dominance decay 0.02186919 0.0343256

1.2010 Dominance decay 0.018766396 0.0241751

1.2010 Dominance decay 0.007 0.043481484 0

0.2009 Dominance decay 0.016838707 0.0389045

0.2009 Dominance decay 0.002865853 0.0071512

0.2009 Dominance decay 0.023618 0.0282538

1.2010 Dominance decay 0.031606333 0.0420267

1.2010 Dominance decay 0.0082344 0.011904

5.2004 Dominance decay 0.00113999 0.0200955

5.2004 Dominance decay 0.018859988 0.041 0

0.2009 Dominance decay 0.017630294 0.0296103

0.2009 Dominance decay 0.01248613 0.0253881

0.2009 Dominance decay 0.02596293 0.0280088

0.2009 Dominance decay 0.001672 0.0484102

0.2009 Dominance decay 0.008672134 0.0436660

Dominance decay 0.001117022 0.0253756

Dominance decay 0.019519861 0.0575493

Dominance decay 0.004822218 0.0245039

Dominance decay 0.007363608 0.055014

Dominance decay 0.010452258 0.0105842

Dominance decay 0.03645872 0.0525172

Dominance decay 0.00715325 0.0169434

Dominance decay 0.022094226 0.0548086

Dominance decay 0.012040345 0.0327467

Dominance decay 0.005586 0.045248

Dominance decay 0.008030155 0.0128470

Dominance decay 0.011613885 0.0351522

Dominance decay 0.011221193 0.0231747

Dominance decay 0.00609615 0.0064192

Dominance decay 0.009553992 0.0156748

Dominance decay 0.00864 0.022754631 0

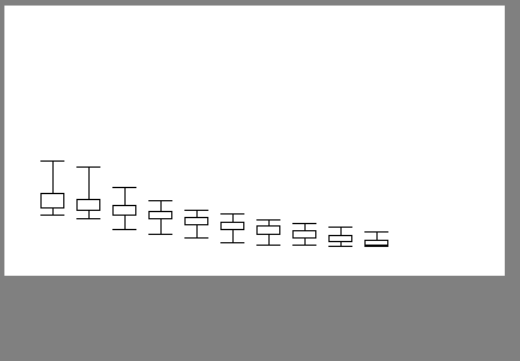
Dominance decay 0.020109222 0.0234075

Dominance decay 0.025646789 0.0462080

Editor

Soubor Upravit Výběr Zobrazit

Normální 1.0 1.0 Ofiznout



DD-PT-10-1000.bmp |417 x 225 x 24 X-- Y:--

0 kB / 9 123 kB v 0 / 20 souborech

0 kB / 8 184 kB v 0 / 6 souborech

F3 Zobrazit F4 Upravit F5 Kopírovat F6 PřejmPřes F7 Nová složka F8 Odstranit Alt+F4 Konec

23:03 15.11.2010

Srovnání species abundance curves s modely

STATISTICA - [Data: 07_Tokeshi_models* (11v by 6000c)]

File Edit View Insert Format Statistics Data Mining Graphs Tools Data Window Help

Arial 10 B I U [Text Formatting Icons]

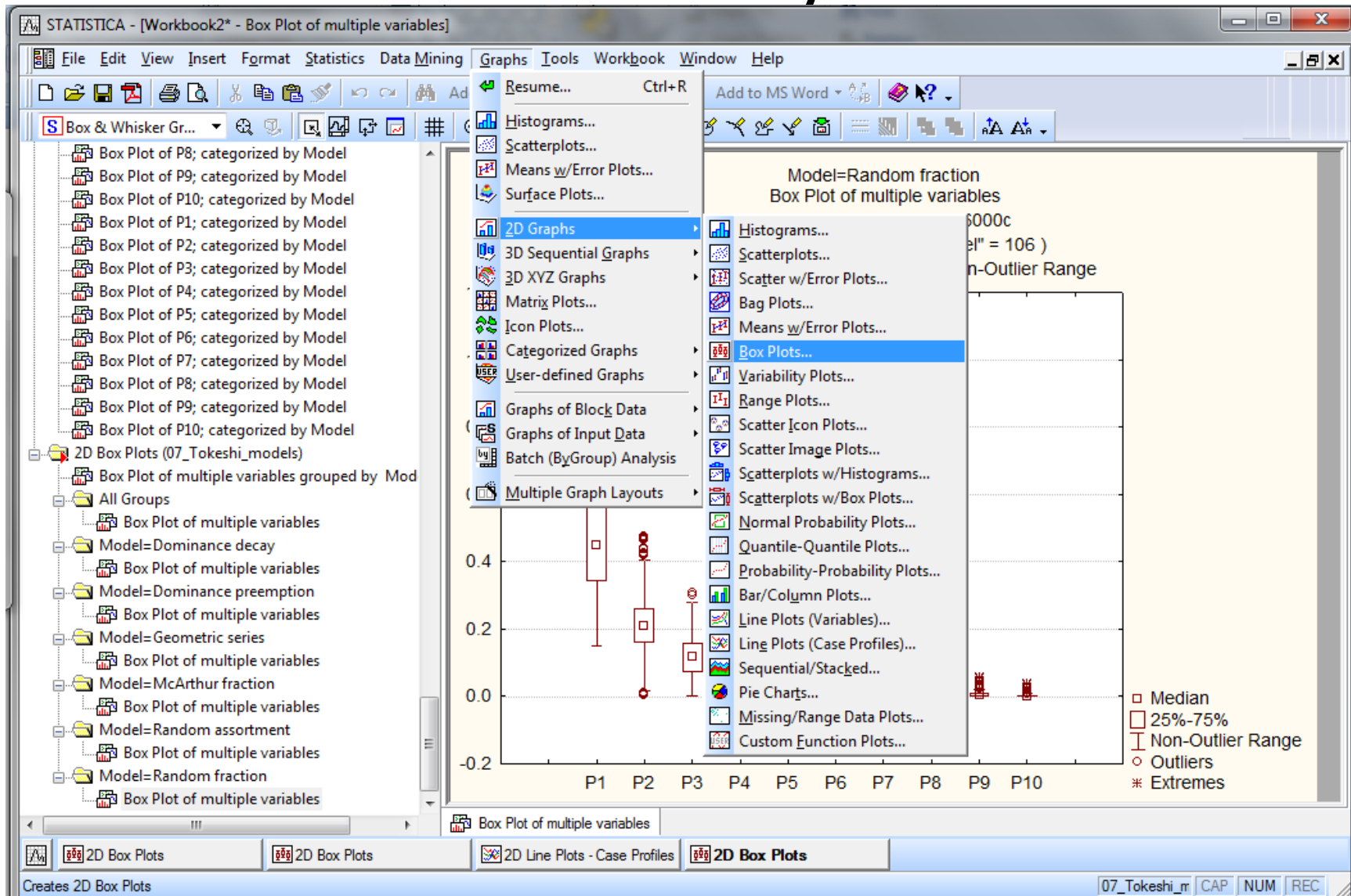
C:\Users\Jarkovsky\Desktop\diverzita\07_Tokeshi_models.xls : DD-PT-10-1000

	1 Model	2 P1	3 P2	4 P3	5 P4	6 P5	7 P6	8 P7	9 P8	10 P9	11 P10
1	Dominance decay	0.198451	0.194334	0.149776	0.0818	0.077082	0.073472	0.072584	0.069837	0.045646	0.037017
2	Dominance decay	0.215271	0.202068	0.181696	0.170378	0.091942	0.043757	0.033636	0.029077	0.02884	0.003336
3	Dominance decay	0.185507	0.177949	0.155498	0.141329	0.126	0.07422	0.065898	0.034086	0.02277	0.016744
4	Dominance decay	0.192279	0.191415	0.14294	0.122417	0.116	0.115573	0.038896	0.032401	0.031885	0.016193
5	Dominance decay	0.173813	0.14651	0.135195	0.126329	0.085609	0.08349	0.081905	0.080429	0.061309	0.02541
6	Dominance decay	0.228513	0.189891	0.164219	0.118478	0.104834	0.070468	0.047449	0.040882	0.024267	0.011
7	Dominance decay	0.203163	0.199876	0.180044	0.128904	0.094933	0.060343	0.050565	0.042828	0.02522	0.014124
8	Dominance decay	0.171109	0.154088	0.13988	0.128141	0.120677	0.111347	0.051912	0.051474	0.039357	0.032015
9	Dominance decay	0.208333	0.204391	0.128879	0.118258	0.09254	0.08919	0.058054	0.044161	0.034326	0.021869
10	Dominance decay	0.186043	0.17947	0.141218	0.122248	0.121781	0.097249	0.08253	0.026519	0.024175	0.018766
11	Dominance decay	0.221022	0.206788	0.135039	0.103239	0.101872	0.069414	0.059066	0.053078	0.043481	0.007
12	Dominance decay	0.193645	0.184348	0.146076	0.136722	0.093284	0.072897	0.067646	0.049638	0.038905	0.016839
13	Dominance decay	0.18104	0.177451	0.161262	0.13333	0.13174	0.114634	0.052047	0.03848	0.007151	0.002866
14	Dominance decay	0.177979	0.151883	0.13433	0.125	0.115988	0.102329	0.08305	0.05757	0.028254	0.023618
15	Dominance decay	0.196573	0.17633	0.15714	0.137468	0.091645	0.057289	0.05672	0.053202	0.042027	0.031606
16	Dominance decay	0.211952	0.20304	0.181794	0.170633	0.064487	0.05948	0.054302	0.034174	0.011904	0.008234
17	Dominance decay	0.220728	0.19199	0.177176	0.140585	0.093	0.067665	0.049682	0.037938	0.020096	0.00114
18	Dominance decay	0.195402	0.153699	0.141299	0.1411	0.101111	0.075149	0.070458	0.061922	0.041	0.01886
19	Dominance decay	0.158267	0.139	0.138172	0.132824	0.124482	0.117941	0.087822	0.054252	0.02961	0.01763
20	Dominance decay	0.217551	0.199346	0.154893	0.148035	0.086	0.070898	0.047432	0.037971	0.025388	0.012486
21	Dominance decay	0.197734	0.183047	0.169707	0.104611	0.0977	0.07418	0.064049	0.055	0.028009	0.025963
22	Dominance decay	0.170193	0.164	0.161138	0.122975	0.094082	0.084753	0.084373	0.068403	0.04841	0.001672
23	Dominance decay	0.162306	0.15451	0.140613	0.139254	0.132241	0.0923	0.077	0.049437	0.043666	0.008672
24	Dominance decay	0.222131	0.205312	0.140828	0.116256	0.106031	0.068352	0.057312	0.057285	0.025376	0.001117
25	Dominance decay	0.177741	0.15092	0.150393	0.135134	0.098082	0.083552	0.067163	0.059947	0.057549	0.01952
26	Dominance decay	0.20438	0.200303	0.161	0.159396	0.10907	0.066697	0.044146	0.025681	0.024504	0.004822
27	Dominance decay	0.180048	0.159405	0.135762	0.135735	0.119887	0.077805	0.069269	0.05971	0.055014	0.007364
28	Dominance decay	0.212326	0.210331	0.199438	0.12538	0.085371	0.078182	0.043692	0.024244	0.010584	0.010452

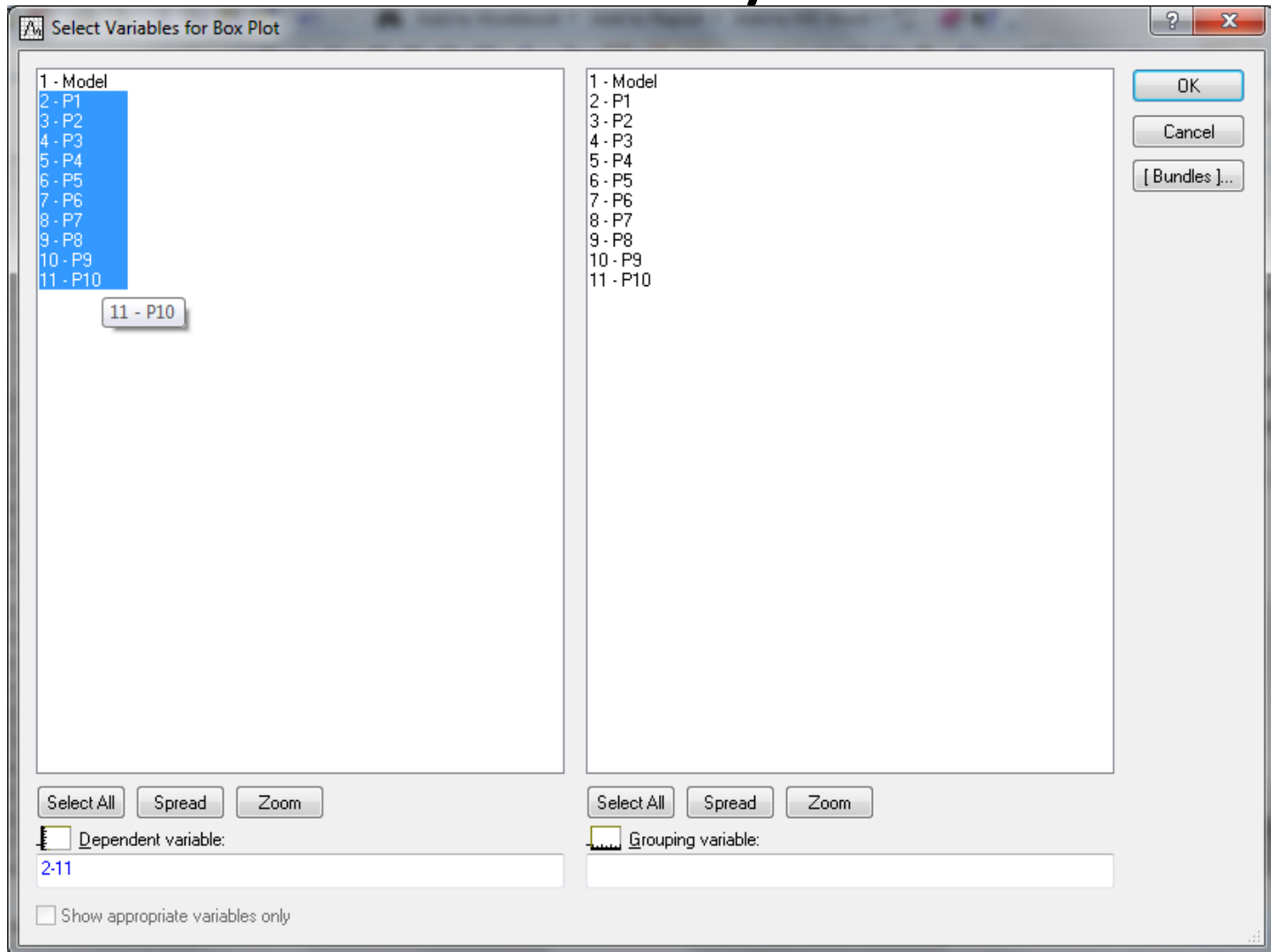
2D Box Plots 2D Box Plots 2D Line Plots - Case ...

For Help, press F1 07_Tokeshi_m C1.V1 Dominance decay Sel:OFF Weight:OFF CAP NUM REC

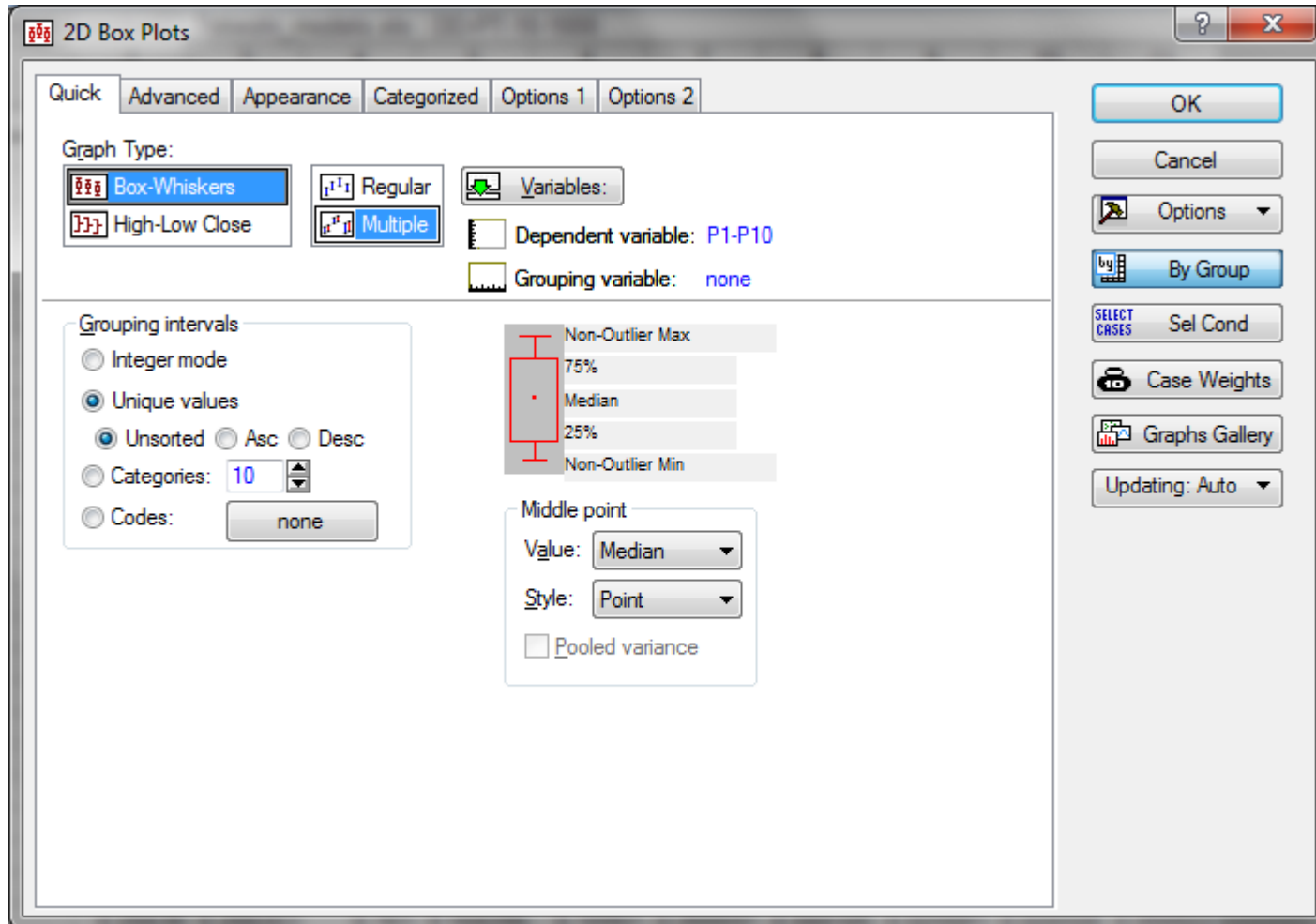
Srovnání species abundance curves s modely



Srovnání species abundance curves s modely



Srovnání species abundance curves s modely



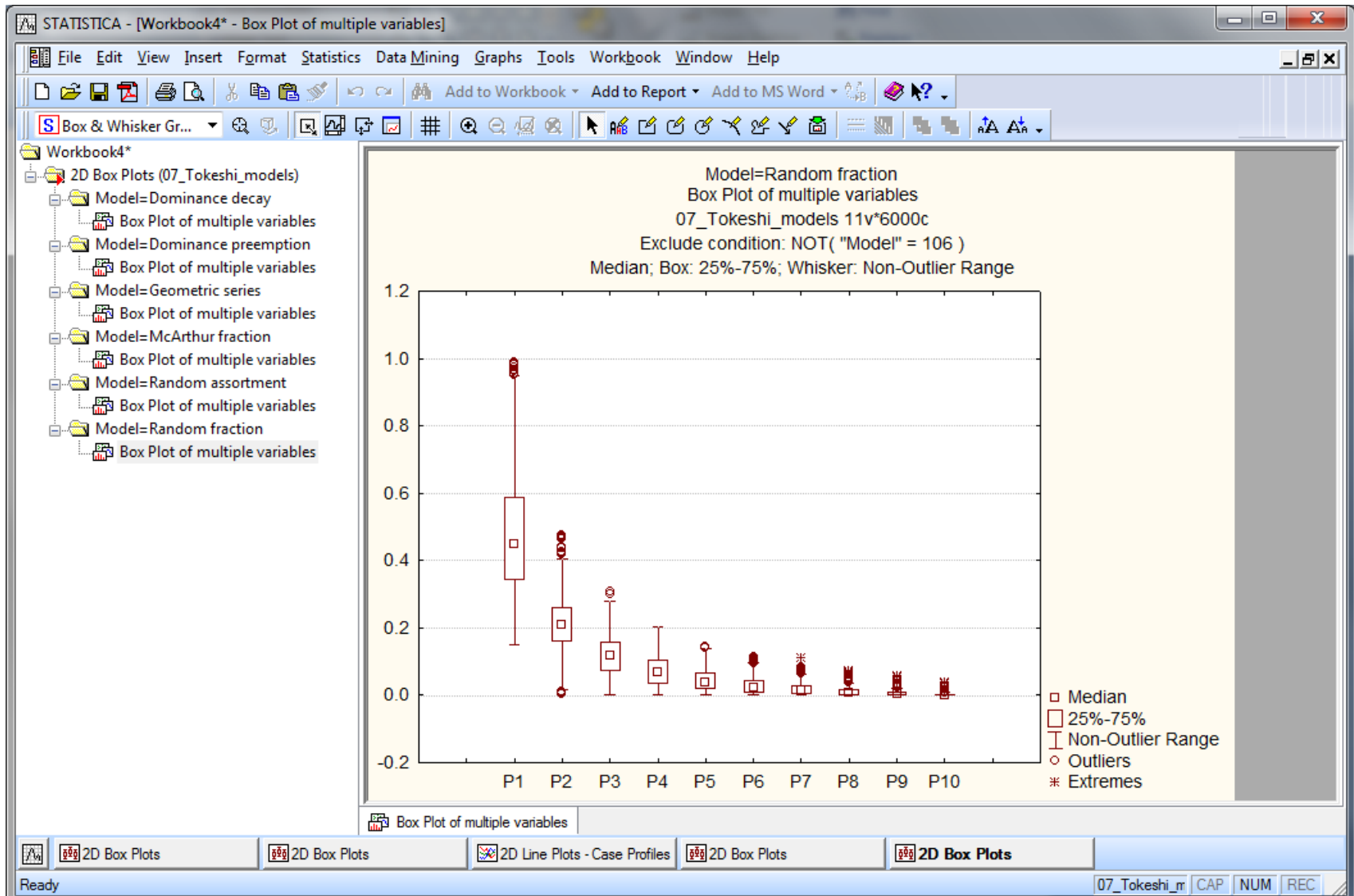
Srovnání species abundance curves s modely

The screenshot displays the STATISTICA software interface. The main window shows a data table with the following structure:

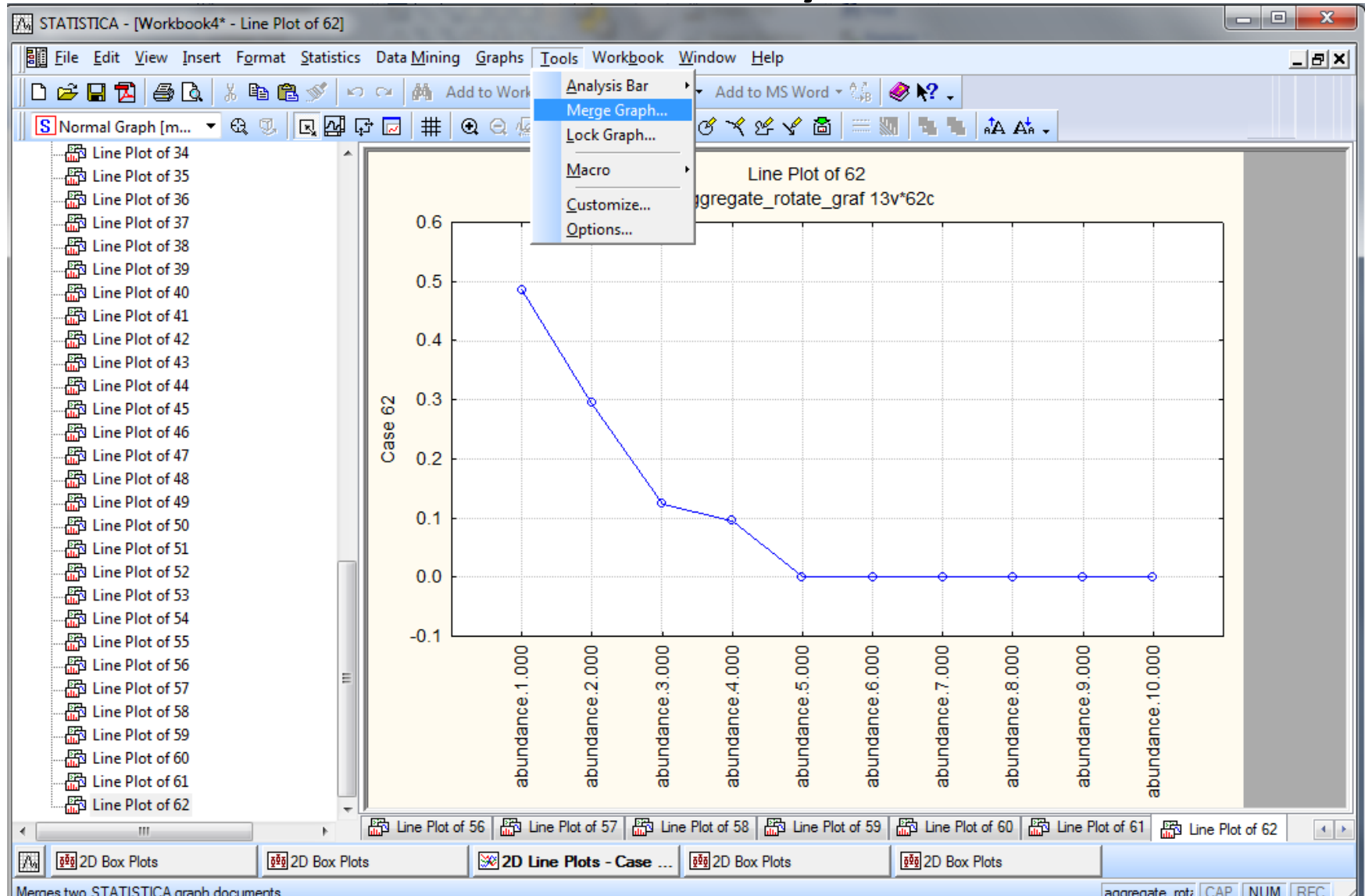
Model											
1	Dominance decay										
2	Dominance decay										
3	Dominance decay										
4	Dominance decay										
24	Dominance decay										
25	Dominance decay										
26	Dominance decay										
27	Dominance decay	0.180048	0.159405	0.135762	0.135735	0.119887	0.077805	0.069269	0.05971	0.055014	0.007364
28	Dominance decay	0.212326	0.210331	0.199438	0.12538	0.085371	0.078182	0.043692	0.024244	0.010584	0.010452

The '2D Box Plots' dialog box is open, showing the 'Quick' tab. The 'Graph Type' is set to 'Box-Whiskers'. The 'Variables' field is empty, and the 'Dependent variable' is set to 'P1-P10'. The 'By Group' dialog box is also open, showing 'Grouping Variable(s)' as 'none'. The 'Sorting of Groups' is set to 'Unsorted'. The 'Output' options are checked for 'Label Outputs' and 'Output "All Groups" results'. The 'Select By Variables' dialog box is open, showing a list of variables: 1 - Model, 2 - P1, 3 - P2, 4 - P3, 5 - P4, 6 - P5, 7 - P6, 8 - P7, 9 - P8, 10 - P9, 11 - P10. The 'By Variables' field is set to '1'. The 'Show appropriate variables only' checkbox is checked.

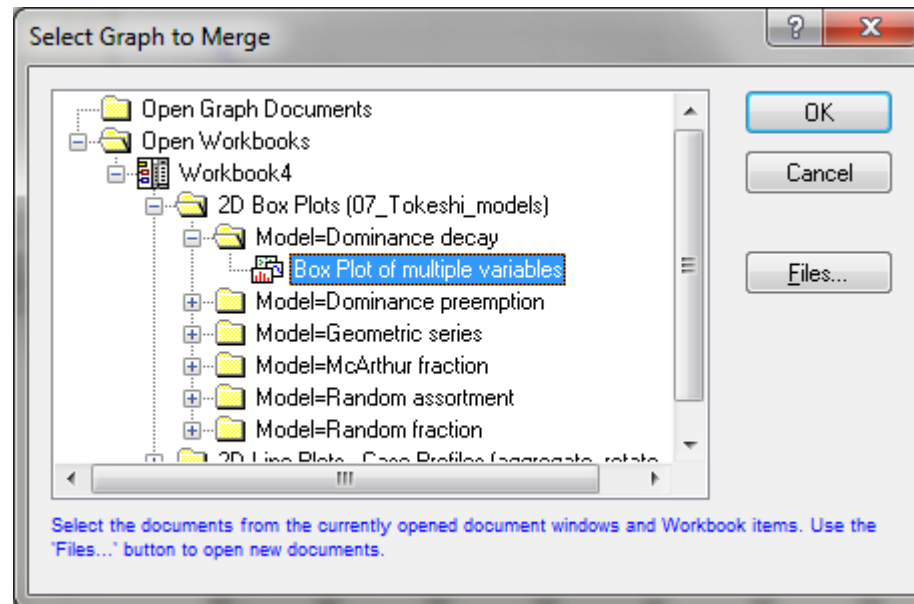
Srovnání species abundance curves s modely



Srovnání species abundance curves s modely



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