

# Restructuring Data

Tech Tips – IBM SPSS Statistics

***We want to merge these two files together***

	id	score
1	1.00	10
2	1.00	3
3	1.00	4
4	1.00	1
5	1.00	8
6	2.00	2
7	2.00	2
8	2.00	3
9	2.00	2
10	2.00	7



id	att1	att2	att3	att4	att5
1.00	2.00	4.00	2.00	5.00	1.00
2.00	3.00	2.00	1.00	3.00	4.00
3.00	3.00	3.00	3.00	2.00	2.00
4.00	2.00	1.00	2.00	4.00	2.00
5.00	2.00	1.00	4.00	1.00	3.00

- 1. Restructure data***
- 2. One row for each individual***
- 3. Each score becomes a new variable***
- 4. Merge with second file***

# Tech Tips - Restructuring Data

- **Restructure Data Wizard:** Makes it easy to restructure your data.
- Go to **Data** menu and select **Restructure**.
- Note that wizard replaces the current data set with the restructured data.

	id	score
1	1.00	10
2	1.00	3
3	1.00	4
4	1.00	1
5	1.00	8
6	2.00	2
7	2.00	2
8	2.00	3
9	2.00	2
10	2.00	7



	id	score.1	score.2	score.3	score.4	score.5
1	1.00	10	3	4	1	8
2	2.00	2	2	3	2	7
3	3.00	7	9	4	5	7
4	4.00	3	8	2	6	7
5	5.00	9	4	6	8	2
6						

# Tech Tips - Restructuring Data

- Restructure selected variables into cases
- Restructure selected cases into variables
- Transpose all data

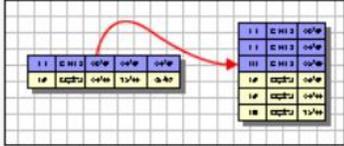
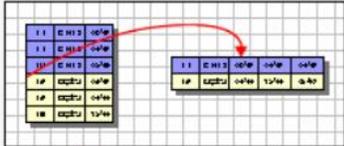
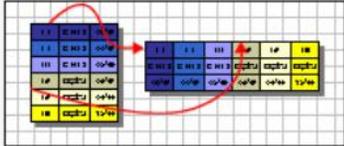
**Restructure Data Wizard** ✕

**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.

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

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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

# Tech Tips - Restructuring Data

- We have a dataset where we have multiple records in rows.
- For the individual with id number 1 there are 5 records.
- We can see the 5 records for number 2.
- *We want to restructure the data so that each id has one row with the scores.*
- *We want to create a variable with the max score.*
- *We want to obtain an average score.*
- *Need to merge new restructured data with attitudinal data*

	id	score
1	1.00	10
2	1.00	3
3	1.00	4
4	1.00	1
5	1.00	8
6	2.00	2
7	2.00	2
8	2.00	3
9	2.00	2
10	2.00	7



	id	score.1	score.2	score.3	score.4	score.5
1	1.00	10	3	4	1	8
2	2.00	2	2	3	2	7
3	3.00	7	9	4	5	7
4	4.00	3	8	2	6	7
5	5.00	9	4	6	8	2
6						



# Thank You

For more information  
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