

Creating a disjunctive table in XLSTAT

[DemoDisjunctiveTable](#)

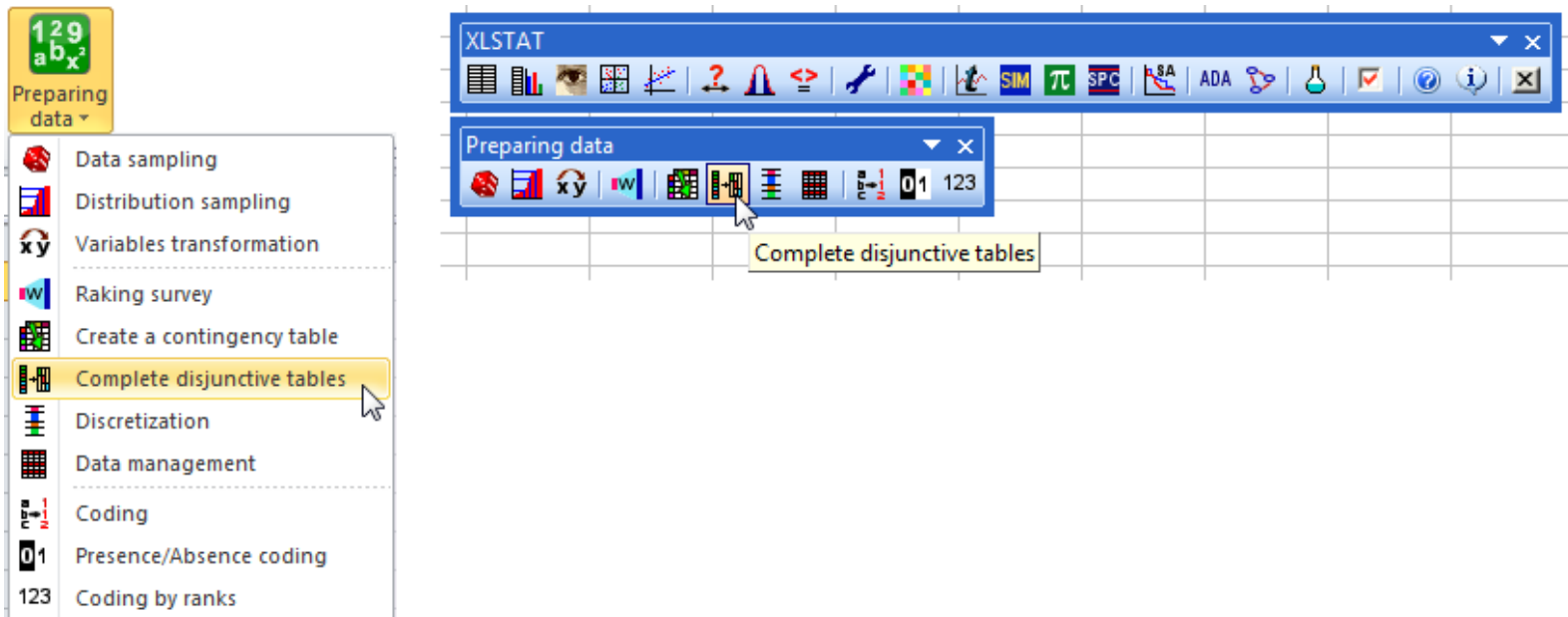
Dataset for creating a disjunctive table

An Excel sheet with both the data and the results can be downloaded by clicking [here](#). In this tutorial we will show how to create a disjunctive table from category variables.

The dataset contains 20 clients with their age class, city of residence and gender. We will transform the variables Age, City and Gender into a disjunctive table. This means that we will split each category variable into corresponding binary variables (coded in 0 and 1).

Creating the disjunctive table

After opening XLSTAT, select the **XLSTAT / Preparing data / Complete Disjunctive tables** command, or click on the corresponding button of the **Preparing data** toolbar (see below).

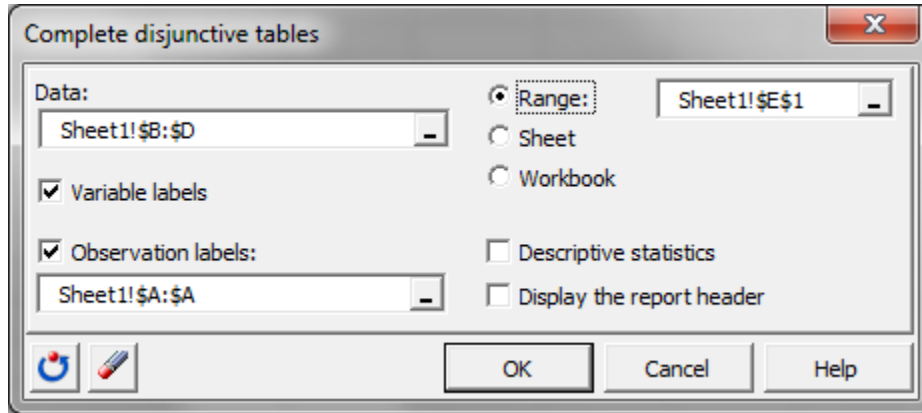


Once you've clicked on the button, the dialog box appears. Select the category variables you wish to split. Select the variables Age, City and Gender by selecting the whole columns.

The output should be displayed in an appended table so tick the option **Range** and select the cell E1 to begin displaying the results.

The columns A, B and C contain variable labels so the option Variable labels should be ticked.

Moreover to avoid having text written above the results we deselect the option **Display the report header**.



Once you have completed the tasks click on the **OK** button.

Disjunctive table in XLSTAT

The results are now displayed next to the original variables.

You can see the correspondence between the category variables and their disjunctive tables.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Client	Age	City	Gender		Age-25-34	Age-35-44	Age-45-54	Age-55-64	Age->65	City-Lyon	City-Paris	City-Marseille	City-Nantes	Gender-F	Gender-M
2	cl01	25-34	Lyon	F	cl01	1	0	0	0	0	1	0	0	0	1	0
3	cl02	35-44	Paris	F	cl02	0	1	0	0	0	0	1	0	0	1	0
4	cl03	45-54	Marseille	M	cl03	0	0	1	0	0	0	0	1	0	0	1
5	cl04	55-64	Nantes	M	cl04	0	0	0	1	0	0	0	0	1	0	1
6	cl05	>65	Paris	M	cl05	0	0	0	0	1	0	1	0	0	0	1
7	cl06	25-34	Marseille	M	cl06	1	0	0	0	0	0	0	1	0	0	1
8	cl07	35-44	Paris	M	cl07	0	1	0	0	0	0	1	0	0	0	1
9	cl08	45-54	Paris	F	cl08	0	0	1	0	0	0	1	0	0	1	0
10	cl09	35-44	Lyon	F	cl09	0	1	0	0	0	1	0	0	0	1	0
11	cl10	45-54	Marseille	M	cl10	0	0	1	0	0	0	0	1	0	0	1
12	cl11	25-34	Marseille	F	cl11	1	0	0	0	0	0	0	1	0	1	0
13	cl12	45-54	Nantes	F	cl12	0	0	1	0	0	0	0	0	1	1	0
14	cl13	35-44	Lyon	M	cl13	0	1	0	0	0	1	0	0	0	0	1
15	cl14	45-54	Nantes	M	cl14	0	0	1	0	0	0	0	0	1	0	1
16	cl15	45-54	Marseille	M	cl15	0	0	1	0	0	0	0	1	0	0	1
17	cl16	>65	Nantes	M	cl16	0	0	0	0	1	0	0	0	1	0	1
18	cl17	>65	Lyon	M	cl17	0	0	0	0	1	1	0	0	0	0	1
19	cl18	25-34	Nantes	F	cl18	1	0	0	0	0	0	0	0	1	1	0
20	cl19	35-44	Paris	F	cl19	0	1	0	0	0	0	1	0	0	1	0
21	cl20	45-54	Paris	M	cl20	0	0	1	0	0	0	1	0	0	0	1

This video shows you how to reproduce those results.

http://www.youtube.com/watch?feature=player_embedded&v=RPJV1RbeFQk