

SPSS: Binning (visual)

This document will show how to bin a scale variable using the visual binning. The example file used is *Holiday Fair.sav*, available at the companion website: <http://PeterStatistics.com>.

A video showing the steps described can be found at: <https://youtu.be/NNlp3enEFIk>

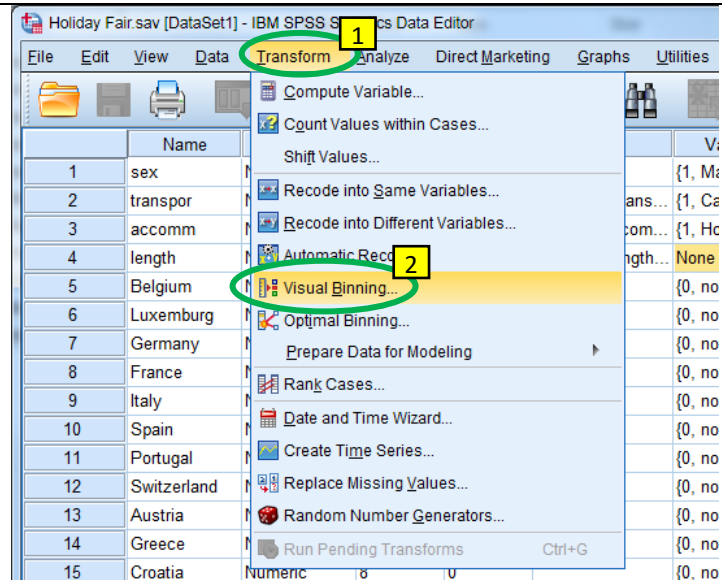
**Preferred length of a holiday in days (limited between 5 and 30 days)
(Binned)**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid < 8	8	8,0	8,0	8,0
8 - 11	43	43,0	43,0	51,0
12 - 16	32	32,0	32,0	83,0
17 - 20	12	12,0	12,0	95,0
26+	5	5,0	5,0	100,0
Total	100	100,0	100,0	

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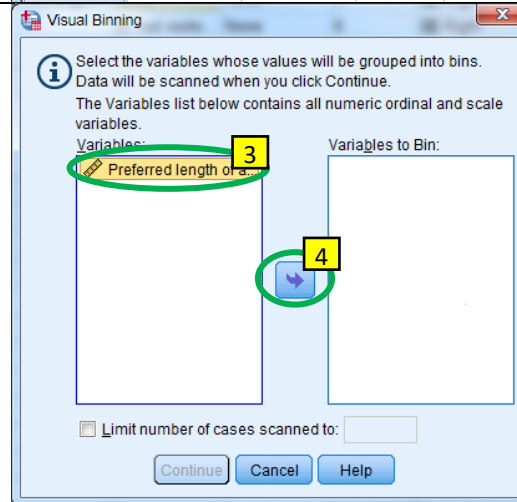
1. Click in the menubar on **Transform**

2. Click on **Visual Binning...**

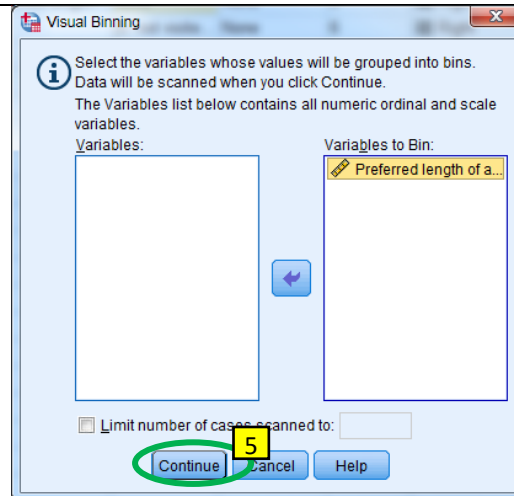


3. Click on the scale variable(s) you want to bin

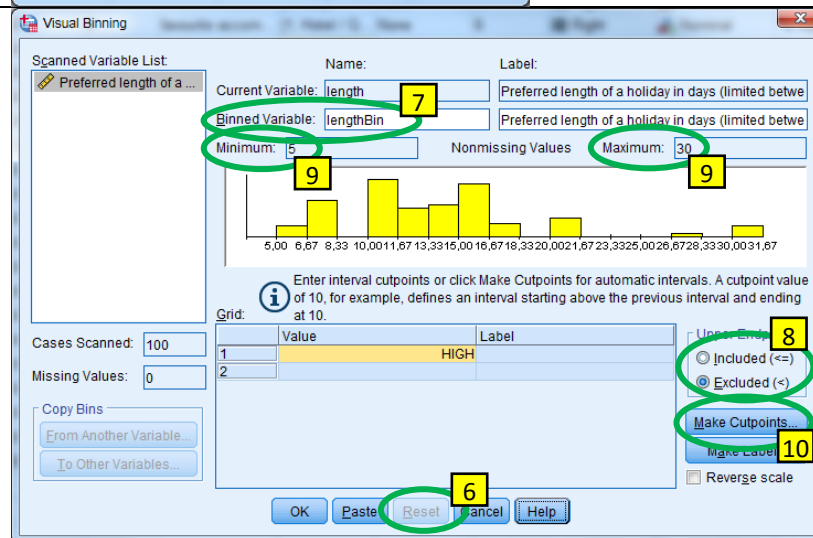
4. Click on 



5. Click on **Continue**



6. Click on **Reset**
7. Enter a name for the binned variable (cannot start with a number, and cannot contain spaces)
8. Check if you want the bins to be included or excluded
9. Note the minimum and maximum value of the scale variable
10. Click on **Make Cutpoints...**



11. Three main options are available to create the bins. Either by the width interval, based on percentiles, or based on standard deviations. In the example I've chosen to use the Equal width intervals.

12. Enter the value at which the first cutpoint should be placed

13. Enter either the number of cutpoints or the width (as soon as you enter one, the other will be filled out).

14. Click on **Apply**

Make Cutpoints

☒ **Equal Width Intervals**

Intervals - fill in either field

First Cutpoint Location: 8

Number of Cutpoints: 5

Width: 4,400

Last Cutpoint Location: 20

☐ **Equal Percentiles Based on Scanned Cases**

Intervals - fill in either field

Number of Cutpoints:

Width(%):

☐ **Cutpoints at Mean and Selected Standard Deviations Based on Scanned Cases**

☐ +/- 1 Std. Deviation

☐ +/- 2 Std. Deviation

☐ +/- 3 Std. Deviation

Apply **Cancel** **Help**

15. Click on **Make Labels**

16. Click on **OK**

Visual Binning

Scanned Variable List: Preferred length of a...

Name: length Label: Preferred length of a holiday in days (limited betw...

Binned Variable: lengthBin Preferred length of a holiday in days (limited betw...

Minimum: 5 Nonmissing Values Maximum: 30

Grid:

	Value	Label
1	8.0	< 8
2	12.4	8 - 11
3	16.8	12 - 16
4	21.2	17 - 20
5	25.6	21 - 25
6		HIGH 26+
7		

Upper Endpoints

☐ Included (<=)

☒ Excluded (<)

Make Labels **Make Only** **Reverse scale**

OK **Paste** **Reset** **Cancel** **Help**

17. Click on **OK**

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Binning specifications will c... variables.

OK **Cancel**

The binned variable will be added at the end of your variables list. You can now for example generate a frequency table of the binned variable.