1. Follow the steps outlined in the handout “How to Make a Histogram Using Excel 2007” to create a histogram with the data from the “11e. Bored” variable from the Class Project Survey Data file. Copy and paste the column containing the data for the Bored variable into a new Excel worksheet and create a histogram for the variable. Make sure to label your axes appropriately.

2. Once you have created your histogram, it should look like this:

![Histogram of Bored Variable](image)

Remember that for this variable, we have a rating scale (1 = Never, 2 = Rarely, 3 = Sometimes, 4 = Often and 5 = Very often). But our histogram only put the response categories of “1 2 3 4 5” on the x-axis. Let’s change this so the x-axis of our histogram has the labels for these response categories, instead of the numbers.
3. Next to where you created the bins and frequency columns for the histogram, enter the labels for the response categories, as below:

4. Right click on your histogram and select the option “Select Data” from the drop-down menu that appears.
4. The following box will appear:

Select the option “Edit” under the heading “Horizontal (Category) Axis Labels.” A box labeled “Axis Labels” will appear. In the box for Axis label range, select the column that contains the labels for the response categories you just entered, as below. Click “OK” twice.

4. Your histogram should now look like the one below. Instead of numbers, the labels for the response categories now appear on the x-axis of the histogram.
Additional Notes:

- For Homework #2 Part B, it is **not** required that you substitute the response category labels for the numbers along the x-axis of your histogram for Number of OSN Friends. However, if you decide to keep the numbers and not enter the labels, then you need to make sure you label your x-axis appropriately in a way that conveys the fact that the numbers represent the rating scale associated with the variable.

- This process does not work for scatterplots, so for these graphs your x- and y-axes will contain the numbers of the rating scales. You will not be able to substitute the response category labels for the numbers in these graphs. Keep this in mind when labeling your axes.