

**Due: in class Wednesday 1/27/17**

This lab report is a joint report (2-3 pages max) written by you and a partner. You can work with anyone from my 1a or 2a sections. Follow the **Statistical Report Guidelines** attached to this handout (and given on Moodle). Use the class survey data **Survey.csv** for your report. The survey data and a pdf describing the questions asked are on the class Moodle page. The data in this file has been collected from Math 215 classes for the three years.

Your report should address the following:

1. Analysis of one quantitative variable. For at least one quantitative variable, give summary stats and a graphical display. Are there outliers? What is the shape of the distribution?
2. Analysis of the relationship between two categorical variables. Include a two-way table and stacked bar graph in your analysis. Does there seem to be a relationship between the variables? If so, describe it.
3. Analysis of the relationship between a categorical variable and a quantitative variable. Include appropriate summary stat and graphical comparisons for each category. Are there outliers? What are the shapes of the distributions? Does there seem to be a relationship between the variables? If so, describe it.