AMS 102: Spreadsheets

Due dates:
> **Section 1: March 1 at 2:20 pm.**
> **Section 2: February 25 at 2:20 pm.**

Late submissions will not be accepted.

If you need more practice with spreadsheets, study the "Statistics with Spreadsheets" primer posted at
http://www.math.sunysb.edu/~retakh/ams102/spreadsheet.pdf

For this assignment you will need to:

0. Download the spreadsheet http://www.math.sunysb.edu/~retakh/ams102/cereals.xls
1. Open it in a spreadsheet program such as Microsoft Excel or OpenOffice
   The first column lists cereal brands; other columns contain nutritional data for these brands
2. Using your spreadsheet program compute the following parameters; each of them should be contained in a separate cell:
   a. the mean and standard deviation of the sodium content (*2 pts*)
   b. the five-number summary for the carbo content (*3pts*)
   c. the correlation between the calories and the sugar content (*2 pts*)
   d. the slope and the intercept of the regression line for the regression of calories on sugar (*2 pts*)
   e. insert the plot of the regression line from part (d) into the spreadsheet (*2 pts extra*)
3. E-mail your results within the original spreadsheet as an attachment to your instructor:
   julia.viro@gmail.com (sec 1) retakh@math.sunysb.edu (sec 2)
   For section 1, also provide a hardcopy to your instructor
   (*1 pt for correct submission*)