Assignment 0

Make sure you include the command/code, as well as relevant output/results. Also comment on the output/results as needed (to answer the questions).

Part 1: Follow **Handout 0 R** and **Handout 0 SAS**, and Complete all **Exercises** in both Handouts.

Part 2: Now, repeat all commands in **Handout 0 R** with present day birth records in the United States. Load up the present day data with the following command.

```
source("http://www.openintro.org/stat/data/present.R")
```

The data are stored in a data frame called `present`. Then answer the following questions:

1. What years are included in this data set? What are the dimensions of the data frame and what are the variable or column names?
2. How do these counts compare to Arbuthnot's? Are they on a similar scale?
3. Make a plot that displays the boy-to-girl ratio for every year in the data set. What do you see? Does Arbuthnot's observation about boys being born in greater proportion than girls hold up in the U.S.? Include the plot in your response.
4. In what year did we see the most total number of births in the U.S.? You can refer to the help files or the R reference card http://cran.r-project.org/doc/contrib/Short-refcard.pdf to find helpful commands.

Part 3: Save your file as *DA460_Assignment0_XXXXX.docx (or .pdf)* where *XXXXX* is the first five letters of your last name, and submit it online through Canvas Assignment tool.