# Assignment 2 – Polisci 209 – Due in class on Sept 11

## Assignment 2

Do the following 3 exercises in FPP:

1. Review exercise 1 in chapter 2 of FPP (page 24)

2. Review exercise 8 in chapter 2 of FPP (page 26) – Hint: Think about the length of the time period mentioned. . .

3. Review exercise 11 in chapter 2 of FPP (page 27)

Next:

4. Think of two variables that you believe are likely (or know) to be correlated with each other. Then think of a possible confounding factor Z, that is related to both. Describe why you think your Z might confound the relationship.

5. R- homework: Open R-studio and start a new script. Once you are done, print the script and hand it in as part of your homework.

   - Start your script with commenting a title, your name, and today's date.
   - Create a new vector with the name of your choice (but not named vector1), that is filled with all even numbers between (but excluding) 0 and 12 (it should be of length 5. . . )
   - Create a second vector with five different numbers in it
   - Take the square root of all numbers in both the vectors you created.
   - Divide first vector by the second vector
   - Install and load the package ggplot2