# EPPS6302 Methods of Data Collection and Production

## Prepare for Class - 1

1. Prepare your own device
   a. Laptop/Desktop computer on either Windows or MacOS operating system (OS). Tablets are not recommended.
   b. Run the latest update on OS since the computer is your most important companion in this class.
   c. Install software
      a. Program/text editor at your choice. The following is only recommended but not required:
         i. Visual Studio Code
         ii. Notepad++ (Windows only)
         iii. Atom (GitHub)
         iv. Bracket (Adobe)
         v. Sublime Text
      b. R (https://cran.r-project.org)
         i. RStudio (https://www.rstudio.com)
      c. Python (3.x)
         i. Anaconda
         ii. Jupyter notebook
         iii. (Optional)PyCharm
      d. Qualtrics
         i. https://utdallas.qualtrics.com
2. Read
   a. Foster et al. 1, 2
   b. Breiman, Leo. 2001. "Statistical modeling: The two cultures (with comments and a rejoinder by the author)." *Statistical science* 16, no. 3 199-231.
   c. Groves 1, 2.
3. Data
   a. Identify a data method you want to develop expertise
4. Discussion for next week:
   a. Data generation process
   b. What is big data?
   c. Small data?