Data Visualization: Pre-Class Assignment

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This file has instructions for getting set up in R before class starts.[1] Complete these steps before the first class.

1. Install R

   - Go to https://cran.rstudio.com/
   - Choose the appropriate version for you
   - Download
   - Open downloaded .exe file and run
   - Install, accepting defaults

2. Install R Studio

   - R Studio is an interface for R
   - go to https://www.rstudio.com/products/rstudio/download/#download
   - Download
   - Open downloaded .exe file and run
   - Install, accepting defaults

3. Make sure you can open R Studio

   - If you can't open the program, go get help from CCAS's OTS
   - You don't need to do more than open at this point

4. Quit R Studio

The remaining steps are **optional**. These steps describe how to install R Markdown. Markdown can be very helpful for producing high quality documents with R code and R output. However, it is also **very** buggy, and some students have struggled to install it. It is not required, but may be helpful.

5. Install MikTex or MacTex

   - For PCs
     - This is a program that you need to have running in the background so you can make nice pdfs
     - Go to https://miktex.org/2.9/setup
     - Choose the appropriate version and download
     - Open downloaded .exe file and run
     - Install, accepting defaults
   - For Macs
     - This is a program that you need to have running in the background so you can make nice pdfs
     - Go to http://tug.org/cgi-bin/mactex-download/MacTeX.pkg
     - Choose the appropriate version and download
     - Install, accepting defaults. This is a big file and may take awhile

6. Install R Markdown

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[1]With many thanks to the authors of this helpful website: http://www.reed.edu/data-at-reed/software/R/r_studio_pc.html

- Open R Studio
- At the prompt type

```r
install.packages("rmarkdown")
```

```
* You should see a lot of output and no red complaints
```

You are now ready to come to class.