

# Daily Homework

## Read/Scan:

- FAStr2 (our textbook), pp. 1-28.

## Exploration

- Watch the video at <http://scofield.site/courses/s145/videos/RStudioIntro.mp4>. Have another browser window or tab open, and carry out the steps you see performed in the video, as completely as possible.
- After watching the video, use **RStudio** to carry out these tasks. There is no formal write-up required of you, but you are required to submit a question to the class forum as described below.
  1. Make RStudio display the first few rows of data in **birthwt** (a data set you obtain through the "MASS" package).
  2. Determine the names of the variables in the **birthwt** data frame, and learn what information they provide.
  3. Produce a frequency table for the **smoke** variable from the **birthwt** data frame. Interpret the results under the assumption that 0 indicates a non-smoker and 1 a smoker.
  4. Instead of a frequency table, use a bar graph to display the distribution of the **race** variable in **birthwt**.
  5. Determine the minimum value of the **bwt** variable among subjects who smoke. (Hint: Use the `filter()` command. The answer is 709.)

**Reporting:** As you worked through the video or the tasks following it, most likely questions arose about the software. Submit one question in the **class forum** as a reply to the thread titled **First experience in RStudio**.