**Lab 6: Data Visualization**

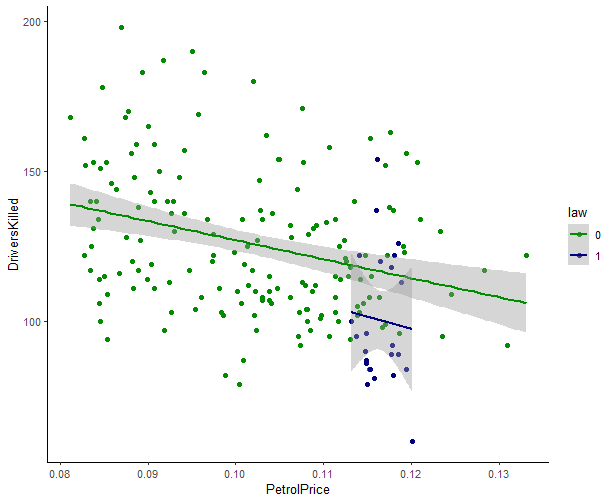
**Instructions**

* Create a Quarto file called "Lab 6: Data Visualization".
* Copy the questions/prompts with the numbers/letters into the markdown file as text (i.e., in between code chunks, without any #). Use a header for each question #.
* Provide the code responses into code chunks directly beneath the questions (or beneath the text if the question requires both verbal and code answers).
* Submit both a knitted html or docx file and your .qmd file to ELMS before 11:59pm.
* *See ‘lab assignment demo’ file (.qmd) on ELMS or Jupyter for an example.* *Do not directly edit this file, instead create your own markdown file, copy the content from the demo and edit that.*

**Note:** For all questions, be sure to recreate *all* aspects, including plot titles and axis labels. The colors are simple named colors in R, but if you don’t match those exactly, that’s fine.

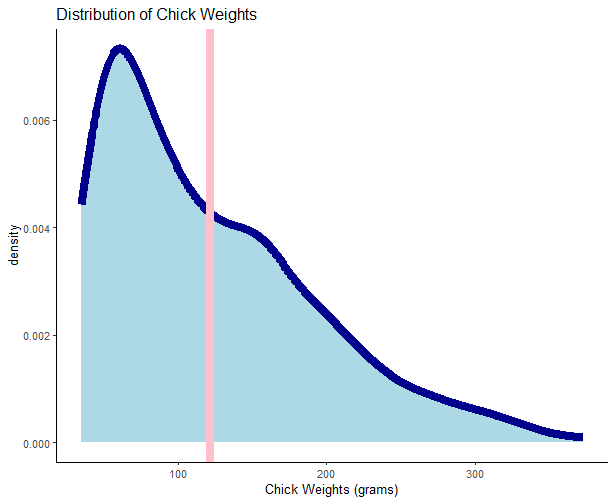
**Question 1**

Recreate this figure using the built-in *Seatbelts* data frame.



**Question 2**

Recreate this figure using the built-in *ChickWeight* data frame with the line representing the mean of the weight variable.

****

**Question 3**

Recreate this figure using the built-in *mtcars* data frame.

