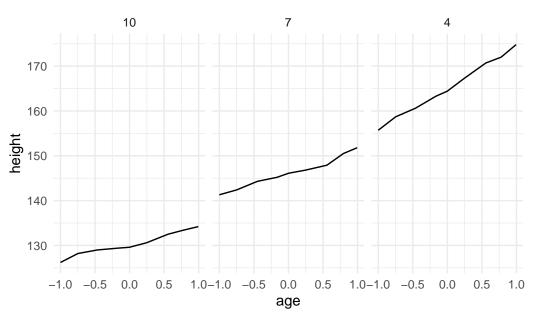
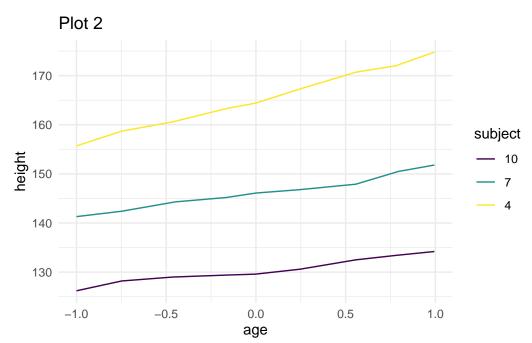
## Homework 2

- 1. Install the {nlme} package
- 2. Load  $\{nlme\}$ ,  $\{janitor\}$ , and the  $\{tidyverse\}$  packages in the "setup" chunk
- 3. Run the chunk below to prep some data from the {nmle} package for plotting

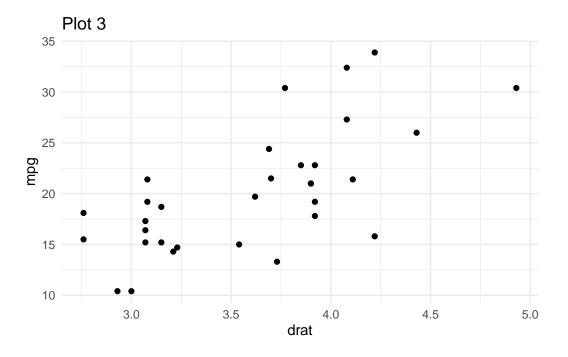
4. Reproduce the following two plots, using the pd data. You can use whatever theme you want (I used theme\_minimal()), but all else should be the same. Note that Plot 1 is a line plot, not a "smooth." Note that Plot 2 is a line plot also.

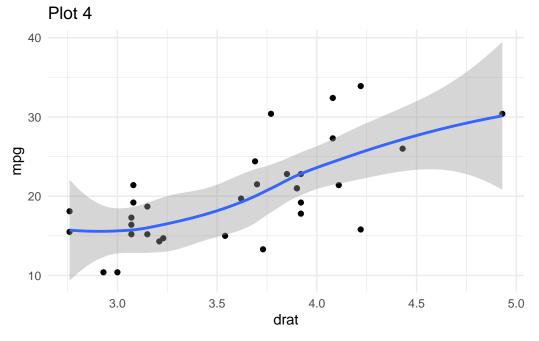
Plot 1



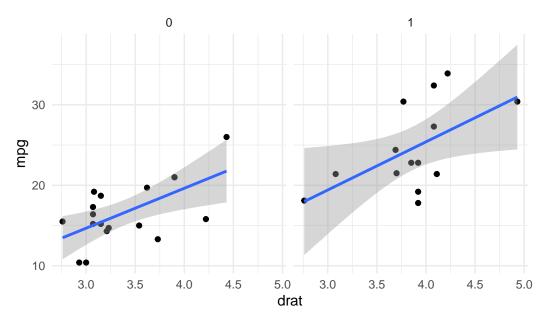


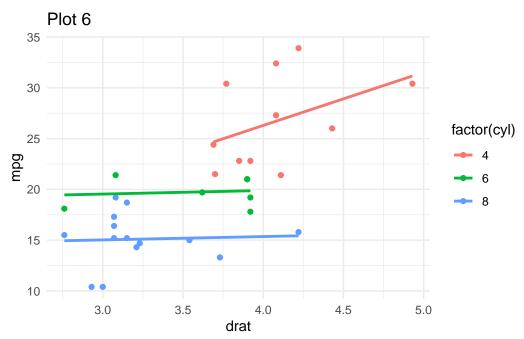
5. Use the mtcars dataset from base R to replicate the following plots. (Just type mtcars into the console to see the dataset).



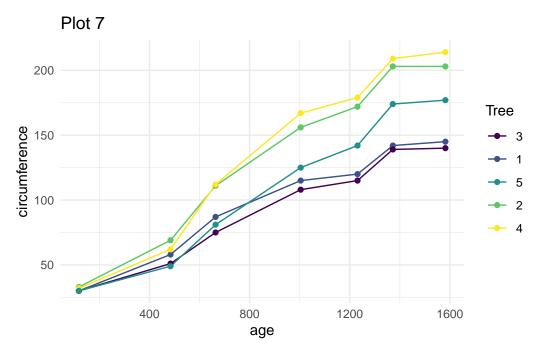








6. Use the Orange dataset, also part of base R, to replicate the following plots. See slides from the week 3 class for labels.



## Orange Tree Growth

Gray line displays a linear model fit to the data.

