

Viz Homework

Instructions

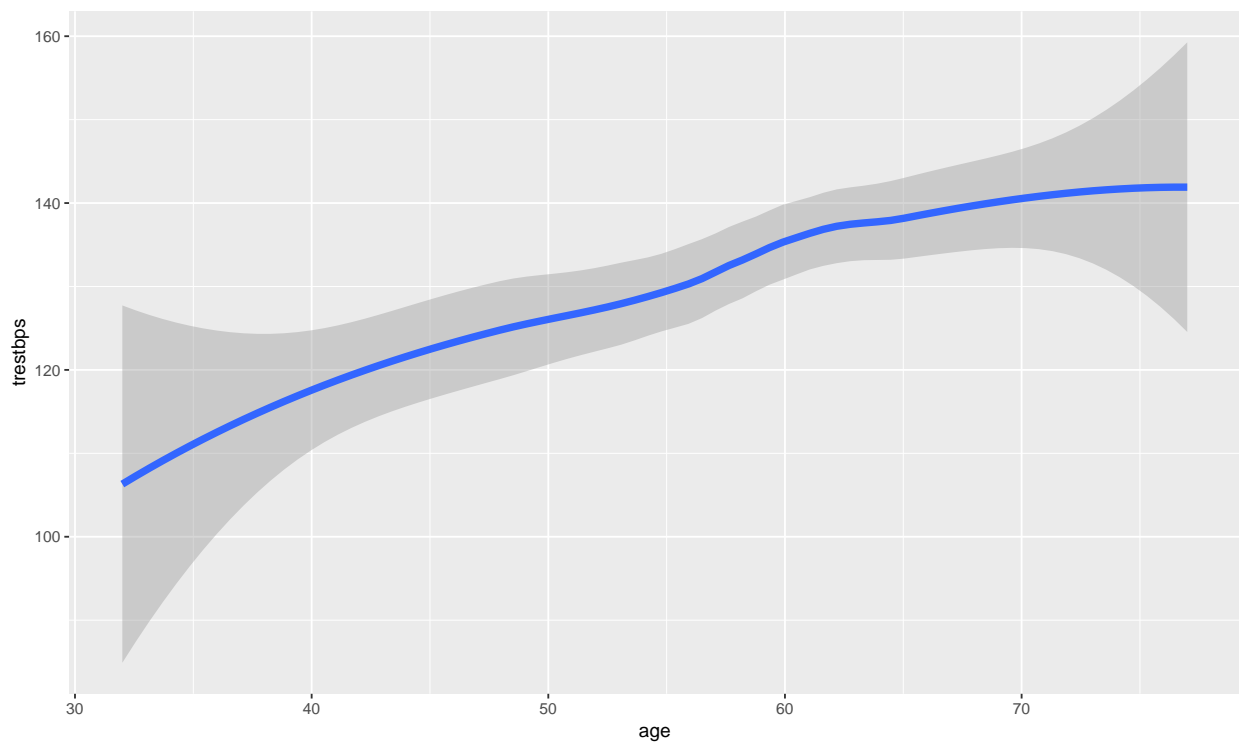
The goal of this homework is to recreate a series of graphs in ggplot2. Do not worry about matching up the colors/sizes, etc perfectly, but try and ensure that the graph type, labels, and disparate categories all match up.

Before you start:

Read in the heart disease dataset and read over the codebook to understand the variables.

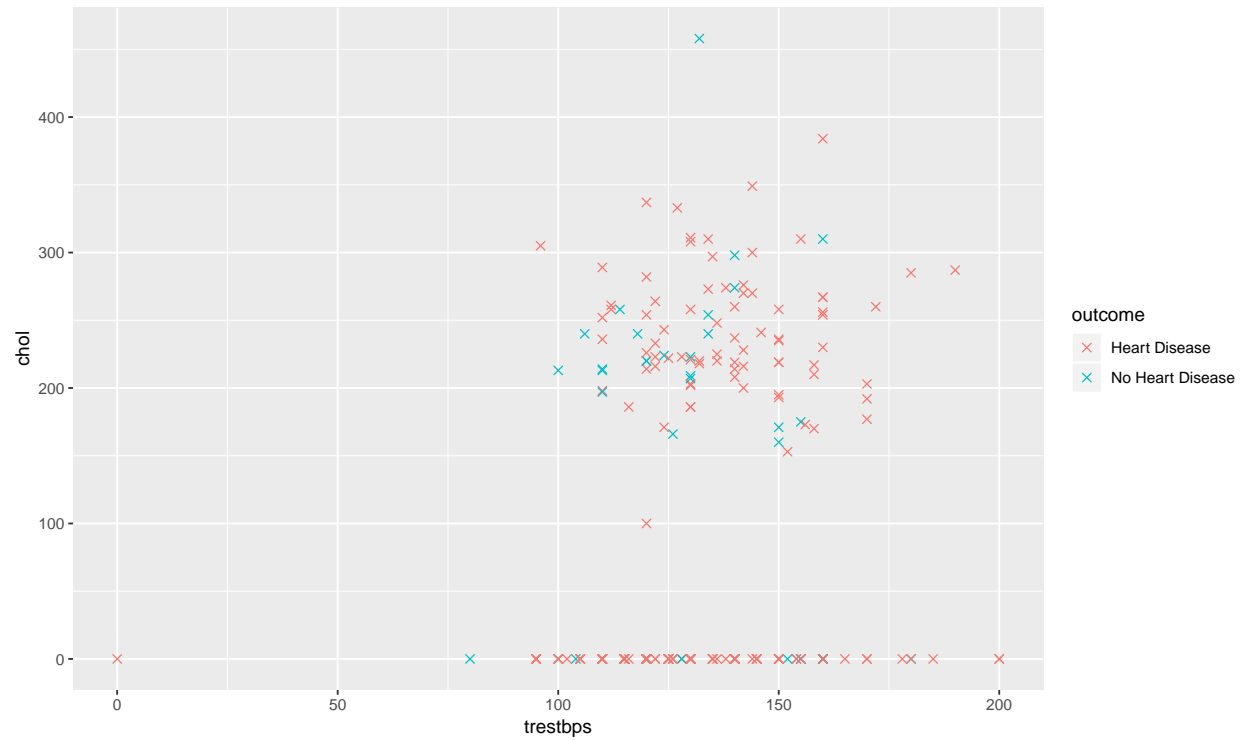
Exercise 1

Reproduce the follow graph that is looking at the relationship between age and resting blood pressure.



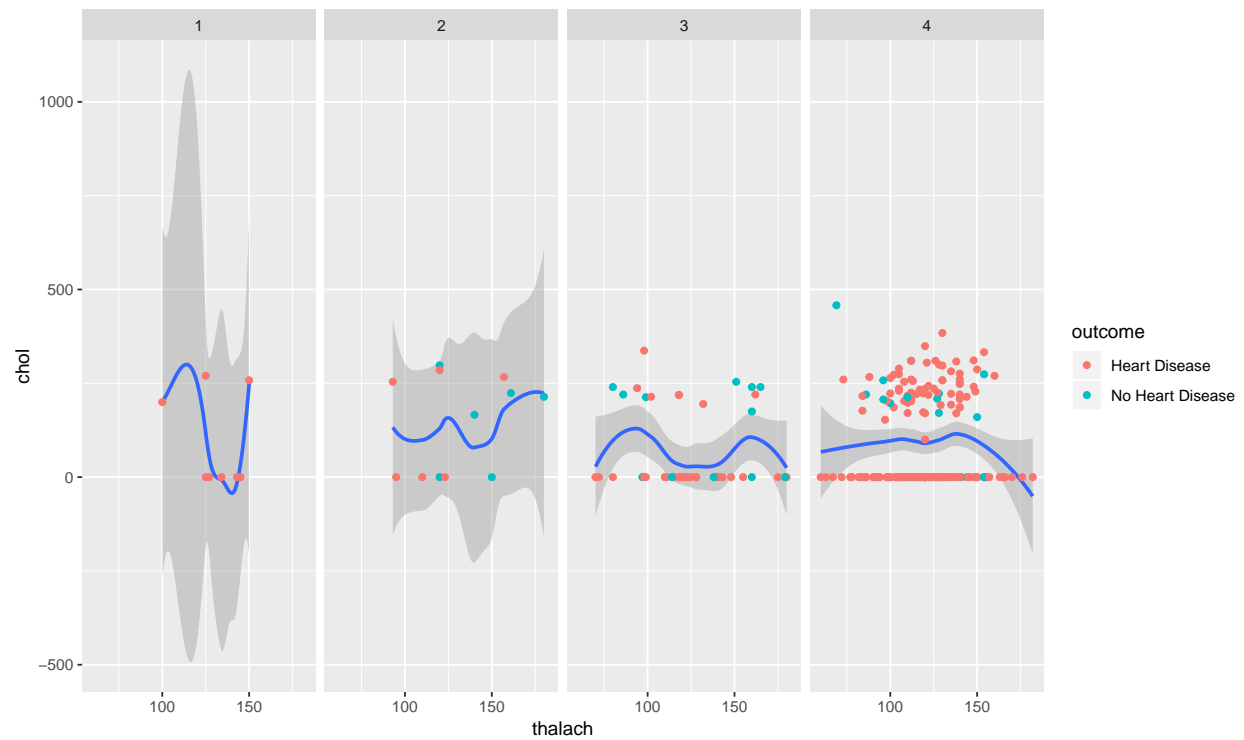
Exercise 2

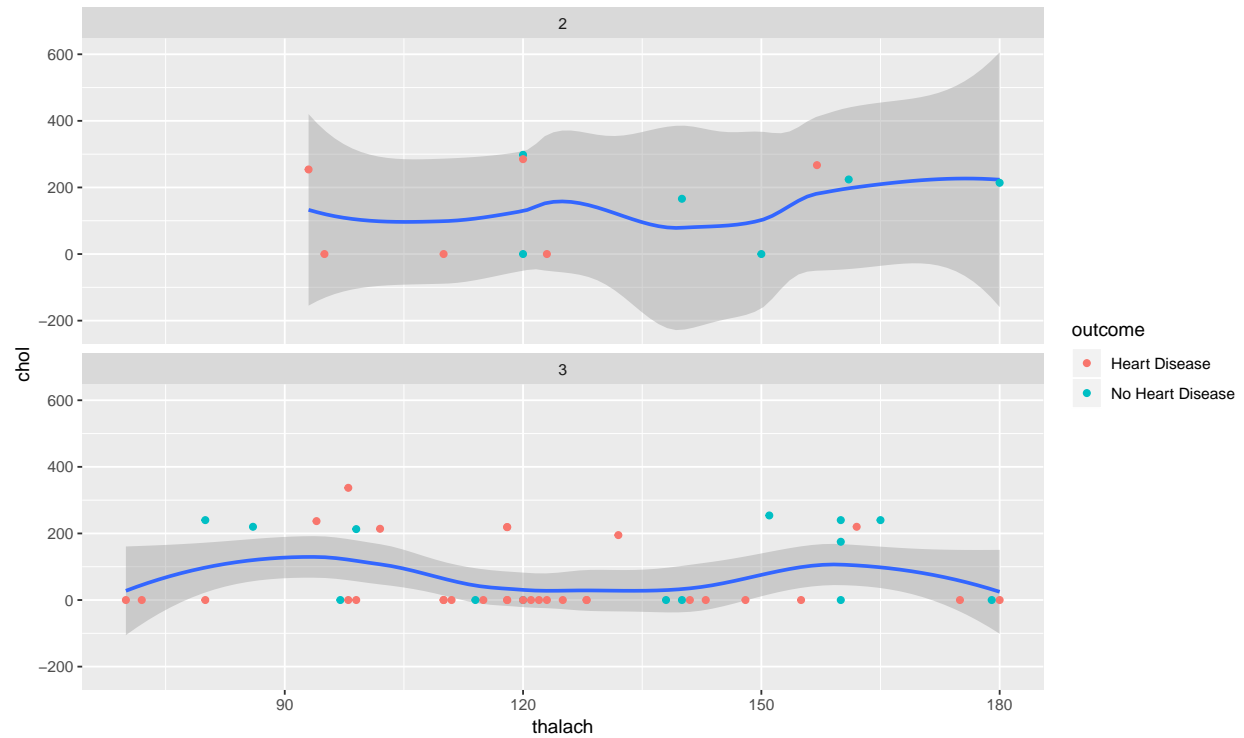
Reproduce the following graph that is looking at the relationship between resting blood pressure and cholesterol by outcome.



Exercise 3

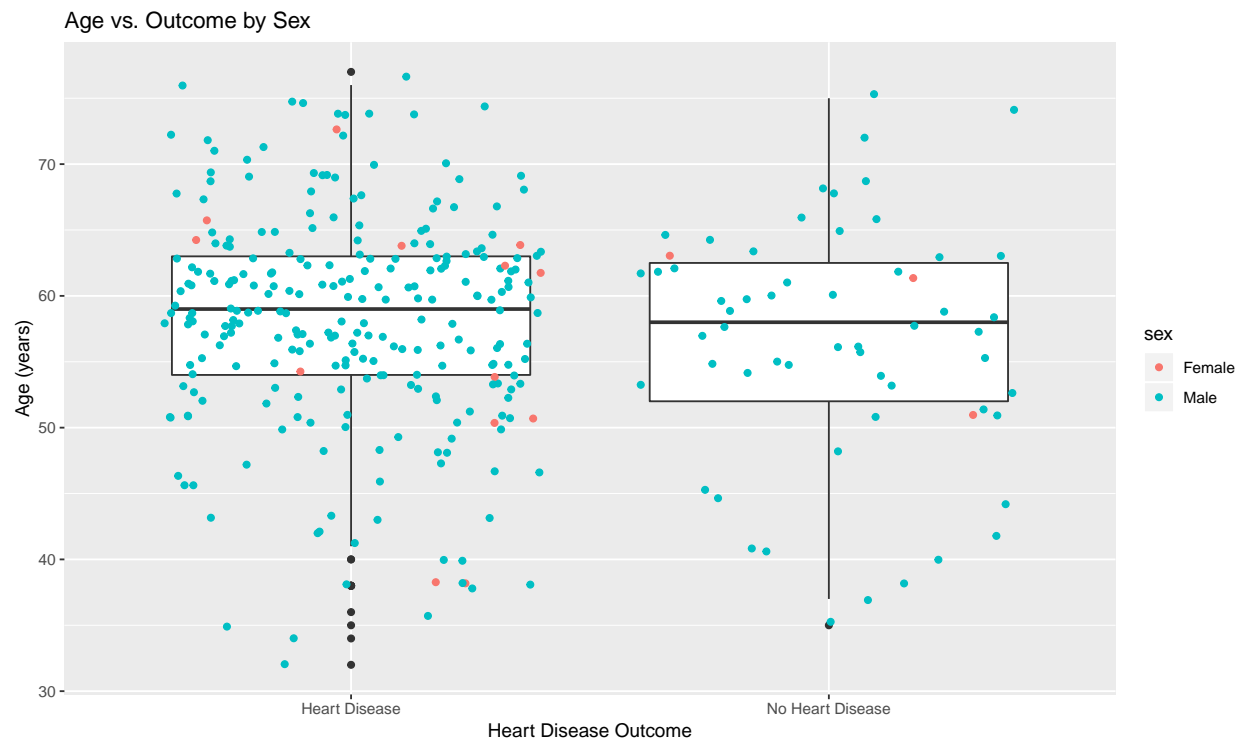
Reproduce the following graphs looking at the relationship maximum heart rate achieved and cholesterol, Faceted by chest pain type (cp = 1, 2, 3 or 4)





Exercise 4

Reproduce this graph looking at the relationship between outcome and age. Make sure to check the legend, axis, etc.



Exercise 5

Reproduce the following graphs looking at the maximum heart rate achieved by chest pain type. Hint: Change `cp` to a factor `hd$cp <- as.factor(hd$cp)`

