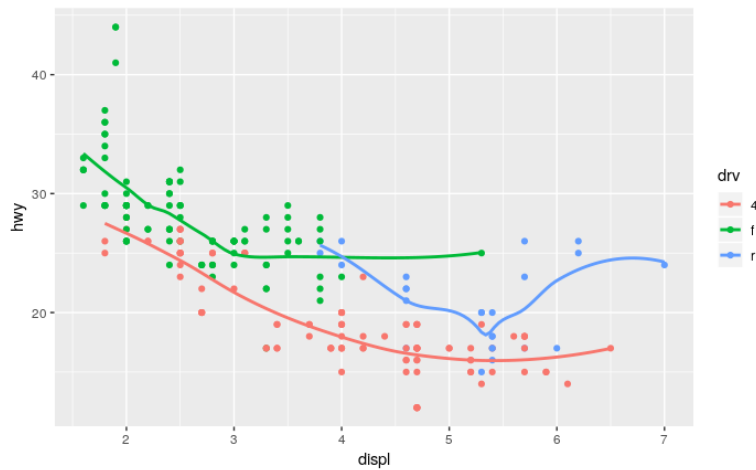


Homework 5 for DTSC630 (Data Visualization) Spring 2022

Due at 11:30 pm on May 16, 2022

Notes: 1). Only one problem for this homework set; 2). **Submit a zipped folder for this Shiny app**; 3. **Share the Shiny app in a web page**.

1. In Homework 4, you have generated the plot as follows based on the mpg data frame: using x as displ and y as hwy miles per gallon, with the color of the points from drv, and adding a smoother function.



Here you will make this a Shiny app. A user will be able to choose type(s) of drv (using a checkboxgroup widget) so the scatter plots with smoother curves will be drawn for any of the drv types (any combinations from “4”, “r”, and “f”). For example, the user can choose to see the plots for all cars, only 4 wheel drive cars, both rear and front wheel drive cars, etc.