Assignment 4

Chart 1.

```
library(tidyverse)
library(ggplot2)
library(dplyr)

data <- data.frame(
  Type=c("Honda ","Chevy ","Toyota","Hyundai") ,
  MPG=c(20,54,73,15) ,
  obs=c(90,500,259,642)
)

data$right <- cumsum(data$obs) + 30*c(0:(nrow(data)-1))
data$left <- data$right - data$obs

ggplot(data, aes(ymin = 0)) +
  geom_rect(aes(xmin = left, xmax = right, ymax = MPG, colour = Type, fill = Type)) +
  xlab("Number of Cars Sampled") +
  ylab("Miles Per Gallon") +
  theme_ipsum()
```

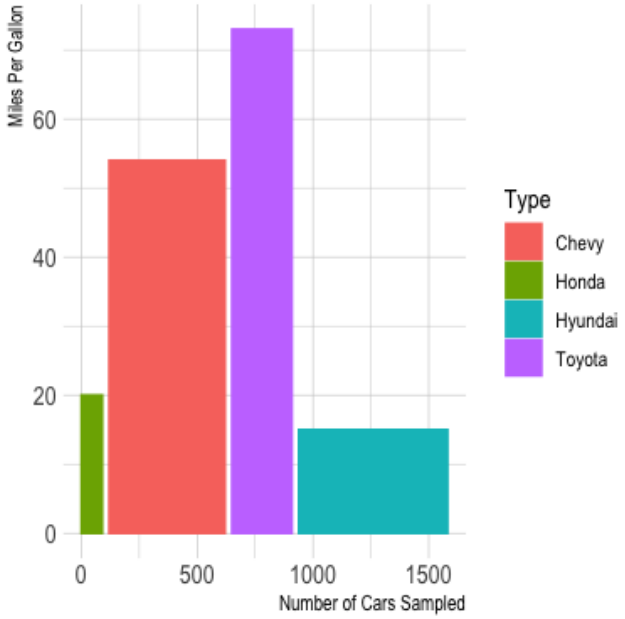

Chart 2.

```
library(tidyverse)
library(ggplot2)
library(dplyr)


gg_np <- ggplot(data = mpg, aes(x = drv, y = hwy, group = class, col=drv))
gg_np +
  geom_col(show.legend = FALSE) +
  theme_gray() +
  labs(x = "Type of Drive Train", y = "Highway Miles per Gallon") +
  facet_wrap(~ class)
```