1. Recreate the following plots shown below.

   (Hint):
   For the first few plots, use the mpg dataset.

   library(ggplot2)
   library(ggthemes)
   head(mpg)

   install.packages('ggthemes')
   library(ggplot2)
   library(ggthemes)
   head(mpg)

2. Histogram of hwy mpg values.

   ggplot(mpg, aes(hwy)) + geom_histogram(bins=20,fill="red", alpha=0.5)

3. Barplot of car counts per manufacturer with color fill defined by cyl count.

   ggplot(mpg, aes(manufacturer)) + geom_bar(aes(fill=factor(cyl)))

4. Switch now to use the txhousing dataset that comes with ggplot2.
   head(txhousing)

   head(txhousing)

5. Create a scatterplot of volume versus sales. Afterwards play around with alpha and color arguments to clarify information.

   pl <- ggplot(txhousing,aes(x=sales, y=volume)) + geom_point(alpha=0.4, col="blue")
   pl

6. Add a smooth fit line to the scatterplot from above. Hint: You may need to look up geom_smooth()

   pl + geom_smooth(col="red")