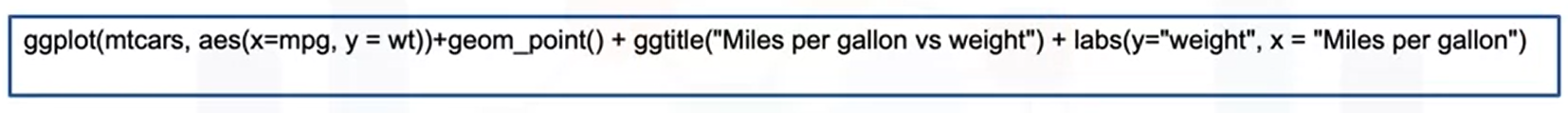
Text

Description automatically generatedText

Description automatically generated



Graphical user interface, text, application

Description automatically generated

install.packages("GGally", repos = "https://cran.r-project.org", type= "source")

library(datasets)

# Load Data

data(mtcars)

# View first 5 rows

head(mtcars, 5)

?mtcars

#load ggplot package

library(ggplot2)

# create a scatterplot of displacement (disp) and miles per gallon (mpg)

ggplot(aes(x=disp,y=mpg,),data=mtcars)+geom\_point()

# Add a title

ggplot(aes(x=disp,y=mpg,),data=mtcars)+geom\_point()+ggtitle("displacement vs miles per gallon")

# change axis name

ggplot(aes(x=disp,y=mpg,),data=mtcars)+geom\_point()+ggtitle("displacement vs miles per gallon") + labs(x = "Displacement", y = "Miles per Gallon")

#make vs a factor

mtcars$vs <- as.factor(mtcars$vs)

# create boxplot of the distribution for v-shaped and straight Engine

ggplot(aes(x=vs, y=mpg), data = mtcars) + geom\_boxplot()

ggplot(aes(x=vs, y=mpg, fill = vs), data = mtcars) +

geom\_boxplot(alpha=0.3) +

theme(legend.position="none")

ggplot(aes(x=wt),data=mtcars) + geom\_histogram(binwidth=0.5)