```
 Titanic = read_csv('https://query.data.world
/s/vzfea5ovtiqfyn2hwx2ip4ao4cb3k5?dws=00000')

 View(Titanic)

install.packages("babynames")
library(babynames)

install.packages("diamonds")
library(diamonds)

install.packages("penguins")

install.packages("tidyverse")
library(tidyverse)

install.packages("ggplot2")
library(ggplot2)

install.packages("ggplot")
library(ggplot)

install.packages("dplyr")
library(dplyr)

install.packages("ggraph")
library(ggraph)

install.packages("tidyr")
library(tidyr)

install.packages("tidyquant")
library(tidyquant)

install.packages("shiny")
library(shiny)


install.packages("caret")
library(caret)

install.packages("e1071")
library(e1071)

install.packages("plotly")
library(plotly)


install.packages("knitr")
library(knitr)

install.packages("mlr3")
library(mlr3)

install.packages("xgboost")
library(xgboost)

install.packages("tibble")
```

```
install.packages("airquality")

#Not supported by this version of R
install.packages("pressure")

View(babynames)
tail("babynames")

ggplot(data = babybames) +
  geom_point(mapping = aes(x = year))

# This is a diamond dataset example of plotting
ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = cut, fill = clarity), position = "dodge")

ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = cut, fill = clarity))

# Examples with the pressure datasetr
ggplot(data = pressure) +
  geom_col(mapping = aes(x = temperature, y = pressure))

ggplot(data = mpg) +
  geom_bar(mapping = aes(x = class, fill = class))

ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = cut, fill = clarity), position = "fill")

# Facet wrap example without color
ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = color)) +
  facet_grid(clarity ~ cut)

ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = color)) +
  facet_grid(. ~ cut)

ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = color)) +
  facet_grid(clarity ~ .)

# Facetgrid example
ggplot(data = diamonds) +
  geom_bar(mapping = aes(x = color, fill = cut)) +
  facet_wrap( ~ cut, scales = "free_y")


####################### Geom Histogram Demonstration ###############
ggplot(data = diamonds) +
  geom_histogram(mapping = aes(x = carat))

# Using dataset with bins examples
ggplot(data = diamonds)+
  geom_histogram(mapping = aes(x = carat), bins = 10)

# Another example of Binwidth and boundary
ggplot(data = diamonds) +
  geom_histogram(mapping = aes(x = carat, fill = color), binwidth = 0.01, boundary = 0)

# Geom_freqpoly examples
```

```
ggplot(data = diamonds) +
  geom_freqpoly(mapping = aes(x = carat), binwidth = 0.25, boundary = 0)

#Geom_dotplot examples
ggplot(data = mpg) +
  geom_dotplot(mapping = aes(x = displ), dotsize = 0.5, stackdir = "up", stackratio =
1.1)




############################ Working with Box Plot in R ############################
ggplot(data = mpg) +
  geom_boxplot(mapping = aes(x = class, y = hwy))


ggplot(data = diamonds) +
  geom_area(mapping = aes(x = carat, y = cut))
```