**Assignment 10**

Submit: 3 figures with 3 captions (30-100 words each) that either explain a concept or demonstrate results of your project. These can be used in the project report without change, or you can change them later if you wish.

Figures (6 points): You can create these with a drawing application or computationally with Matplotlib or similar, depending on content.

Captions (4 points): The explanation for each of the topics (30-100 words each) is expected make the content understandable.



Data that collected from Google Play Store.

We extract :

Name of Application, Category, Rating Reviews, Size of application, Installs Type ,Price,Content Rating,Genres, Last Updated, Current Version, Android Version

For each application.

Chart, box and whisker chart

Description automatically generated

In this plot we demonstrate applications in the number of Installation and the number of reviews.

ggplot(google, aes(x = Rating, y = Installs)) +

geom\_point() +

geom\_line() +

theme\_classic(base\_size = 10) +

theme(legend.position = "none") +

labs(title = "google review", y = "Installs", x = "Rating")

Chart

Description automatically generated

In this plot we demonstrate applications in the number of reviews and rate per each application.

google<-read.csv("Book1.csv")

library(ggplot2)

ggplot(google, aes(x = Rating, y = Genres)) +

geom\_point() +

geom\_line() +

theme\_classic(base\_size = 10) +

theme(legend.position = "none") +

labs(title = "google review", y = "Genres", x = "Rating")

Chart, box and whisker chart

Description automatically generated

In this plot we demonstrate applications in different category with the number of rate.

google<-read.csv("Book1.csv")

library(ggplot2)

ggplot(google, aes(x = Rating, y = Genres)) +

geom\_point() +

geom\_line() +

theme\_classic(base\_size = 10) +

theme(legend.position = "none") +

labs(title = "google review", y = "Genres", x = "Rating")