EDA la2

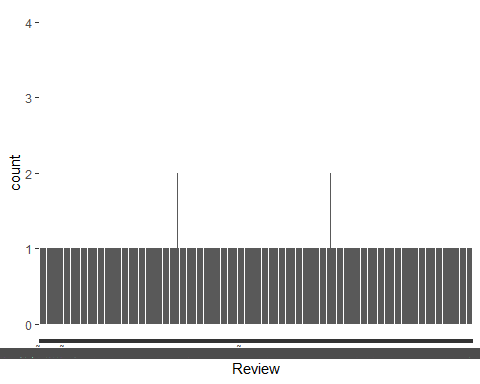
Submitted By: Sanjeev V V S(1NT19IS183) & Vinayak P Bhupal(1NT19IS187)

2022-07-03

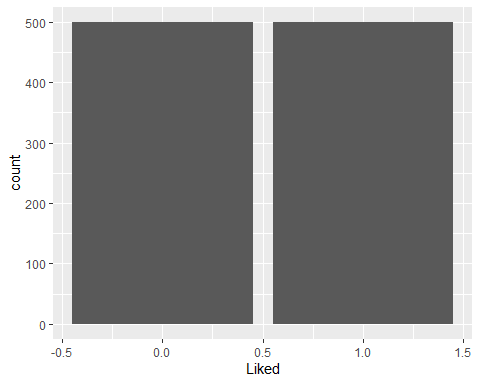
library(readxl)  
Restaurant\_la <- read\_excel("C:/Users/Admin/Desktop/Restaurant\_la.xlsx")  
View(Restaurant\_la)

**Visualizationsa of dataset in BAR Graph**

library(ggplot2)  
ggplot(Restaurant\_la,aes(x=Review))+geom\_bar()

 **Visualizations of dataset in BAR Graph**

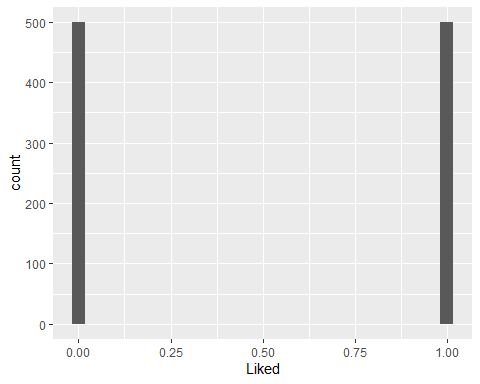
ggplot(Restaurant\_la,aes(x=Liked))+geom\_bar()



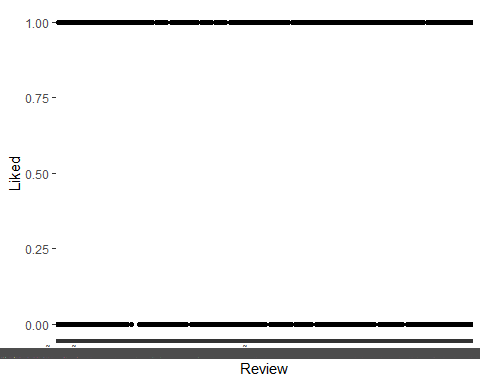
**Visualizations of dataset in histogram Graph**

ggplot(Restaurant\_la,aes(x=Liked))+geom\_histogram()

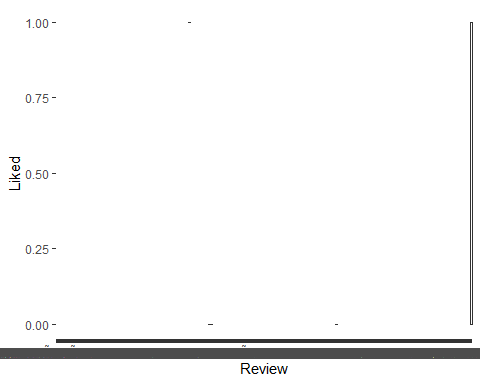
## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.

 **Visualizations of dataset in ScatterPlot**

ggplot(Restaurant\_la,aes(x=Review,y=Liked))+geom\_point()

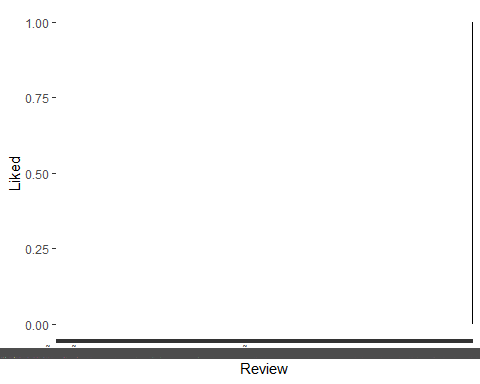


**Visualizations of dataset in Vilion Graph**



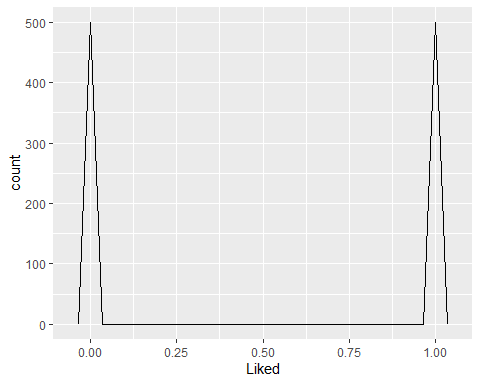
**Visualizations of dataset in Line Graph**

ggplot(Restaurant\_la,aes(x=Review,y=Liked))+geom\_line()

 **Visualizations of dataset in Poly\_Freq Graph**

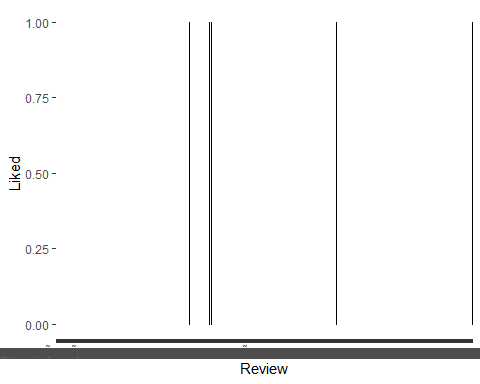
ggplot(Restaurant\_la,aes(x=Liked))+geom\_freqpoly()

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.

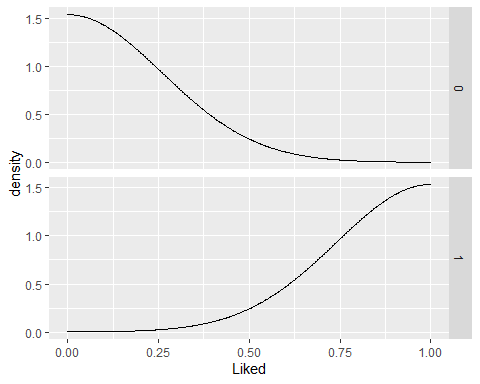


**Visualizations of dataset in Density Graph**

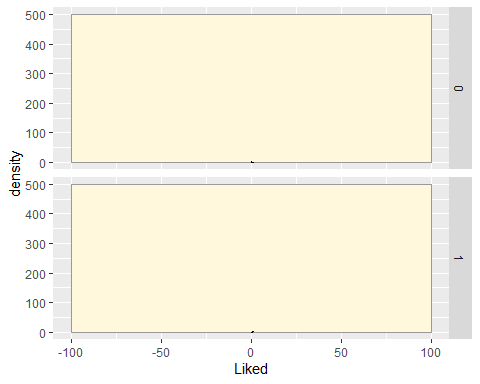
ggplot(Restaurant\_la,aes(x=Review,y=Liked))+geom\_density()

 **Density curves with facets**

ggplot(Restaurant\_la, aes(x = Liked)) +  
 geom\_density() +  
 facet\_grid(Liked ~ .)

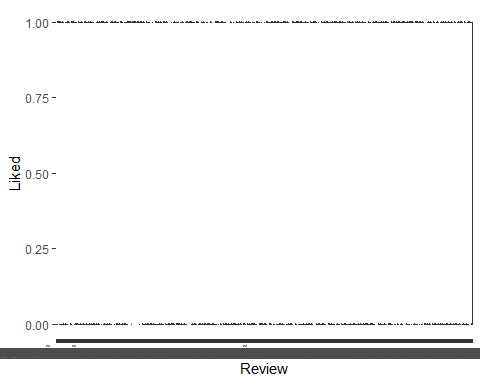
 **Density curves overlaid on histograms**

ggplot(Restaurant\_la, aes(x = Liked)) +  
 geom\_histogram(binwidth = 200, fill = "cornsilk", colour = "grey60",  
 size = .2) +  
 geom\_density() +  
 facet\_grid(Liked ~ .)

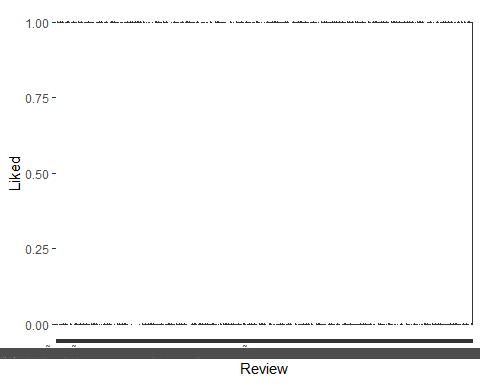


**#Making a Basic Box Plot**

ggplot(Restaurant\_la, aes(x = Review,y=Liked)) + geom\_boxplot()

 **#Box plot with narrower boxes**

ggplot(Restaurant\_la, aes(x = Review, y = Liked)) + geom\_boxplot(width = .5)



**#Making Multiple Dot Plots**

ggplot(Restaurant\_la, aes(x = Review, y = Liked)) +  
 geom\_dotplot(binaxis = "y", binwidth = .5, stackdir = "center")

