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Subject: Scripting Language and R Subject Code: PMC 103

Roll No.- 2101096 Date: 15/3/22

Ans3 → We are using here Titanic dataset to analyze

Local data:

⇒ titime <- read.csv("c:/users/Desktop/time.csv", header=TRUE, sep="")

Peek at your data:

⇒ View (titanic)

This help us for familia rising with the data set

⇒ head (titanic. 10)

return first 10 rows

⇒ tint (titanic[0,])

~~This~~ return Bottom. 10. rows,

⇒ names (titanic)

This helps us in checking all the veriables in data set.

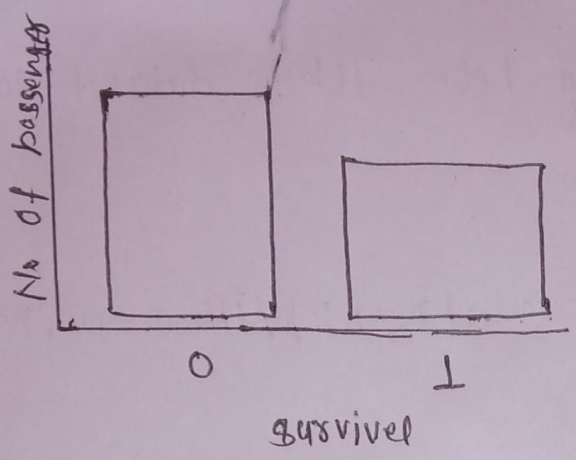
⇒ Summary (titanic):

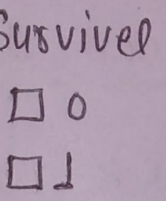
It is one of the most important function that help in summarising each attribute in the dataset. It gives the descriptive statics of the data.

Analysis & Visualization:

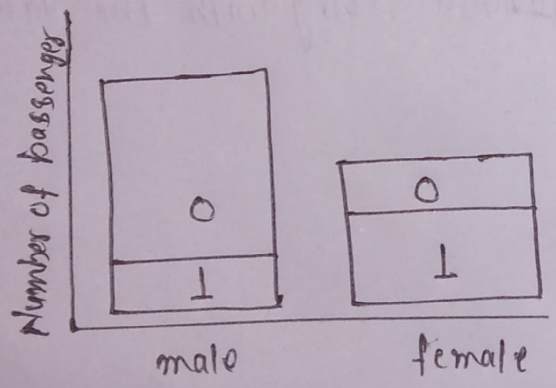
- **Survival rate:**

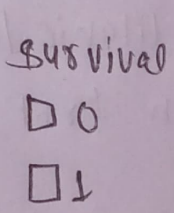
```
ggplot(titanic, aes(x= survived)) + geom_bar()
```





- **Survival rate based gender →**






```
gg bloat(titanic, aes(x= sex, fill= survived)) + theme_bw() +
geom_bar() + labs(y= "Number of passenger"
title= "survival Rate by Gender")
```

Distribution of Fare rate :

```
hist(titanic$fare, main = "fare per Pegg"; x lab = "fare",
     col = "grey" breaks = 40, xlim = c(0,300))
```

Fare Per Person