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Subject: Scripting Language and R Subject Code: PMC 103

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Ans 3 → We are using here Titanic dataset to analyze

Load data:

⇒ titime <- read.csv("C:/user/Desktop/ttime.csv", heade=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.

⇒ tail (titanic, 10)

return Bottom, 10, rows.

⇒ names (titanic)

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

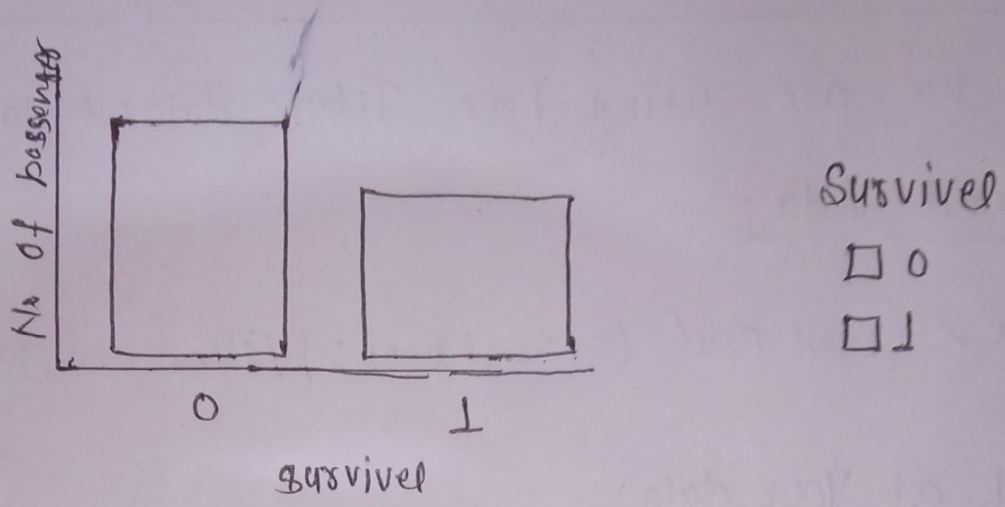
⇒ Summary (titanic)

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

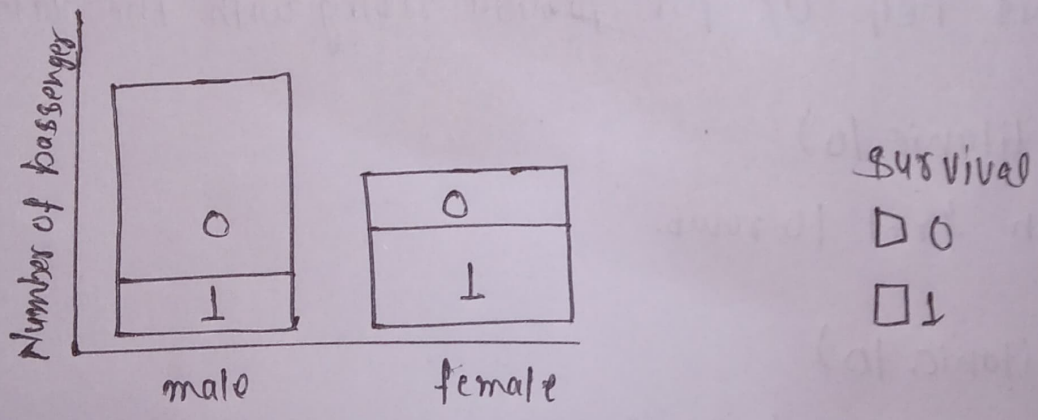
Analysis & Visualization:

- **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"
    fittle= "survival Rate by Gender")
```

• Distribution of Fare rate :

```
hist(titanic$fare, main="fare per Pass", xlab="fare",
     col="grey", breaks=40, xlim=c(0,300))
```