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Subject - R programming
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course - Mat. - 3rd - 'C'
Subject code - PMC-103
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Ans 3 -

~~id, name, salary, s~~

we are using here titanic dataset to analyze:

load data :

1) titanic ← read.csv("C:/Users/Desktop/titanic.csv", header. TRUE, sep=",")

Peek at your data :

2) view (titanic)
This help us for familiarizism with the data set.

2) head (titanic, 10)
return first 10 rows

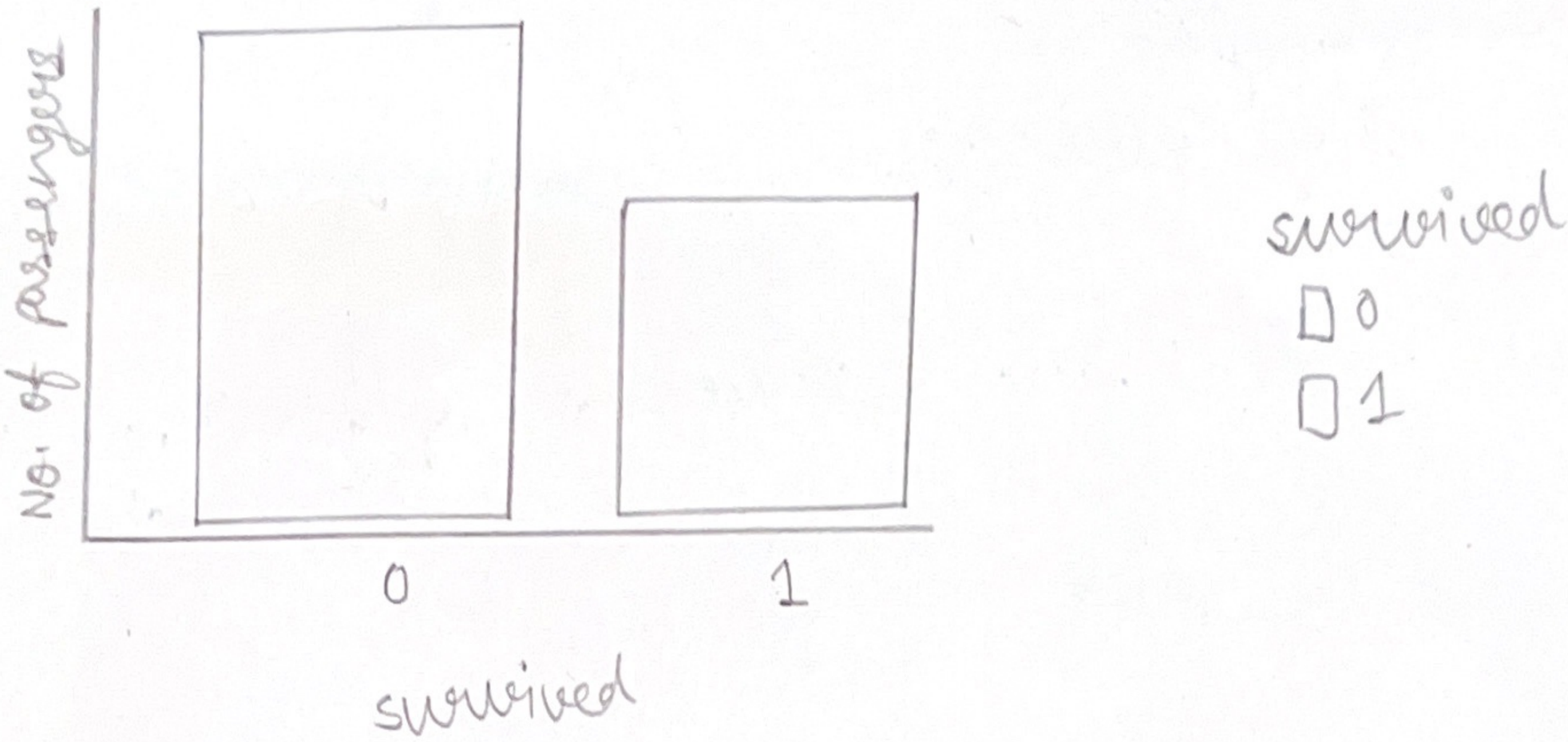
3) tail (titanic, 10)
return Bottom, 10, rows

4) names (titanic)
This helps us in checking out all the variables in the data set.

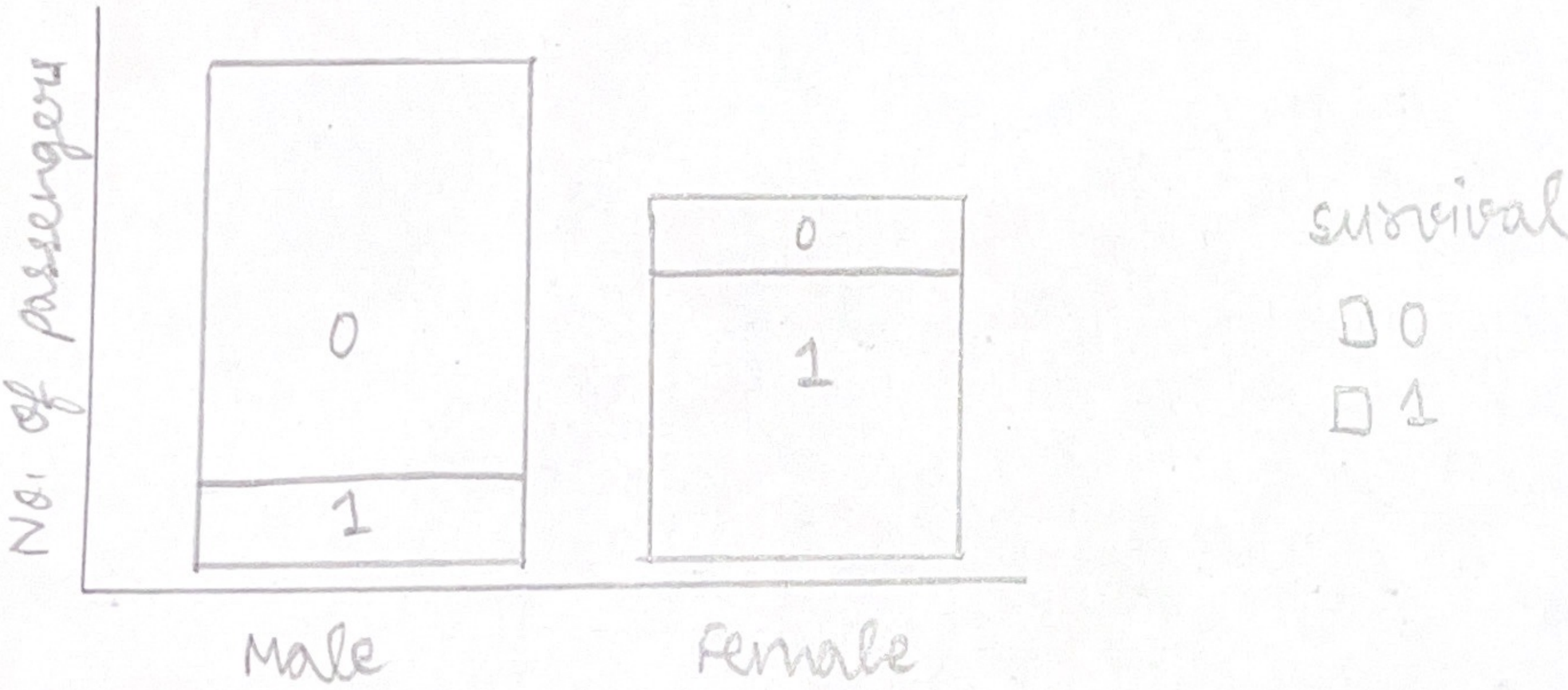
5) summary (titanic)
It is one of the most important functions that help in summarising each attribute in the dataset.
It gives the descriptive statistics of the data.

- Analyze & visualizations :
  - survival rate :

```
gg plot (titanic, aes (x = survived)) + geam.bar()
```



- survival rate based gender :




```
ggplot (titanic, aes (x = sex, fill = survived)) +
        theme_bw() + geom_bars() +
        labs( Y = " Number of Passengers ",
        title = " survival rate by Gender ")
```

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- distribution of fare rate :

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

Fare Per Person.