Name-Azay Croswani Course-Ma -(B) 1 H Sem

Rollno-2101009 (23)
Sub; caripting language/R
Programming

(oue - 3 1) (mg)

here using there titatic dataset to analyze. Load data:

2) titanic < great. csv ("(:/ Users 1 Desktot/titanic.csv"
1 header=+RUE].

Peck your data:

View (titanic)

This help us in bamiliarising with the data set.

head (titunic, 10) oreturn first 10 vous.

hames (titanic) retron Bottom, 10 vrows

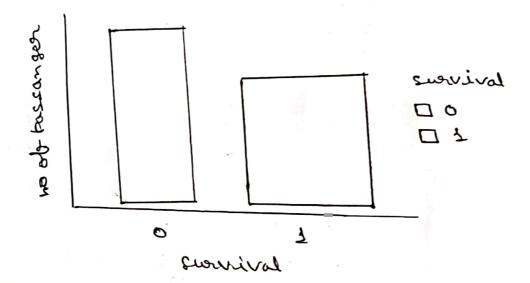
Summary (titanic)

It is one of the most important function that help in Summaricing each attail whe in the dataset. It gives the descriptive statistics of the data.

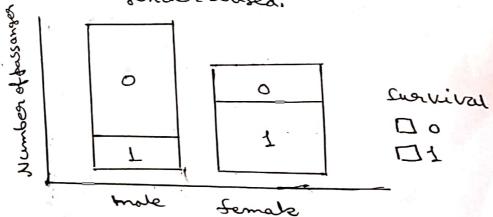
Analysis & visualization:

Surarvival orate:

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



sessed restange store laviered?



ggblot (titanic, acg (x = sex) till=survived))

+ theme_bu() + geom_box() +

lobs(Y = "Number of fassangerg".

title = "survival Rate by arender").

Nome - Asay Croswami

Rollno- 2101009.

(one 4) ams)

Discorptive statics: -

Summary! - gives us the descriptive sets like

In case of Munerical data;

aires mean, mode, median, Range.

Measures of central Tandency.

32.20421 (spent \$32 to bord the ship 7

3 mode (titatic & Age) [mode commontese on titatic]

3 median (to tanic & fare) 14.52

Measure of Spread

stance (titanic oftare) itshows Nowestl 0.000 512.3292. fare]

vor (+Hanic &two)

2469.437

Sagent (var (titabic & forc)

Interential statistics:

Hypothesis testing:

hew data (- Subset [+itamic, \$ pclass == 1)

=> test 2 = function(a, 6.4) {
sample-mean= mean (a)

tob-mean= mean(6)

C= now = (n)

Varb = varces

data = (Sample - mean, popmean) / Squet (Var-6/6))

call function :.

Z. test? (newdat \$ survived, titanic survived, hewdata)

F. 423838.