Name - Abash Rana University Roll No -> 2101014 Student 1d -> 21711200

Q3.

Ans -> we re using here titanic dataset to analysis.

lood data:

=> titamic <- read. CSV('c:/wer/Desktop/titamic.csv', header

TouE, sep = ",")

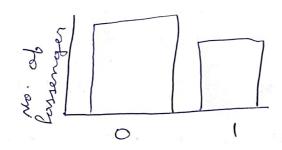
- => view (titanic)
  This help us to farmiliaring
- >> head (titanic, 10) xeturn first 10 rows.
- => tail (titanic, 10) &eturn Bettom, 10 vous.
- => names (titanic)
  This help us in checking on all the variables in
  the data set.
- => summory (titanic)

It is one of the most important function that help in summarising each altribute in the dataset.

Analysis & visualisation.

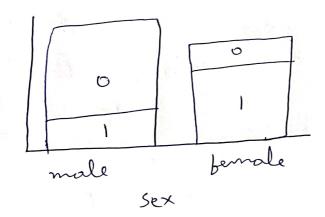
· Survival rate:

89 plat (titanic, aes (x = Sprvived) + geom. bar()



Survived O 1

- Survivuel vote based gender:



gg plat (titarric, oes (x=set, bill=survived)) + themebw()+
geombon() + lobs (y="Name of passengers",
title="survival Rate of Gender")

- Distribution of bore rate:.

hist(titanic & bore, main = "bore perperson", x lab = "Eare", cal = "greg" breaks = 40, x lim = ((0, 300)).

34.

Ans. > Descriptive statistics:

Sumorry: Girles us the discriptive states like.

In case of Numerical dato:

Circe Mean, node, nedian range.

neasure of central Tendancy:.

=> mean (titanie & bare) 32.20421

=> made (titanie \$ age) 24

=> medion ( train \$ bare)

Measure of spread: 
=> range (titanic \$ bare)

0.000 \$12.3292.

=) Non (tilanic Spare) 2469.437.

=> sqrt (var (titamic \$ bare)) 49.69343 [ It show lowest and highest value of bare ?. Interential statistics:.

Hyphothesis Zeesting: .

new-dota (- Subset (tilanic, tilanic & fore == 1)

2. Lest 2 = function (a,b, n) {

Samplemean: mean(a)

popmeon: mean(b)

DC=Wew(n)

Var. b = var(b)

Zeta = (sample. mean-pepmeen) / sport (val. b/c)) Xeturn: zeta.

# call function.

2. test 2 ( new data & Survived, tilanic & Survived, new data)

7. 423828.