Name - Amit Singh Rana Roll no: 1022722

Q4- Ans- Descriptive stats:-

Summary :- Gives us the descriptive sets like in case of Numerical data :-

Gives mean, mode, median, Range

Measures of Central Tendency

=> mean (titanic $ fare)

32.20421

[On Average person spent $ 32 to board the titanic]

= mode (titanic $ Age)

24

[mode common Age on titanic]

=> median (train $ fare)

14.542

measure of spread:

range (titanic $ fare)

0.000 512.3292

[It shows lowest & highest value of fare]

=> var (titanic $ fare)

2469.437

=> sqrt (var (titanic $ fare)

49.69343

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Inferential Statistics :-

Hypothesis Testing :

new_data <- subset (titanic, $P class = 2)

=> test2 = function (a, b, c) {

Sample_mean = mean (a)

Pop_mean = mean (b)

C = nrow = (n)

Var b = var (b)

data = (Sample_mean, pop_mean) / sqrt (var_b/c)

return data.

Call function :-

2: test2 (new_data $ Survived, titanic $ Survived,

new_data)

7.423828

Ans: