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Ans 4

Descriptive statics :-

Summary :- Gives us the descriptive sets like

In Case of Numerical data :-

Gives mean, mode, median, range

Measure of Central Tendency

⇒ Mean (titanic & fare) [on Average person spent $32 to boarded the titanic]

32.20421

⇒ Mode (titanic & Age) [mode common Age on titanic]

24

⇒ Median (train & fare)

14.542

Measure of spread :

range (titanic & fare) [It show lowest & highest value of fare]

0.600 512.3292

⇒ var (titanic $ fare)

2469.437

⇒ sqrt (var (titanic $ fare)

49.69343

Inferential statistics :-

Hypothesis Testing :-

new data <- subset (titanic, $ pclass == 1)

⇒ test 2 = function (a, b, A) $

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 :-

z. test 2 (new data $ Survived, titanic $ Survived, new-data)

7.423828