**Statistics**

**Assignment questions solved :**

Topic (Quantitative Variable)

Discrete/Continuous variable

Question 1: What kind of variable is the following?

* Martial status: Discrete variable
* Ganga river length: Continuous variable
* Movie duration: Continuous variable
* Pincode: Discrete variable
* IQ: Discrete variable

Topic 2: Mean, Median, Mode( Measure of central tendency)

# mean : X = { 1,2,3,4,5} Avg / Mean

1+2+3+4+5/5 = 15/5 = 3 (ans)

Question 2: Age Salary

24 45000

28 50000

29 NAN

NAN 60000

31 75000

36 80000

NAN NAN

Mean = 148/5 = 29.6 \* { NAN = Not a number }

* Median :

Question 3: {1,2,3,4,5,6,7,8,100,120}

Sol: median = 5+6/2 = 5.5

Topic: Mode

{most frequently occurring elements}

{1,2,2,2,3,3,3,4,5} mode = 2, 3

Question 4: Types of flower

Lily

Sunflower

Rose

NAN

Rose

Sunflower

Rose

NAN

Mode = Rose { so now replace NAN with rose}