## Assignment - 2

How can use figure out what the interquartile range in?

Ans

It is a mesure of where the "middle fifty" is in a detain

$$\int_{100}^{\infty} 03 = \frac{75}{100} \times (n+1)$$

$$\left(\begin{array}{cc}
O_1 = 25 \times (n+1) \\
100
\end{array}\right)$$

Ques 2 what exactly in the value of the 5 number throng ?

5 number summary in und to remove outlies in the data Assummary consent of 5 value

1 Maximum value

2) Minimum Value

(3) Lones overtile

(4) Upper avarble (5) Median

All value given summary of a data because each value describes a specific part of a dataset.

1) Median gives conter of data set 2) Overkle apan the middle half of the dataset

3 Highest & lawest value provider additional data about actual dispersion of the data

All value can abobe used to Jam Box and white plots

what in the relationship blu standard deviation & variance? Dun 3 variance represents the average squared deviation from the men value of data, while standard Deviation represent square root of that number Both measure variability in a distribution Variance = (Standard deviation) deviation mean? Am Standard Deviation Variance O Square root of variance The average squared difference 3 Spread blu number in a data The average degree to which or change ones time 3 (1) Standard durschio L (1) volatility When hit appropriate to refer skewed data distribution When Data its neither symmetric nor normal became the value trail off more sharply on one side than on the other, Right skew . Eg weath Dintribution, left skew > Eg + life span