

PARSHWANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering **Data Science**



Subject: Statistics for AJDS Academic Year: 20 23-20 24.

TRIMMED MEAN:

* The mean is considered the average of a data set

* Finding a toimmed mean you ignore an outlieu in your data ket.

* An author is a value by thelf at the beginning or end of a data set.

Example 1:-

(1) Calculate the mean of the following data set: 304, 366, 325, 350, 425, 335.

Mean:-

Trimmed Mean: - Remove the highest and the lowert. 3,66,325,350,335

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Semester : ______

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Example:

The scores on the last statistics test were.

67, 72,73,76,81,84,88,91,32,69,73,76,77,84,87, 90,30,68,73,75,77, 83,87, 90 and 92.

X = 67-172+73+76+81+84+88+91+32+69+73+76 177184+87190+30+68173+75+77+83+87490192

25

calculate the 5% trimmed mean:

Remove 5% from top and low end of data value.

0.05(25) = 1.25 -> lowert integer.

(Remove 1 data from top

and low end).

Remove 67 and 92. from dataset.

Calculate 10% trimmed mean:

0.10(25) = 2.5 -> 3.

Remove 3 dates values from top and bottom end of dates value. -19 (1493).

Subject Incharge: Prof. Sarala Mary Page No. 2

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