

PARSHWANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science



Subject: Statistics for AJDS Academic Year: 2023 - 20 24 Semester : ______ BOXPLOT:-15- 16 16 17 Solution:-(Without Outlier). 18.5 16 18 Minimum = 3. Marimum = 34 0, =13.5 Median = 16 03 = 18 (with Outlier). 1.5 (IOR) Rule. 1.5 (IQR) -> 1.5 (03-01). = 1.5(18-13.5) = 6.75 Lower outlier = 0, -6.75 13.5-6.75- 6.75upper Outlier = 0 8 +6.75 18+6.75 = 24.75



A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering



Semester : _____

Subject: Statistics for AIDS

Academic Year: 20 23 20 2 4

Example 2:

8,4,4,5,7,9,11,11,13,14,41

Minimum = 2.

(Without outlies).

Manimum = 41

0, = 4

Median = 9

Q3 = 13

(With outlier).

-> 1.5 (O3-Q1).

-> 1.5 (13-4) = (1.5)(q).

= 13.5

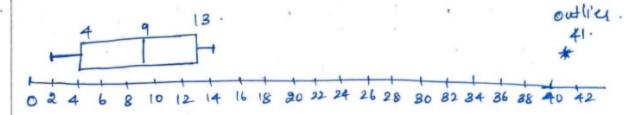
Lower outlier = Q1 - 13.5

= 4-13.5 = -9.5

Uppa bound = Q3 +18.5

= 13+13.5 = 26.5

Range = -9.5 to 26.5.



Subject Incharge: Prof. Sarala Mary Page No. 4.

Department of CSE-Data Science | APSIT