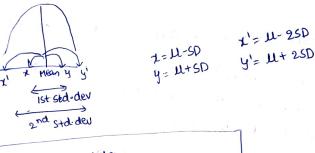


H= 27 =3. median = 3 mode = 3 Ev2: data= {1,2,2,3,3,3,4,4,50} positive skewed $M = \frac{72}{9} = 8$, median = 3, mode = 3. -mean is prone to outliess-Ex3: data= f-8,2,2,3,3,3, 4,4,5} Left skewed data. $u = \frac{18}{9} = \frac{2}{9}$, medlan=\frac{2}{9}, mode=\frac{3}{9} positive on Right Itemed data mean-median mode Negative (a) left stened data: mean c median c mode Outliers:- "Datapoint which is away from general pattern. *odd one out. 11=23 24 25 27 median (20 21 22 (23) 24 25 24 25 20 median=23 for both data. * It is suggestable to take Median, when data have outliers.

outlier detection: - is the process of detecting data points which are not as per the general pattern on data. Two ways: Boxplot & 2-5 (exe IR=Q3-Q1 outiers Boxplot: outless Mark (Q3+ 1-5 IQR) a, (Q1-15 JAR) * The outries, are the points that are present beyond & below the Upper & 10000 whistels. Z-Score: - Zscore tells how many standard devictions (ed) away a data point is from the mean standard score - X-77 - (Wear) 2-8core = 5 -3(8+d.dew) Exi U=30 Z= 45-30 = 3 The point 2 is 3 stolders away from mean X=45 6=5



3 std.dev → 99.10 of data 2 std.dev > 95.10 of data 1 std.dev > 65-601 of data will be coverled

EXT: 20 22 25 26 28 59 soutlier

6=13 x xi-M (xi-M)2 2 Score 20.76 100 -10 20 -0.61 64 -8 22 0.38 -0.31 Journey falls in 154 S.P 25 25 -5 16 4 26 -0.15 4 2 afulin 3rd S.D 29 59 841 more compared to other values.

M=30

