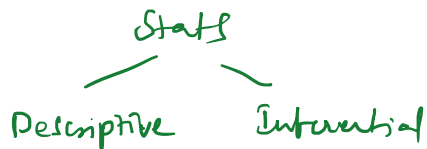


Introduction to Statistics:

13 October 2022 09:17



Measures of CF :-

① mean :- $\bar{x} = \frac{\sum x}{n}$

② median

③ mode

3k, 40k, 40k, 40k, 40k, 40k

Mod, - middle point

40, 40, 40, 40, 40

3, 40, 40, 40, 40, 40, 100, 100

mean = 40

med = 40

median

n = odd

$m = \left(\frac{n+1}{2}\right)^{th}$ term

n = even

$m = \frac{\left(\frac{n}{2} + 1\right)^{th} + \left(\frac{n}{2}\right)^{th}}{2}$

60 | 103.5 | 25 | 25.5

100, 15, 7, 200, 30, 20

mean = $\frac{100+15+7+200+30+20}{6}$

= $872/6 = 62$

med =

$\frac{\left(\frac{8}{2} + 1\right) + \left(\frac{8}{2}\right)}{2}$
 = $\frac{5 + 4}{2}$
 =