Annignment

P Plot an Histogram of given data

\$9:-10,13,18,22,27,32,38,40,45,51,56,57,88,

90,92,94,99

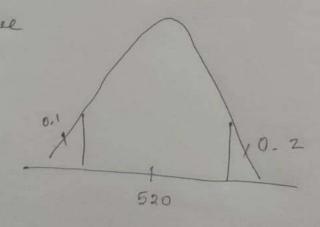
Bins size = 20

Bins size = 20

6 77

7 70 40 60 80 100 X

2) In the Quart test of CAT Exam the population Standard deviation in Known to be 100 A nample of 25 test taken has a mean of 520. Construct an 80%. CI about the mean



Pointo cotimate
$$\pm$$
 margin of evoir $X \pm Z \propto \left(\frac{5}{\sqrt{n}}\right)$

$$\Rightarrow 2 \times Z = Z + \frac{0.2}{2} = 20.1$$

$$= 20.9 + \frac{1.29}{2}$$
Lower fence $X - Z \propto \left(\frac{5}{\sqrt{n}}\right)$

$$= 520 - 1.29 \times 20$$
Lower fence $X = 494.2$

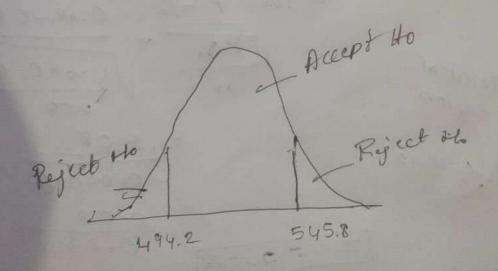
Lower fence . The: 494.2

High fence
$$II + Z = \frac{1}{2} \left(\frac{3}{3R} \right)$$

$$520 + 1-29 \times 20$$

$$520 + 25.8$$

$$= 545.8$$



B) At a 10 % xignificance level in there enough evidence to Support the idea that vehicle ocener in ABC City to Support the idea that vehicle

$$\hat{p} = \frac{L}{n} = \frac{170}{250} = 0.68$$

(10 % Significance Level)

Test:
$$P - P_0$$
 0.68 - 0.6

The plane of the properties of the pr

Rejection the Null Hypothesin.

ity ABC linagrees ing

dence ? City

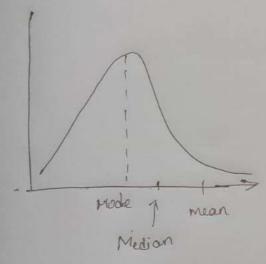
what is the value of the 99 percentlee 2,2,3,4,5;55,6,7,8,8,8,8,9,9,10,11,1),12

50, 12 is the value of the 99 percentile

mean, median & mode?

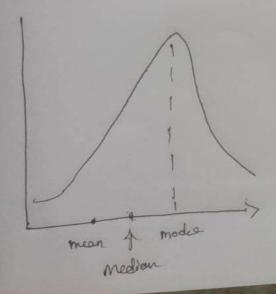
Draw the graph to depresent the same

positively Skewed



Example = we alth Distribution

mean > median > mode Negatively Skewed



mode median mean Example: Life Span of Human Beign