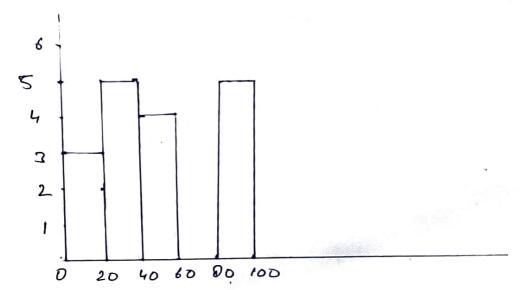
01 Histogram 10, 13,18,22,27,32,38,40,45,51,56,57,88,90, 92,94,99.

Solu Bins = 5

Bin size = 100 = 20

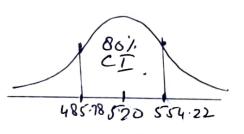


02 Population, 5 D(5)=100 Mean (x) = 520, Sample, 1725 CI = 80).

Sohn Since, CI = 80%, , X = 1-CI = 0.2. =) 0/2 = 0.1

So, 2 # 0/2 x (5)

- =) $520 \pm 1.711 \times (\frac{1.00}{1.25})$
 - =) 520±1.711×20
 - =) 520± 834.22.
 - J 554.22 & 485.78.



03
$$P_0 = 60\%$$
,
 $n = 250$

P = 170 × 100 = 68/.

(9) Nutleste Null hypothesis states less than 60%. of people own car

Alternale lypothesis states more than 60%. of =) H € 60 8. Ho= M € 60

people own a car. =) H, \$ 600/. = U>60%.

(b) Significance level, $\alpha = 0.1$, so, z = +1.29

300 Z= p- 4/0 1 po 90

= 2.681

· Sar Since, 201.29 < 2.581

We reject the null hypothesis

= 1 - Z2.501 p value 1-0.995 = 0.005

p value = ox, we reject mull hypothesis

on right skewed mode < median < mean

median

Right skewed data