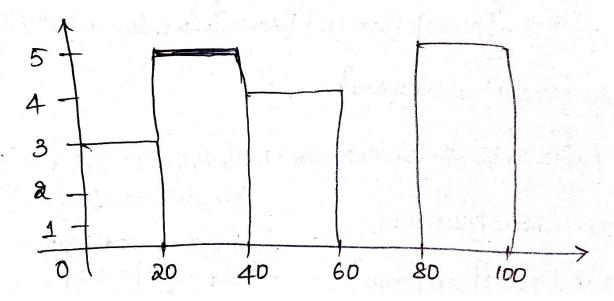
Assignment

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

bins = 50bin size = 20

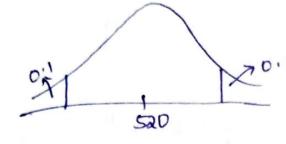


Acignment

the Quant test of CAT exam, the population std deviation is known to be 100. A comple of at text taken has a mean of tao. Construct a 80% C.I about the mean.

A: 6 = 100, N = 25, \(\frac{7}{2} = 520

Significance value (x) 1- C.I = 1- 0.80 = 0.2



70.1 Total area=1 1-0-1=0.9 ZH2 = 20.00 = Zo.1 - 1.29

Point estimate + Margin of error

Lower force =
$$\frac{1}{2} - \frac{2}{4/2} \frac{\sigma}{\sqrt{n}}$$

= $\frac{520 - 129 \times \frac{100}{\sqrt{25}}$

1.4

Higher fence =
$$520 + 1.29 \times 20$$

= $520 + 25.8$
= 545.8

Accompany believes that the percentange of residents in city ABC

BA car company believes that the percentange of residents in city ABC phot war a rehicle is 60% or less. A sales manager disagrees with that the conducte a hypothecis testing surveying 250 residents & found that po responded yes to owning a vehicle postate the Null & Altunate hypothesis. P=>0.014 (may be) (D) At 10% & (sig. value), is there enough evidence to support the idea that vehicle ownerchip in city ABC 'K 60% (04) lect ? 2 = 170, N = 250, K = 0.1 At Hi-Po $\angle 60\%$. $P = \frac{21}{100} = \frac{170}{250} = 0.68$ or $\frac{1}{100}$ 90 = 1-Po = 1-0.6 -0.19 60 y-tect :x-tect = P-Po Po 90 P-value (Prairie) 0.99506 OT DOUBLE 1-0.99506 -0.0049e4 = 0.08

0.00494 20 (011) (Reject) 0.99506 > 0.1 (Accept)

2.58 = 0.19 (Accept the null hypothesis)

z 2.58

0.0309

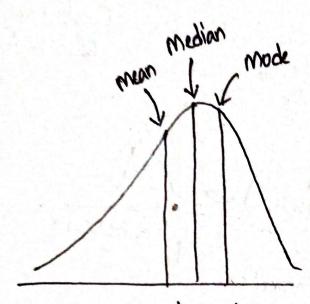
Accignment

2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 9, 10, 11, 11, 12 appercentile?

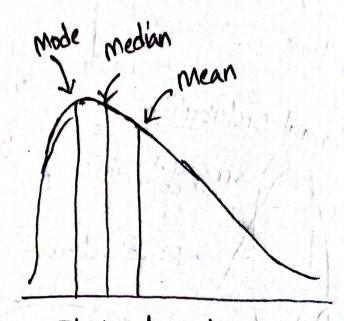
99 percentile =
$$\frac{99}{100} \times (20+1)$$

$$=\frac{99}{100}\times21=20.79$$
 (Index)

ACCIGNMENT:-Relation between Mean, Median & mode



(Negative skew)
Mode > Median > mean



Right skewed (Positive skew) Mean > Median > Mode