Assign ments - Statistics.

2)
$$6=100$$
, $n=25$, $x=520$

2-lest:

 $c.\tau = x + z_{1}z_{2} = 5$

Positive end =)

Solve and =)

 $520 + 1.29 = 545.8$

Squine end =)

 $520 - 1.29 = 494.2$

C. J = 80%

(X = 0.2)

3) hypotheris: let 'P' be probability of vehicle owner owning a car in popular.

Ho => Null hypothesis => P = 60 1/.

H. => Alternate hypothesis => P>60 1/.

Somple (n) = 250

Sample (PD) = 170/250 = 68%.

Ceterocteo + 2=10:1.= 0.10. (90%. C.I)

7 2-667 1.65

2 test =

$$\frac{2}{\sqrt{\frac{\rho_0(1-\rho_0)}{\rho_0(1-\rho_0)}}}$$

- 0.68 - 0.60 0.60 (1-0-6)

> 5 0.08 0.24

1-0.03=0.95.

20.95= +1.65.

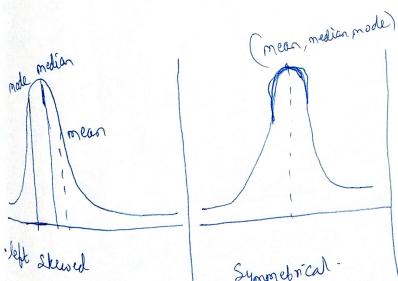
- 2.66

i. nucl hypo thesis is rejected.

> (19) were don Pal- of baloggia owns vehicle

a) 99 percentile value formula:)
$$\frac{99}{100}$$
 (n+1)
$$=\frac{99}{100}$$
 (20+1)
$$=\frac{99}{100}$$
 (21)
$$=20.79$$
 (index).

5) volation between mean, median & mode.



· Positively Skewed.

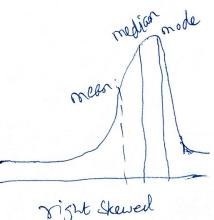
· men > median > mode

wealth distribution (log normal)

Symmetrical.

meson = median = mode

Height of Populbin



right Skewed negatively Shrwed.

mode median mean.

working professionals (age wise).