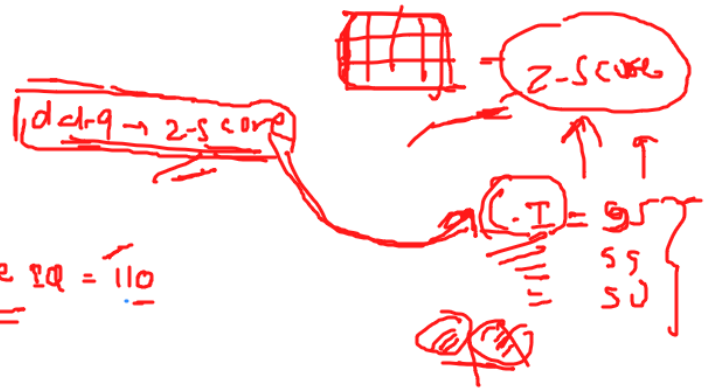
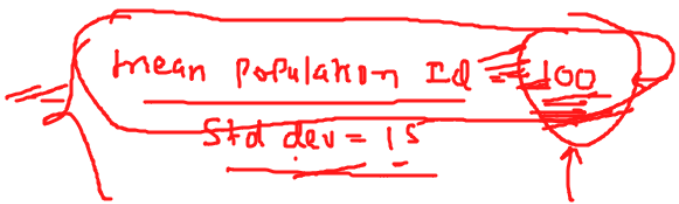


Q college → Students ⇒ 50 Student ⇒ average IQ = 110

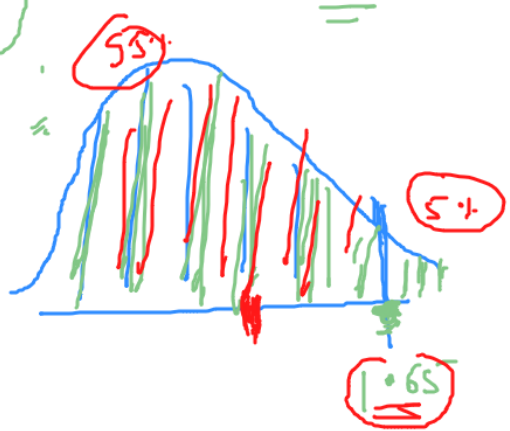


5% Significance level = 0.05

95% CI = 0.95

Null hypn. $H_0 \Rightarrow \mu = 100$ (accept it)

$H_a \Rightarrow \mu > 100$

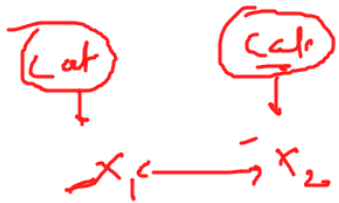


$0.66 > 1.65$

$0.66 < 1.65$

$$z\_Score = \frac{\bar{x} - \mu}{\sigma}$$

$$z\_Score = \frac{110 - 100}{15} = 0.66$$



goodness of fit

chi-square

Hum → x_1

Mm → x_2

Corr

- Pearson corr
- Spearman Rank