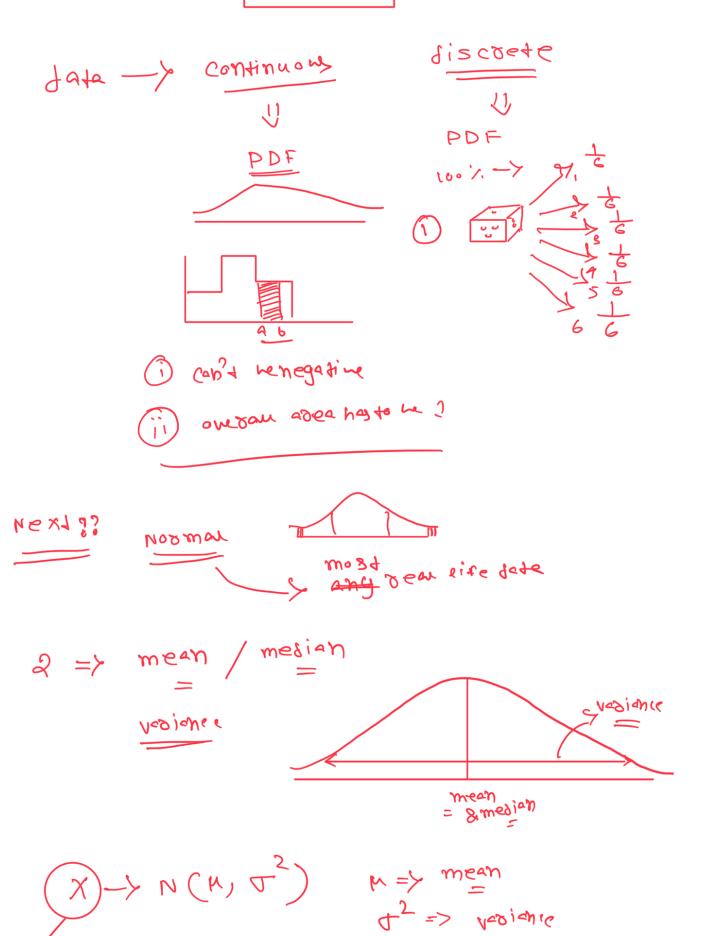
## Statistics



FOO NOOMAL distolation me only have antinousted

mode isn't appricant

X + C -> what changes mean will change

CX -> what changes mean will

 $\begin{array}{c} X \Rightarrow N(N, T^{2}) \\ X+C \Rightarrow N(N+C, T^{2}) \\ CX \Rightarrow N(CN, C^{2}T^{2}) \end{array}$ 

C0 = 1??

Stancod Noomal

N (N , J2

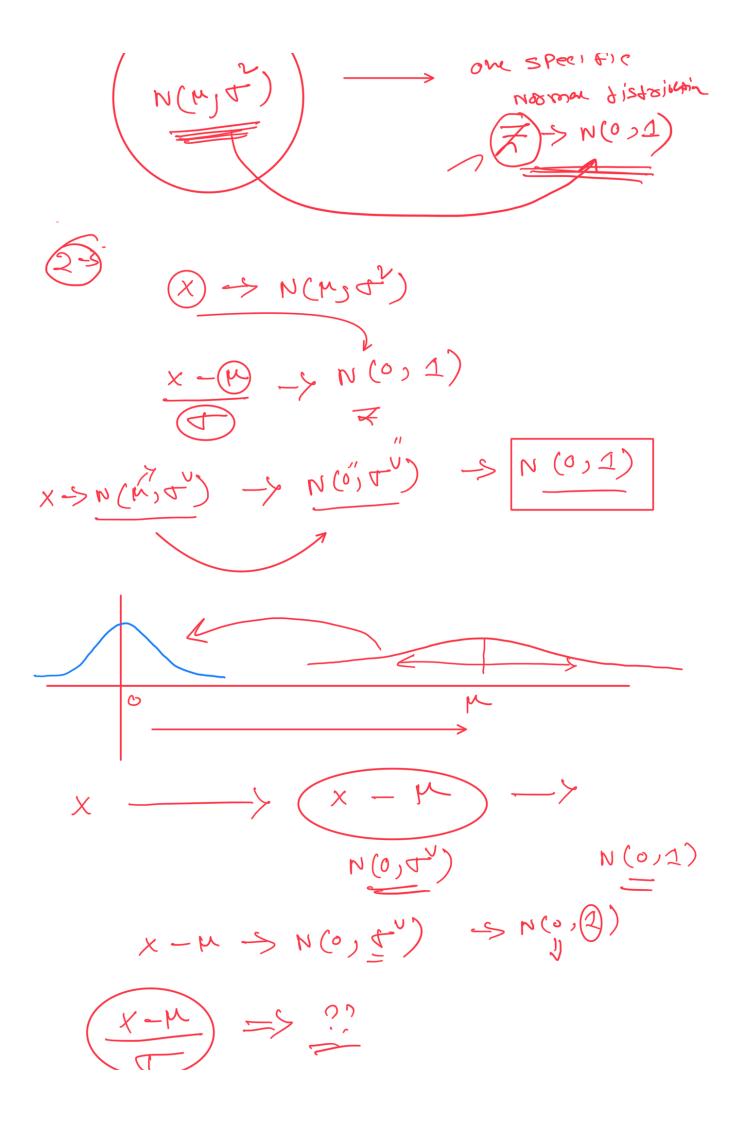
L1, 1.2, 1.1, )

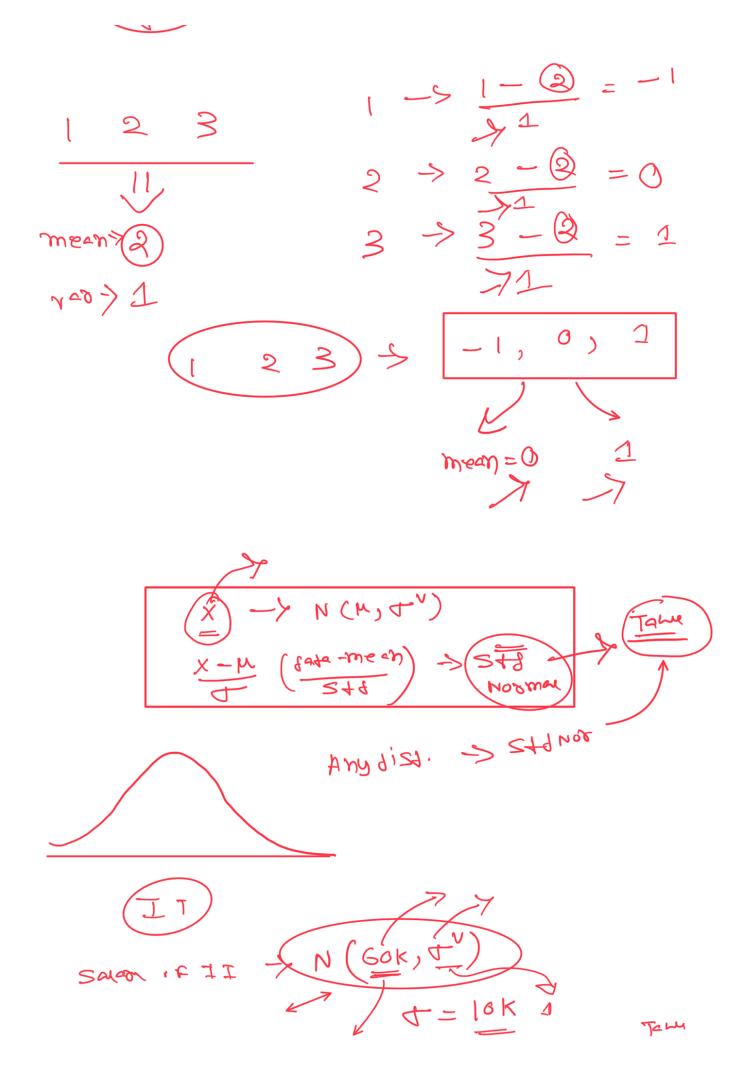
(1, 2.2, ...)

Should me 24xby our those Infinite Niorosin??

ALL POSS IM NOOMER DISABIONSIA

• - •





P(x > 90 K)



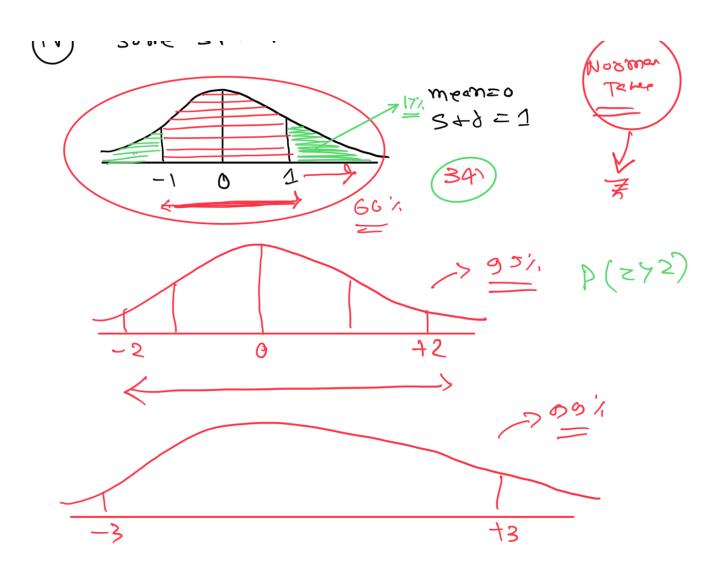
$$P\left(\frac{5}{2} > 1.2\right)$$

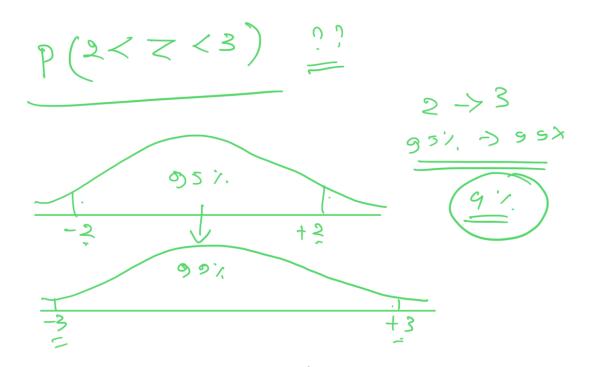
$$P\left(\frac{5}{2} > 1.2\right)$$

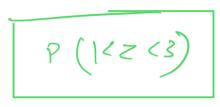
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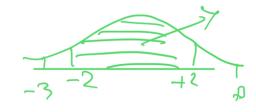
como checitic scobeagios ot 249 Nostura gizgaian







Testing of Norman din



## : Con Fidence Interval:

Any life I phon

Continuous anknown dete => 2.71 years

Single number

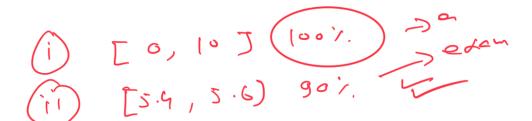
Jange

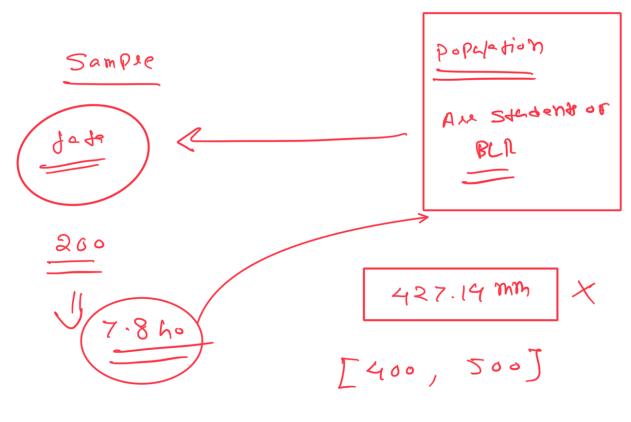
Confidenc Interval

*G* 

Avy ht Men
[0]
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[5.4 5.67

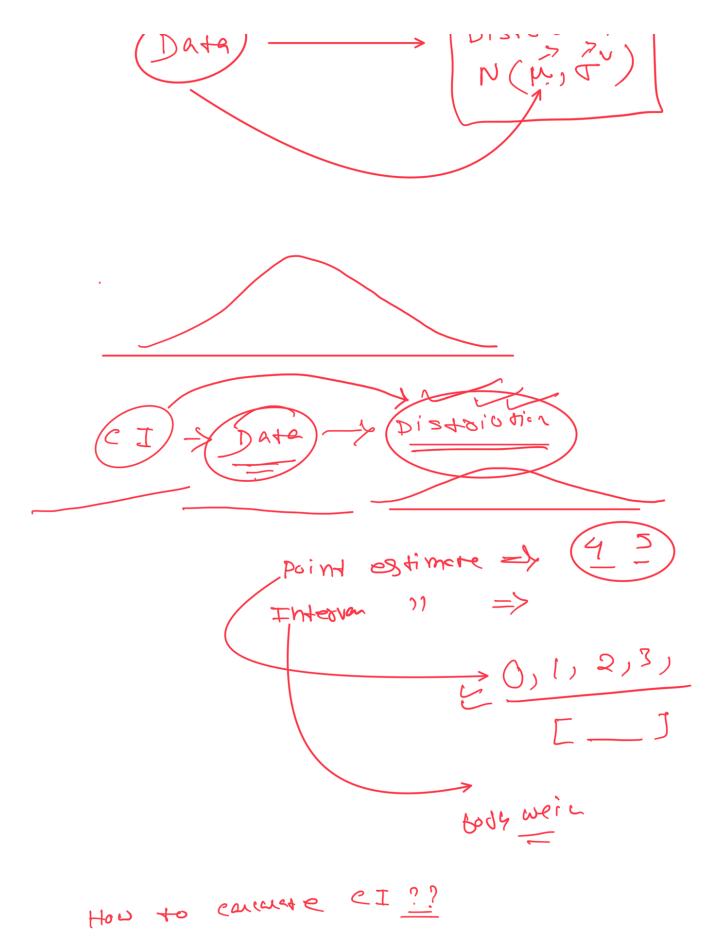
^ °





HOD 40 CONCOMATE CI 12 BRO PACINITAS;

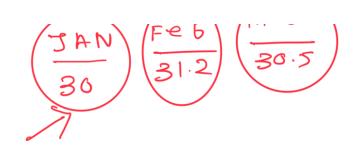
Uner con ) (31,28, 29, 27, 37,91,)



02% 00,1

$$\frac{2}{2} = \frac{2}{2} \times \frac{2}$$

Mad



Sample deta - population

2.613 5.613

HOW Dill we calculate the CI??

Sample

Do Pulation

 $\times^1 \longrightarrow N(h^1 4_{\Lambda})$ 

case 1 mx t

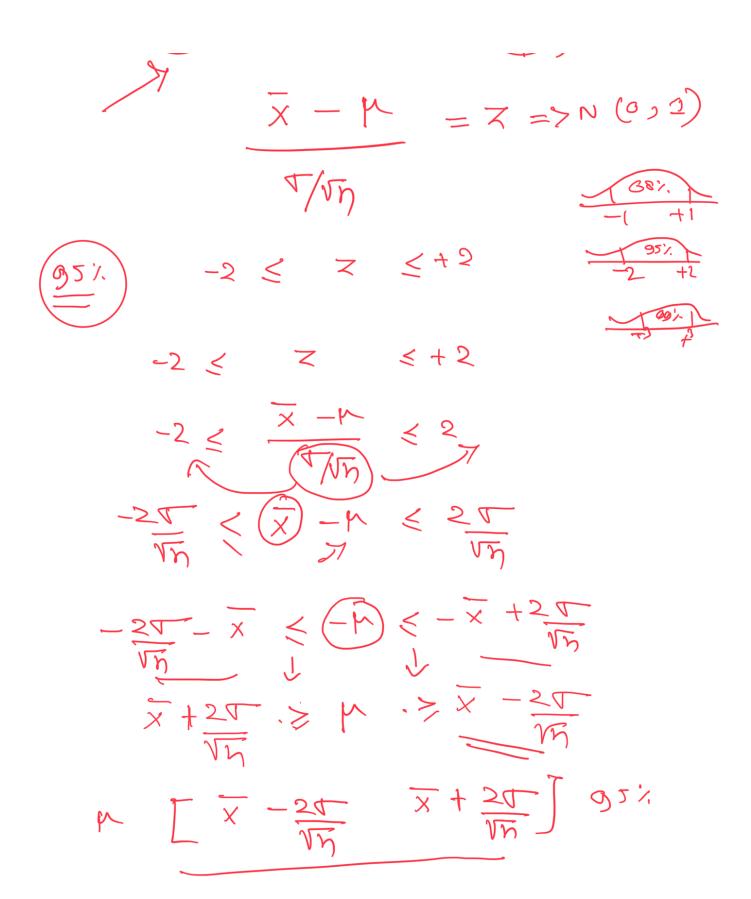
CBEFI MX TV X

cose 1

MX JVV

XI XN -> N (B) \$\frac{1}{2}\text{V} \text{Deom.}

$$\left(\frac{x}{-}\right) \longrightarrow N\left(\frac{x}{h}\right)\left(\frac{y}{h}\right)$$



$$\overline{\chi} = 32$$

Sample

- > cample mean

5 -> Sample HanSD (-

population meen 11 SD V-> 17 Vag

wetto energy gan

atr ( min or res

$$\begin{bmatrix} \frac{1}{x} - 2\sqrt{1} & \frac{1}{x} + 2\sqrt{1} \end{bmatrix}$$

The Khowh

Cotton known

Cotton known

$$\frac{(1-3)^{2}+(2-3)^{2}+(3-1)^{2}}{3-1}=\sqrt{1}$$

T 6 istoiumor