Physics 341 - Lecture II - Share screen - Assignment 2 - B - probability

Questran 8

$$N = 200$$
 $p = 0.10$

l'approximate"

Posson

Norwel

 $p < u_{sudish}$ p = 0.5 $N \rightarrow lange$ $\lambda = N \cdot p$ $\lambda = N \cdot p$ $\lambda = 1 \cdot p$

Binomial -> <u>Discrete</u>

O₁ 1₁ 2₁ ...

Cdf (30)

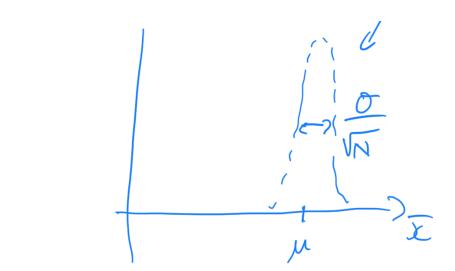
[0, ---, 30]

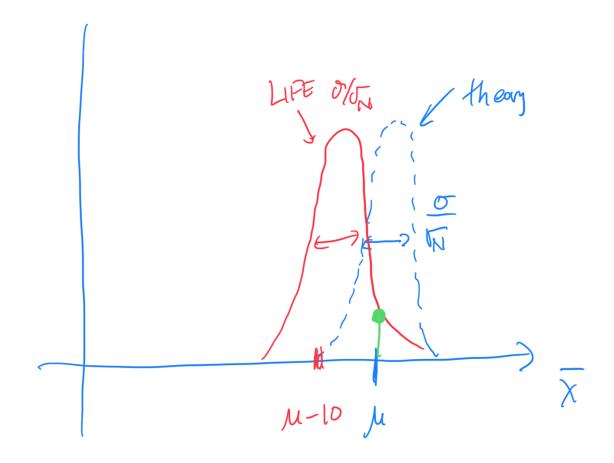
Posson / Normal - Countimors.

cdf (3)

Binamil Colf (30)

POI35UM Cdf (30,5) mean Uncertainty (2,00) No problem Unlucky < = 0.05 → 95% CL





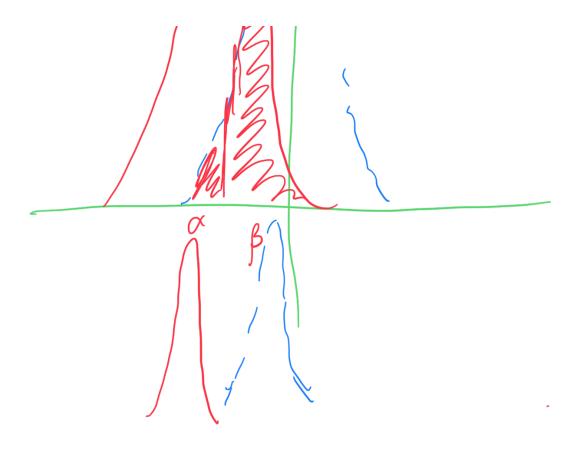
Zandol ? = -1.64_... ? [00) ? Z $2 = \frac{x - y}{5\sqrt{x}} = \frac{x - y}{5EM}$ 5E = le + 2.5EM 6 = le + 2.5EM 6 = le + 2.5EM

Zonha B

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. Where not on

(Xam HW we: no publer GOOD





O Was Assign

@ Just like HW

(3) 9:00 am - midnight