

---- Im ->m Sample Hear Tie v distribution of Sauple Mean Li = Savelling distribution  $\overline{\mathcal{L}} \longrightarrow N(\mathcal{U}, \frac{\vartheta^2}{n})$ 

random variable with finite et, 0-2 (Saufle Size = n) = Sampling dist. Of Sample  $\frac{1}{2i} \longrightarrow N(u, \frac{\partial}{n})$  as  $n \to \infty$  Any dist. X: -> Income U, 02 (Need not be S1, S2, S3, ----- Sm of Sauple Size = n M= 1000 1000 X 30 = 30K 23 - --- Im (Mean in each Variance of disp

CLT -> Statisticians -> to make inferences about population when do we have infinite Mean? Sauple Size lage like poseto Dispribution For those dist. CLT will not work.