11/15/23

M=22 years

$$r=3$$

(1) Rife exp

 $P(19 \le X \le 23) = 3 \frac{19-22}{3} = 3 - 1 = 315.86$ 

(2)

 $P(X = _) > 0$ 

P(X = \_) > 0

Promision

10°1.

Parameters

Parameters

Aprox

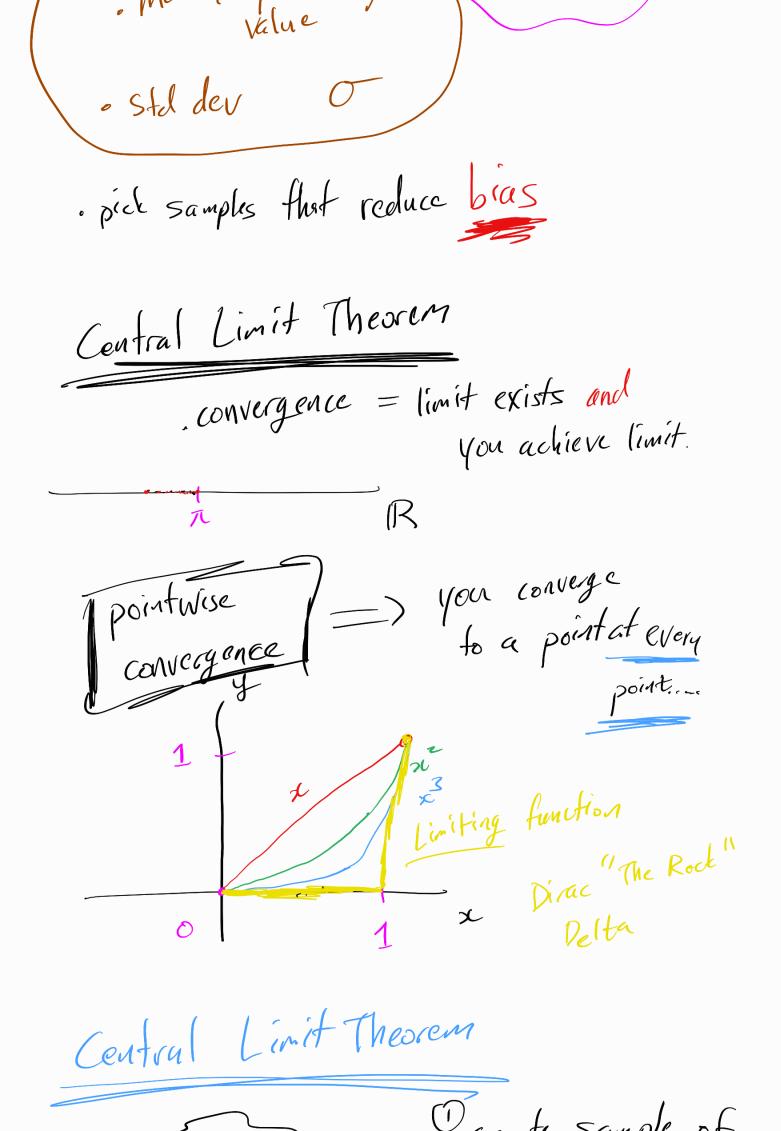
Farameters

Regardle stell

Sample stell

Sampl

Parameters /expected



(Population > Create sample size N Mean 2 compute sample mean (3) Repeat (steps 1 & 2 WI possible sample of size (4) collect all possible results. this will be a distribution (sampling distribution of sample means Sampling d'est. od sample means approx Normand Meny Il Course dist.

of sample dist meny) = 
$$\sqrt{N}$$

N = Sample Site

N =  $\sqrt{N}$ 

N =  $\sqrt{N}$ 

N =  $\sqrt{N}$ 

N =  $\sqrt{N}$ 

Site

 $\sqrt{N}$ 
 $\sqrt{N}$ 
 $\sqrt{N}$ 
 $\sqrt{N}$ 

Site

in sample... Prob (19 < life exp 2 23)

3/540

Sample Mean: X1, X2, ..., Xn L. R.V.  $X = \frac{1}{n} \left( X_1 + X_2 + \dots + X_n \right)$ Mis is a R.V. itself as result: for Fri X is unbiased estimator for sampling dest (for a statistic) all possible samples

of some size 2) measure the statistic

(3) throw results into data set.