## BOOT STRAP

STAT 432 Spring 2020 DALPIAZ DEDUCATION DISTRIBUTION

X, X, ..., X, ~ P(x | 0) RANDOM VARIABLES

 $\times$ ,  $\times$ ,  $\times$ ,  $\times$ ,

2.1, 1.3, - - - - 3.4

(PUTENTIAL) REALIZED VALUES

REALIZED VALUES

PARAMETER

OSE FOR INTERVAL

ESTIMATE

WHAT IF P(x 10) IS CHENOUN?

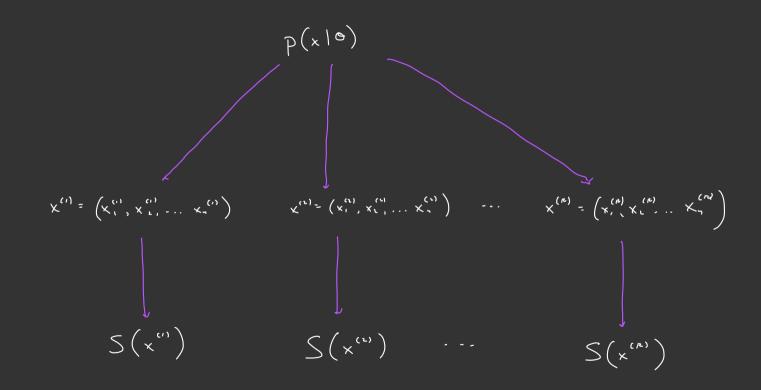
## BOOT STAP RESAMPLE

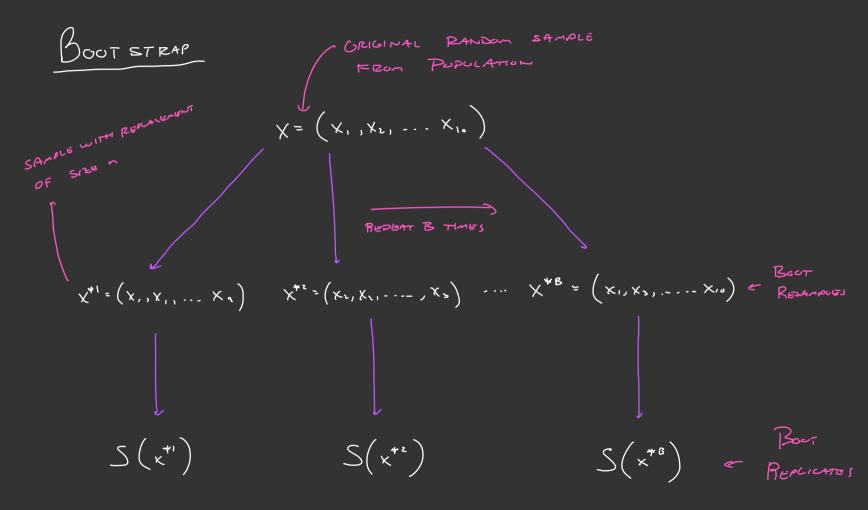
- · A SAMPLE OF SIZE A WITH REPLACEMENT FROM THE CRICINAL SAMPLE.
  - . SAME AS A RANDOM SAMPLY OF SIZE OF FROM EDF

## BOOTSTRAP REPLICATE

BOUT STRAP BESAMPLE

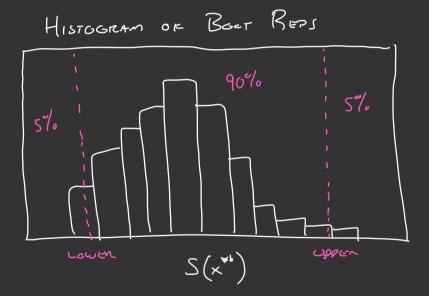
## SIMULATION





BOOT STRAP CONFIDENCE INTERVAL

(PERCENTING METHOD)



90% CI