

small sample!

doesn't matter

big sample:

with replacement

b) our sample is fixed

 $\int n=150$

$$\left[n = 150 \right]_{2} \rightarrow \hat{p}_{2}$$

eg ABC > CBB

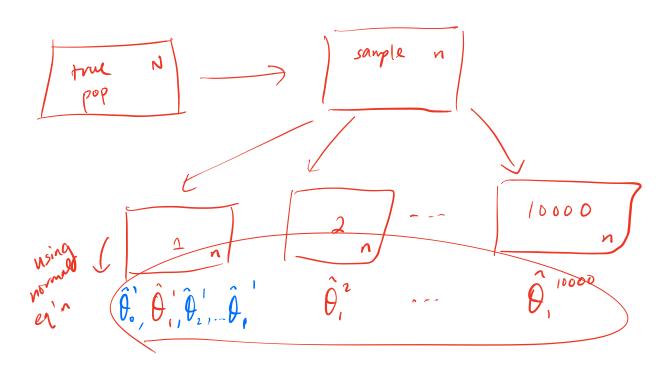
ABC -> ABC

c) take Pine Propos and look at middle 95% of values

left: 2.5 % ile right: 97.5% ile d) (2.3%, 4.7%) : 95% chance that the true proportion is in this true interpretation: if we repeat this process several times, 95% of the 95%, CIs 11 this precess?

collecting original le collection de collecting original le collection de co should contain the true p.

3.
$$E[y[\chi] = 0.+0, \chi$$



b)
$$f_{\theta}(x) = \theta_{0} + \theta_{1}x_{1} + \dots + \theta_{p}x_{p}$$

the tas = []

for $i = 1, \dots, 10000$:

bootstrap = sample with replacement (data, n)

theta hat = Linear Model. fit (bootstrap). get Gefficients

thetas. append (theta-hat)

957.
$$CI = \begin{cases} (2,5) \\ (-3,24) \end{cases}$$

