Section 5.4: The Hypergeometric Probability Distribution

Wednesday, May 22, 2013
12:15 PM

When can't you use the binomial distribution?

recall the rule:

$n < \frac{1}{20} N$ to approximate with binomial if without replacement

n: sample size

N: population size

why? because you need p to be more or less constant through trials to approximate with binomial

so use hypergeometric if $n \geq \frac{1}{20} N$