

# Section 5.1: Sampling Plans and

Monday, February 19, 2018

9:15 AM

# Experimental Design

we've studied probability distributions:

normal - need to know  $\mu$  and  $\sigma$

binomial - need to know  $n$  and  $p$

these parameters are numbers describing the entire population

but what if we can't or don't want to measure the entire population?

take a sample!

but how can we estimate the parameters of the population from the statistics of the sample?