Outline

1. Populations
   (a) Real finite examples
   (b) “Theoretical” infinite populations

2. Parameters
   (a) The population mean ($\mu$)
   (b) The population proportion ($p$)

3. Sample
   (a) Simple random samples
   (b) Repeating a random process

4. Statistics
   (a) $\bar{x}$
   (b) $\hat{p}$