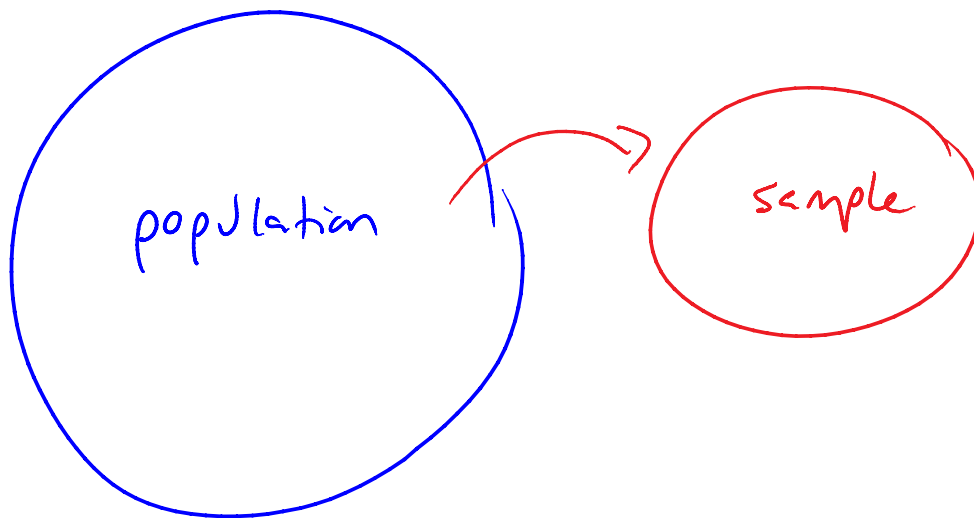


Section 1.1: Intro to statistics

Wednesday, May 06, 2015
2:53 PM

Statistics \equiv a branch of applied mathematics concerned with the collection and interpretation of data

\rightarrow idea of collecting data



population \equiv the entire set of measurements of interest

note: sometimes not possible or practical to collect data on the entire population

sample \equiv a subset of the set of measurements of interest

\Rightarrow must ensure as far as possible that your sample is representative

two types of statistics :

descriptive : procedures used to summarize the important characteristics of a set of measurements

inferential : procedures used to make inferences (draw conclusions) about population characteristics based on info from a sample