

Chapter 1

Logan | Nick

1.1 Populations, Samples, and Processes

Statistics provides methods for organizing and summarizing data and for drawing conclusions from that data

Def

Data : a collection of facts

Def

Population : A well defined collection of objects for which we wish to obtain info

Def

Census : When desired info is obtained from every member of the population

- problems : Time, money, practical

Def

Sample : A subset of the population

1.

You want the home price in Edwardsville

- Fewer well trained appraisers gives better results than many poorly trained

2. Tree Age Study

Testing is destructive, so a sample is better

Def

variable : any characteristic whose value may differ from one subject to another.

- denote with low letters **Note**
 - Don't say *McDonald's* = 10
 - Do say x = \$ the length of the tibia bone in 10 year old boys.