

# Chapter 1

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## 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

### Ex 1 :

You want the home price in Edwardsville

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