**11.8 Samples and Surveys**  
Objective: To identify sampling methods

To recognize bias in samples and surveys

**Population:** all the members of a set

**Sample:** a part of the population

**Convenience Sample:** select a member of the population who is readily available  
  
**Self-Selected Sample:** select only members of the population who volunteer for the sample  
  
**Systematic Sample:** order the population in some way and then select from it  
  
**Random Sample:** all members of the population are equally likely to be chosen  
  
**Bias:** a systematic error introduced by the sampling method

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