

## Chapter 1: Exploring Data

Individuals: objects/animals/people described by a data set

ex: Men and women on the Titanic  
Students in 4th AP Stats

Variable: characteristic of individual can be measured

ex: Survival, height, furthest from home  
gender

Categorical Variable: doesn't make sense to take an average

ex: gender, favorite color, etc...

Quantitative Variable: does make sense to take an average (numerical)

ex: height, weight, # of siblings, mpg

Distribution: what values the variable takes, and how often they occur

### 1.1 Categorical Variables

- bar graphs
- pie charts
- 2-way table
- Venn Diagram

	dead	alive	total
men			
women			
total			

