

 Statistics & probability

- ✓ **Mean:** $\bar{x} = \frac{\text{sum of data}}{\text{number of data points}}$
- ✓ **Median:** the middle value (or the average of the two middle values)
- ✓ **Mode:** the most frequent value
- ✓ **Range:** $\text{max} - \text{min}$
- ✓ **Probability:** $P(E) = \frac{\text{favorable outcomes}}{\text{total outcomes}}$
- ✓ **Independent events:** $P(A \text{ and } B) = P(A) \times P(B)$

 Data interpretation

- ✓ **Slope of a line:** $\frac{\text{rise}}{\text{run}}$
- ✓ Reading tables, bar graphs, and scatter plots: look for trends and compare proportions

 Other useful conversions

- ✓ 1 foot = 12 inches
- ✓ 1 yard = 3 feet
- ✓ 1 mile = 5,280 feet
- ✓ 1 pound = 16 ounces
- ✓ 1 gallon = 4 quarts = 8 pints = 16 cups