

**Quiz 1** will be the last hour of class. You can use any notes or books you want, as well as a calculator or excel on a computer.

We will cover all the material other than the normal distribution including:

- **Descriptive statistics**—ways of summarizing data to get big picture
  - Mean, median, mode, variance, standard deviation
- **Probability**—describing the likelihood of events and how multiple events are related
  - Joint probabilities
  - Conditional probabilities
  - Tricks for moving back and forth
- **Random variables**
  - Numerical values with attached probabilities
  - Cumulative probabilities (ranges of values)
  - Calculating means and standard deviations using values and probabilities