**Vocabulary:**

**Individuals** - The objects described by a set of data.
   ***Can be people, animals, or things.
   ***It is the WHO or the WHAT we are studying

**Variable** - Any characteristic of an individual.
   ***Can take different values for different individuals.
   ***Always check the *units* that a variable is being measured in.

---

**4 Questions to Ask Yourself when seeing NEW data...**

1. **WHO** or **WHAT** are the individuals being studied?
   2. How **MANY** individuals are there?
   3. **WHAT** are the variables?
   4. What **TYPE** is each variable?
2 Types of Variables

- **Categorical variable** - Places an individual into one of several groups or categories.
  ***Sometimes called "qualitative"
  Example: gender, job title, license plate, phone number

- **Quantitative variable** - Takes numerical values.
  ***Can use arithmetic operations or when averaging makes sense
  Example: test average, salary, gas mileage

Practice

pg. 5-6

Problems 1.1 - 1.4

Complete Sentences*