Math 21 – Pointers for Section 1.3

- **Random Sampling:** Process of using "chance" to select individuals to include in a sample. The basic idea is writing down each individual on a piece of paper, putting all of the pieces into a hat, and drawing individuals out randomly.
  You can ignore all of the material in the textbook that uses a table of random digits – we will use technology (StatCrunch) to generate random numbers.

- A sample is a **simple random sample (srs)** if every possible sample of size n has an equally likely chance of being selected.

- **Frame**: A list of all the individuals within the population. You must have a frame in order to select a simple random sample.

- **Sampling without replacement:** An individual who is selected cannot be selected again. (When a name is drawn from the hat, it is NOT put back into the hat.)
  Sampling with replacement: An individual who is selected CAN be selected again. (When a name is drawn from the hat, it is put back into the hat.)