

A group of students want to discover what is the favorite Mardi Gras parade for Ball High School. They decide to do a survey of 100 students at lunch.

What is the population and what is the sample?

↓
 Students at Ball H.S.
 The 100 students taking the survey.

Data

23 February
2017

- Random Sample – Samples chosen “at ~~random~~”
- Convenience sample – a sample that is ~~not representative~~ of the entire population

- Selection Bias – a sample that ~~excludes~~ certain segments of the population
- Non-responsive bias – sample that has a ~~low response rate~~

- Voluntary Response Sample (VRS) - A sample in which the subjects ~~choose~~ ~~themselves~~ by responding to a general appeal. These samples are ~~always biased~~ because subjects who ~~choose to respond~~ feel ~~very strongly~~, especially negative feelings, and are more likely to respond.

- **Simple Random Sample (SRS)** - A sample chosen **by chance**, so that every possible sample of the same size has an equal chance to be the one selected
- **Table of Random Digits** - a list of "random" numbers used to generate a random sampling

Chose 5 students from the following list to participate in a project. Use line 145 from the table of random digits.

- In ABC order*
- Vader, ~~Leia~~, Luke, Obi-Wan, R2-D2, ~~C-3PO~~, Rey, Chewbacca, Jabba, Lando, Jar Jar, Finn, Yoda, Padme
- | | | |
|--------------|------------|----------|
| 01 C-3PO | 06 Lando | 11 R2-D2 |
| 02 Chewbacca | 07 Leia | 12 Rey |
| 03 Finn | 08 Luke | 13 Vader |
| 04 Jabba | 09 Obi-Wan | 14 Yoda |
| 05 Jar Jar | 10 Padme | |