**Using Sampling Techniques in Class**

**Data Management**

**Unit 1 Line Master 1**

For each sampling technique:

* Ask a survey question that is relevant to students in your class.
* Have students consider whether the survey results are representative   
  of the whole class.
* Discuss the advantages and disadvantages of that sampling technique.
* Brainstorm other ways to collect data using the same sampling technique.

Some sample survey questions are:

* Do you get a good night’s sleep most weeknights?
* After high school graduation, do you think you will take some time off to travel or work, go to college or university, or you are not sure yet?

**How to Use Each Sampling Technique**

* **Convenience sample:** Ask five students in close proximity a survey question. Exaggerate the ease with which you are able to ask these students. Do not ask students who are not within whispering distance.
* **Volunteer sample:** Ask a survey question where students are given the choice to participate or not.
* **Simple random sample:** Select five students in a visibly random manner (e.g., drawing names from a hat or drawing popsicle sticks) and ask each one a survey question.
* **Systematic sample:** Instead of placing names in a hat, shuffle the names, lay them out in a line, and select every fifth name. Ask each of these students a survey question.
* **Stratified random sample:** Ask a question where students are arranged in groups (e.g., by age, hair colour, etc.). Place the names of all students in the first group in a hat. Repeat for each of the other groups. Then, randomly draw the same number of names from each hat.