**Yeas and Nays: Using Smartphones for Gathering Data**

# **Overview**

The overall aim of this activity is to help students learn new, efficient and flexible ways to collect a variety of datasets (qualitative, quantitative, statistical).

During this activity, students will be invited to create an online data-gathering tool using their preferred online platform (Kahoot, Quizziz, PollEverywhere, Google Form, etc.). They will then have to use their tool to gather data. They will be asked to vary the types of questions so as to learn how to gather and interpret different types of data. The general purpose of the activity is to allow students to experience different data gathering techniques through a variety of smartphone apps.

We are grateful to the Entente Canada-Quebec for funding this project.

**Instructional Objectives**

* To learn new and easier ways to gather different kinds of data
* Familiarize themselves with different data-gathering tools that are compatible with smartphones
* Learn about privacy concerns and the importance of participant consent

# **Benefits**

* The students practice their skills in teamwork and become acquainted with different apps and technology
* They become more familiar with current world issues and/or complex problems of interest to them (how to reduce traffic jams in Montreal, how to stop the destruction of the Amazon Forest, how to find an eco-friendly alternative to plastic, etc.)

# **Challenges**

* The students find data-gathering more engaging and less time-consuming when carried out using technology, especially on smartphones

# **Tips**

* Ensure that students are aware of the privacy concerns that participants may have
* Allow for class time for students to learn to use the data-gathering tool and ensure that it is usable with their smartphone

