Proposal: Group 1

Target Population:
The target population we are interested in is students that attend UTM.

Proportion of Estimation:
As it is rather difficult to reach and survey all subjects in our population, our goal is to gather a minimum of 30 participants from both lecture sections (in total) to represent the population.

Sampling Frame:
The sampling frame for our research will include all students taking STA304 in the fall semester of 2019. In addition, this will only include those students who have signed Appendix B (consent form). We will access our sampling frame via UToronto email where we will provide a link to our questionnaire and kindly ask the subject to complete.

Sampling Size:
Our goal for our sample size is to have a minimum of 30 participants. As we are not allowed to survey any students outside of STA304, we will use subjects in the sample as a representation of the population.

Sampling Method:
The sampling method used in this project with be Cluster Random Sampling. The population, UTM students is divided into a cluster, that is STA304 students and subjects within the sampling frame will have an equal chance of participating. By emailing all students in STA304 that have signed Appendix B, we are ensuring that all units within the sampled cluster are being chosen.

Data Collection Methodology:
The data will be collected by using a questionnaire. It will be administered to all students who signed Appendix B. The questionnaire will be the primary source of data. It consists of two to three questions that are very easy to answer (as they are Multiple Choice), and straightforward due to ordering of questions and available ranges/options. Reasons for choosing to use a Google forms survey include ease, as it is user friendly and widely used. The Google form also allows us (Survey conductors) to easily analyze data as the form features built in data analysis such as graphs that can be easily exported into an Excel spreadsheet. These reasons make data collection easy and less tedious for us survey conductors and the students/elements.

Questionnaire:

How do you travel to UTM on a regular basis? *

- ◯ A. Drive independently
- ◯ B. Carpool
- ◯ C. Public transportation (i.e.bus, subway, train)
- ◯ D. Non-motorized transport (i.e. walking, biking)
- ◯ E. UTM Shuttle
- ◯ F. A combination of the options listed above
- ◯ Other: _____

If you have answered F on question 1 please specify which means of transportation you use.

Your answer

If you have answered Other on question 1 please specify which means of transportation you use.

Your answer

How far do you travel from to get to UTM? *

- ◯ Less than 10 kms
- ◯ Between 10 and 25 kms
- ◯ Between 26 and 30 kms
- ◯ Between 31 and 40 kms
- ◯ Between 41 and 50 kms
- ◯ Over 50kms

https://docs.google.com/forms/d/e/1FAIpQLSeYDhnbm2rIWmRfohViXJX8_116Wxnh9NdGaWdf0abYpvoADQ/viewform