

Monthly Canadian Election Poll

Cesar Y. Villarreal Guzman

03/10/2020

Executive Summary

In this experiment we conduct a simulation based study on a survey which aims to quantify the impact of the second wave of the COVID-19 pandemic on the political views of Canadian's.

Introduction

Survey Methodology

The objective of the survey is to analyze the impact of the incoming COVID-19 second wave on Canada's population political views.

The population to be sampled will be the Canadian population. Provided access to a list of addresses and corresponding emails which will be used as a frame for this experiment, we generate \mathbf{S}_h by stratified simple random sampling (SRSWOR).

Table 1: Stratum Sizes and Weights

Province	Stratum Weight	Stratum Sample Size
Newfoundland and Labrador	0.014	138
Prince Edward Island	0.004	43
Nova Scotia	0.026	258
New Brunswick	0.021	206
Quebec	0.226	2255
Ontario	0.388	3874
Manitoba	0.036	363
Saskatchewan	0.031	311
Alberta	0.116	1162
British Columbia	0.135	1355
Yukon	0.001	12
Northwest Territories	0.001	12
Nunavut	0.001	11

We seek a 95% confidence accuracy in this study.

Results and Discussion

References

Apendix