

Building a Predictive Voting Model Through Analysis of Canadian Election and Census Data

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Group 01:

Canadian census data is a wealth of information providing crucial insight into everyday Canadians' characteristics. It has many opportunities to be mined to find and associate attributes of the population in interesting ways. Our group decided to use census data¹ in tandem with Canadian election data² to find correlations between population characteristics, then use these correlations to create a predictive model of how these demographics vote. We are pursuing decision trees as our primary tool to analyze the data and find association rules.

¹<https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/index-eng.cfm>

² <https://www.elections.ca/content.aspx?section=res&dir=rep/off/44gedata&document=bypro&lang=e>