
Proposal: Calgary Election Data 2015-2019

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Abstract

Election data for Calgary, Alberta for 2015-2019 is collected from government open data sources and analyzed with unsupervised learning. Geographic correlation through census 'dissemination blocks'.

1 Data Sources

Results are available for municipal, provincial, and federal elections.

1.1 Municipal

2013 Election results and geography

2017 Election results and geography

<https://data.calgary.ca/Government/2017-Election-Results-by-Voting-Station/g66w-ixv9> <https://www.calgary.ca/citycouncil/ward-10/Documents/News-articles/2017-ward-boundaries.pdf>

Turnout by voting station https://www.calgary.ca/election/Documents/2017ElectionStats/Voter_Turnout-2017-VSD.pdf

1.2 Provincial

2015 Election results and geography

<https://open.alberta.ca/opendata/2015-general-election-results>

2019 Election results and geography

<https://open.alberta.ca/opendata/2019-alberta-provincial-electoral-divisions>

1.3 Federal

2015 Election results and geography

<https://www.elections.ca/content.aspx?section=ele&document=index&dir=pas/42ge&lang=e> <https://www.elections.ca/content.aspx?section=res&dir=rep/off/42gedata&document=index&lang=e>

2019 Election results and geography

<https://www.elections.ca/content.aspx?section=ele&document=index&dir=pas/43ge&lang=e> <https://www.elections.ca/content.aspx?section=res&dir=rep/off/43gedata&document=index&lang=e>

1.4 Geography

Canada Census geographical data is broken down into 'Dissemination Blocks'. To geographically correlate the different electoral district definitions, I will attempt to project the geography of municipal, provincial, and federal electoral districts into dissemination blocks.

See <https://www12.statcan.gc.ca/census-recensement/2016/ref/dict/geo014-eng.cfm>