

Project Proposal

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Tutorial Number: 03-P1 – Monday 8-10AM

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Project Title: Predictors of Australian Election Results

Research Questions: Three research questions have been established for the proposed project. They are as follows:

1. How were Australia's national election results distributed in 2019 on a two party preferred basis?
2. How were Australia's national demographic statistics distributed in 2019 for each electorate?
3. Is there any interaction or explanatory power between demographic statistics and election results in Australia?

Data Sources: To appropriately address the proposed questions, the following data sources will be utilised:

- a) National Two-Party Preferred (TPP) results for 2019 which have been collected and archived by the Australian Electoral Commission. Used to answer Question 1 & 3.
- b) Boundaries for each Australian electorate as at 2019 provided by the Australian Electoral Commission. Used for mapping purposes in both Question 1 & 2.
- c) Commonwealth Electorate Data for each Australian electorate as at 2017 (released March 2019) provided by the Australian Bureau of Statistics. Used to answer Question 2 & Question 3.

Data Description: The above data sources have the following properties:

- a) Tabular data: CSV file containing 151 rows & 10 columns providing counts for both major parties in each electorate in Australia. Downloaded from:
<https://results.aec.gov.au/24310/Website/HouseDefault-24310.htm>
- b) Spatial data: Shapefile containing coordinates for electorate boundaries in Australia for the 2019 election. Downloaded from:
https://www.aec.gov.au/Electorates/gis/gis_datadownload.htm
- c) Tabular data: Excel file containing 8 separate data tables. Each table has 151 rows corresponding to each electorate and columns ranging from 1-10 variables. Downloaded from:
<https://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/2082.02019?OpenDocument#Data>