

# Canadian Election Study 2019 Dictionary Coding Dataset Codebook

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All use of the 2019 Canadian Election Study data must be appropriately referenced and Credited. The correct citation is: Stephenson, Laura B; Harell, Allison; Rubenson, Daniel; Loewen, Peter John, 2020, "2019 Canadian Election Study (CES) - Online Survey", <https://doi.org/10.7910/DVN/DUS88V>, Harvard Dataverse, V1

## Intro

In the CES 19 respondents were asked “What is the most important issue to **you personally** in this federal election?” (**cps19\_imp\_iss**). This question was open ended and allowed respondents to write in their answers. Respondents’ answers to **cps19\_imp\_iss** were placed into broader categories, such as issues relating to the economy, using a dictionary-based method for categorizing written free responses. The results were output in the dataset “CES19\_dictionarycoding\_public\_release\_final.dta”. Also available is a PDF, “[Categorizing Written Responses with a Dictionary Approach](#)<sup>1</sup>” which contains a detailed explanation of the dictionary approach that was used and the R code that was used.

## CES 19 Dictionary Coding Dataset

**cps19\_ResponseId** Unique identification code for each response. The dictionary dataset can be merged into the CES dataset (“2019 Canadian Election Study - Online Survey v1.0.dta”) matching on **cps19\_ResponseId**.

**economy** Counts the number of “hits” from the “economy dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**. The dictionary for each category can be found in the PDF “Categorizing Written Responses with a Dictionary Approach”.

**economydum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “economy dictionary”. 1 indicates that the response has at least one hit that matches the “economy dictionary”. 0 indicates no matches.

**enviro** Counts the number of “hits” from the “Enviro dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**envirodum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Enviro dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Enviro dictionary”. 0 indicates no matches.

**immigration** Counts the number of “hits” from the “Immigration dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**immigrationdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Immigration dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Immigration dictionary”. 0 indicates no matches.

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<sup>1</sup> The correct citation for the PDF and code is: Maxime St. Jean. 2023. Categorizing Written Responses with a Dictionary Approach. C-Dem Report #2023-04-11.

**healthcare** Counts the number of “hits” from the “Healthcare dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**healthcaredum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Healthcare dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Healthcare dictionary”. 0 indicates no matches.

**housing** Counts the number of “hits” from the “Housing dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**housingdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Housing dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Housing dictionary”. 0 indicates no matches.

**seniors** Counts the number of “hits” from the “seniors dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**seniorsdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “seniors dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “seniors dictionary”. 0 indicates no matches.

**leaders** Counts the number of “hits” from the “leaders dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**leadersdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “leaders dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “leaders dictionary”. 0 indicates no matches.

**ethics** Counts the number of “hits” from the “ethics dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**ethicsdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “ethics dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “ethics dictionary”. 0 indicates no matches.

**education** Counts the number of “hits” from the “education dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**educationdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “education dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “education dictionary”. 0 indicates no matches.

**crime** Counts the number of “hits” from the “crime and guns dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**crimedum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “crime and guns dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “crime and guns dictionary”. 0 indicates no matches.

**indigenous** Counts the number of “hits” from the “Indigenous dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**indigenoudum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Indigenous dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Indigenous dictionary”. 0 indicates no matches.

**welfare** Counts the number of “hits” from the “other welfare dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**welfaredum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “other welfare dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “other welfare dictionary”. 0 indicates no matches.

**election** Counts the number of “hits” from the “electoral reform dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**electiondum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “electoral reform dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “electoral reform dictionary”. 0 indicates no matches.

**women** Counts the number of “hits” from the “women’s issues and abortion dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**womendum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “women’s issues and abortion dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “women’s issues and abortion dictionary”. 0 indicates no matches.

**security** Counts the number of “hits” from the “Security/defense and IR dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**securitydum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Security/defense and IR dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Security/defense and IR dictionary”. 0 indicates no matches.

**quebec** Counts the number of “hits” from the “Quebec and Law 21 dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**quebecdum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “Quebec and Law 21 dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “Quebec and Law 21 dictionary”. 0 indicates no matches.

**race** Counts the number of “hits” from the “race dictionary” that appeared in the respondent’s answer to **cps19\_imp\_iss**.

**racedum** Binary variable that flags if the response to **cps19\_imp\_iss** has any matches to the “race dictionary”. 1 indicates that the response to **cps19\_imp\_iss** has at least one hit that matches the “race dictionary”. 0 indicates no matches.

**immindracedum** Binary variable that collapses ‘immigrationdum’, ‘indigenouseum’, and ‘racedum’. If any of those columns have a 1, a 1 is recorded, otherwise a 0.

**ethleadelecum** Binary variable that collapses ‘ethicsdum’, ‘leadersdum’, and ‘electiondum’. If any of those columns have a 1, a 1 is recorded, otherwise a 0.

**otherwelfareum** Binary variable that collapses ‘housingdum’, ‘welfareum’, and ‘seniorsdum’. If any of those columns have a 1, a 1 is recorded, otherwise a 0.

**complete\_cat\_count** Records the number of categories that have at least one hit to their relevant dictionaries (the sum by row of all the dictionary variables ending in ‘dum’). NOTE: the variables above (immindracedum, ethleadelecum, otherwelfareum) are included, but the variables they collapse are excluded. This was done to avoid double-counting.

**number\_of\_cats** The same as ‘complete\_cat\_count’ above, except excludes ‘womendum’ and ‘quebecdum’.

**Multcat** Binary variable that records a 1 if number\_of\_cats is greater than 1, and 0 otherwise.