

EPPS 6323: Knowledge Mining

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The Purpose of Research

- ❑ International City/County Management Association (ICMA)'s Municipal Form of Government survey has been conducted **nine** times since **1974** and is the most comprehensive resource available on form of government, mayoral powers, and other data on local government structure in the United States.
- ❑ The most recent survey was conducted in 2018. Based upon the responses, the council-manager and the mayor-council are the top two forms of government, accounting for 86.4% of the total five forms of government.
- ❑ Based on the responses, we would like to explore if we can find any correlation between those feedback data.

Research Question and Hypotheses

Question 1: What factors drive the establishment of forms of government?

Question 2: How the form of government impact the structure of local government ?

- H1: The choice of city government form is influenced by a city's size and complexity
- H2: Cities that use the council-manager form of government will have more stable and efficient city administrations than cities that use the mayor-council form
- H3: Mayor-council form of government is more like to have appointed chief appointed official (CAO) than other forms of government.
- H4: Chief elected officer (CEO) have more power than chief appointed official (CAO)

Data Collection

Data

The 2018 edition of ICMA's Municipal Form of Government Survey was distributed by mail to the clerks of all 12,761 municipal governments in ICMA's database. The survey was returned by 4,109 respondents for a 32.2% response rate

Population/Sample

Survey Population	Surveyed	Responded	Response Rate
Total	12,761	4,115	32.2%
Census Population	Surveyed	Responded	Response Rate
Over 1,000,000	9	3	33.3%
500,000 - 1,000,000	26	7	26.9%
250,000 - 499,999	44	10	22.7%
100,000 - 249,999	235	81	34.5%
50,000 - 99,999	549	192	35.0%
25,000 - 49,999	1,028	377	36.7%
10,000 - 24,999	2,332	771	33.1%
5,000 - 9,999	2,750	823	29.9%
2,500 - 4,999	3,963	1,112	28.1%
Under 2,500	1,825	739	40.5%

Variables

Independent Variables (IVs) for this study include, but not limited:

- Demographic data
- Forms of government
- Government official data
- Other data pertaining to the structure of local government

Dependent Variable for this study is:

- Forms of government
- Local government officials

Analysis

- Descriptive Analysis
- Linear regression Model
- Logistic Regression Model
- Data Visualization

Questions?

