# Synthetic Democracy Survey Codebook

## Survey Questions

1. **What is your age?**

* **Variable:** Age
* **Type:** Numeric (Continuous)
* **Details:** Represents the respondent's age in years, which can take any value within a range (e.g., 18 to 79).

1. **What is your gender?**

* **Variable:** Gender
* **Type:** Categorical (Nominal)
* **Details:** Represents categories (e.g., Male, Female) without a natural order.

1. **What is the highest level of education you have completed?**

* **Variable:** Education\_Level
* **Type:** Categorical (Ordinal)
* **Details:** Categories are ranked (e.g., High School < Bachelor's < Master's < PhD), but intervals between categories are not equal.

1. **What is your approximate annual income?**

* **Variable:** Income\_Level
* **Type:** Categorical (Nominal or Ordinal, depending on interpretation)
* **Details:** If treated nominally, categories (Low, Middle, High) are unordered. If treated ordinally, categories are ranked by income level.

1. **On a scale of 1 to 10, how important is it for you to live in a democracy?**

* **Variable:** Democracy\_Rating
* **Type:** Ordinal (or Numeric if treated as continuous)
* **Details:** Ordinal scale where higher numbers represent greater importance, but intervals may not be equal. Can be treated as continuous for statistical analysis if justified.

6. **On a scale of 1 to 5, how much do you trust your government to act in your best interest?**

* **Variable:** Trust\_in\_Government
* **Type:** Ordinal
* **Details:** Ordinal scale representing levels of trust, with higher numbers indicating greater trust, but intervals may not be equal.

7. **Did you vote in the last national election?**

* **Variable:** Voted\_Last\_Election
* **Type:** Binary
* **Details:** Represents two categories (Yes or No). Can be used in logistic regression or Chi-Square tests.

8. **Based on a quiz, what is your political knowledge score (0-10)?**

* **Variable:** Political\_Knowledge
* **Type:** Numeric (Discrete)
* **Details:** A score reflecting political awareness, represented as whole numbers (e.g., 0, 1, 2). Suitable for descriptive and inferential statistics.

9. **How often do you consume political news?**

* **Variable:** Media\_Consumption
* **Type:** Categorical (Nominal)
* **Details:** Categories (Daily, Weekly, Rarely, Never) are unordered and represent frequency of engagement.

10. **On a scale of 1 to 5, how much do you support initiatives to reduce social inequality?**

* **Variable:** Social\_Equality\_Support
* **Type:** Ordinal
* **Details:** Ordinal scale representing levels of support, with higher values indicating stronger support, but intervals may not be equal.

## Codebook

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| --- | --- | --- | --- |
| Variable | Type | Question | Description |
| Age | Numeric | What is your age? | Respondent's age in years. |
| Gender | Categorical | What is your gender? | Gender of the respondent (Male, Female). |
| Education\_Level | Categorical | What is the highest level of education you have completed? | Highest educational attainment (High School, Bachelor's, Master's, PhD). |
| Income\_Level | Categorical | What is your approximate annual income? | Income level categorized as Low, Middle, or High. |
| Democracy\_Rating | Ordinal | On a scale of 1 to 10, how important is it for you to live in a democracy? | Respondent's rating of democracy importance on a scale of 1 (not important) to 10 (very important). |
| Trust\_in\_Government | Ordinal | On a scale of 1 to 5, how much do you trust your government to act in your best interest? | Level of trust in government, 1 being no trust and 5 being full trust. |
| Voted\_Last\_Election | Binary | Did you vote in the last national election? | Yes or No response indicating if the respondent participated in the last national election. |
| Political\_Knowledge | Numeric | Based on a quiz, what is your political knowledge score (0-10)? | A score (0 to 10) assessing the respondent's knowledge of political systems. |
| Media\_Consumption | Categorical | How often do you consume political news? | Frequency of political news consumption (Daily, Weekly, Rarely, Never). |
| Social\_Equality\_Support | Ordinal | On a scale of 1 to 5, how much do you support initiatives to reduce social inequality? | Level of support for social equality initiatives, 1 being not at all supportive and 5 being highly supportive. |

**RECAP: Variable Types, Examples and applicable methodology**

| **Variable Type** | **Definition** | **Examples** | **Key Analysis Methods** |
| --- | --- | --- | --- |
| **Numeric (Continuous)** | Represents measurable quantities with equal intervals and no fixed categories. | Age, Political Knowledge | Descriptive statistics (mean, median, standard deviation), scatterplots, correlation, regression, ANOVA. |
| **Numeric (Discrete)** | Represents numeric values with fixed intervals, usually integers. | Trust in Government (1-5), Social Equality Support (1-5) | Boxplots, histograms, group comparisons, regression, ANOVA (if treated as interval). |
| **Categorical (Nominal)** | Represents categories without a natural order. | Gender (Male/Female), Income Level (Low/Middle/High) | Frequencies, bar plots, Chi-Square tests. |
| **Categorical (Ordinal)** | Represents categories with a meaningful order but unequal intervals. | Education Level (High School to PhD), Democracy Rating (1-10) | Kruskal-Wallis test, Mann-Whitney U, bar plots, ANOVA (if treated as interval), non-parametric comparisons. |
| **Binary** | A special case of nominal variables with only two categories. | Voted Last Election (Yes/No), Gender (if binary) | Proportions, logistic regression, Chi-Square tests. |