Measures from the originally conducted survey were selected for the purposes of this project, with the understanding that the script could grow to accommodate more questions over time, ideally. Questions from the survey fall into the following categories some of which needs to be transformed, re-scaled to be useful in future analysis:

* Nominal → Unique identifiers & write-in responses (unchanged)
* Ordinal → Ordered responses without a “true zero” (some transformed)
* Categorical → Responses with no order (unchanged)
* Scale → Continuous numerical values (re-scaled)
* Data Points → Context-specific values (unchanged)

| **Question/ Survey Measure** | **Data Type** | **Description/ Notes/ Transformations** |
| --- | --- | --- |
| **Respondent ID** | Nominal | A 4 digit ID, ranging between **1447** and **2939** aor AZ, but not all values are taken, if the person failed a qualification measure or attention check at some point in the survey.  **Examples:**   * 1544 * 1993 * 2393 |
| **Respondent Zip Code** | Data Point | Respondents were asked to provide a Zip-Code, non-AZ zip codes would have been removed through the screening process. Respondents who chose not to provide a zip code have a value of **0**  **Examples:**   * 85706 * 85324 * 0 (Respondent provided no zip code) |
| **Urban or Rural?** | Categorical | * Urban (0) * Rural (1) |
| **Age** | Scale | Respondents were required to be over **18** to participate in the survey, the oldest respondent in the AZ population was **88**. |
| **Gender** | Categorical | * Male * Female * Other |
| **Ethnicity** | Categorical | * White/ Caucasian * Black/ African American * Hispanic * Native American * Asian * Other |
| **Income** | Ordinal | * Less than 20k (1) * 20- 30k (2) * 30- 35k (3) * 35- 50k (4) * 50- 60k (5) * 60- 75k (6) * 75- 100k (7) * 100- 150k (8) * 150- 200k (9) * More than 200k (10) |
| **Education** | Ordinal | * (Still) without educational qualifications (0) * Middle School (1) * High School (2) * Some College, no degree (3) * Associate’s Degree (4) * Bachelor’s Degree (5) * Postgraduate Degree (6) |
| **Household Size** | Scale/ Ordinal | * None (other than myself) (1) * 1 (2) * 2 (3) * 3 (4) * 4 (5) * 5 or more (6) |
| **Marital** | Categorical | * Single * Married * Separated * Widowed |
| **Employment (Simple)** | Categorical | * Unemployed * Employed Part-time * Employed Full-time * Retired |
| **Elections are Fair and Reliable** | Ordinal | * No, not at all true (0) * No, rather not true (1) * Yes, rather true (2) * Yes, completely true (3) |
| **Last Election (2022) I voted…** | Categorical | * Voted Democrat * Voted Republican * Did not vote |
| **Democracy Means** | Categorical | * That the people elect the respective head of state in free elections * That I have to bow to the majority opinion whether I agree or not * That there is no great gap between rich and poor * That I can determine directly/by myself what happens in my country * That there is a well-functioning social system |
| **Preferred System** | Categorical | * Democracy * Autocracy * Neither |
| **Current System** | Categorical | * Democracy * Autocracy |
| **Crisis (Write-Ins)**   * Primary * Secondary * Third | Nominal | We can use these as they are, although there are some confusing grammar and intended meanings. A colleague categorized them, which we coulde add as a separate column, I would just have to find the files with them re-categorized. |
| **Crisis (Categories)**   * Economic Instability * Energy * Climate Change * Lack of Nat. Resources * Military * Interstate (Domestic) Conflicts * Employment/ Livelihood * Infectious Disease * Artificial Intelligence * Cybersecurity * ADDED: Composite Crisis Score | Ordinal | * No Impact (0) * Low Impact (1) * Medium Impact (2) * High Impact (3)   Composite Crisis Score calculated by adding respondent scores. These scores do not need to be Min-Maxed because there is only 1 column of composite data to evaluate. |
| **Composite Scores**   * Systems Thinking * Interpersonal Trust * Vulnerability to Conspiracy Thinking * Complexity Understanding | Scale | 4 composite scores, each based on a set of multiple questions. Slight variations in scale ranges and implications are below:   * **Systems Thinking:**   + Low: 0   + High: 36 * **Interpersonal Trust:**   + **Low: 1**   + **High: 5** * **Vulnerability to Conspiracy Thinking:**   + Low: 5   + High: 20 * **Complexity Understanding:**   + Low: 5   + High: 20 |
| **Big5 Personality Traits**   * Openness * Conscientiousness * Extraversion * Agreeableness * Neuroticism | Scale | Scores for Big5 Personality Traits are based on a series of measures addressing each trait.   * **Openness:**   + Low: 3   + High: 21 * **Conscientiousness:**   + Low: 3   + High: 21 * **Extraversion:**   + Low: 3   + High: 21 * **Agreeableness:**   + Low: 3   + High: 21 * **Neuroticism:**   + Low: 3   + High: 21 |

**Extension Idea:**

It would be cool if we could create a **function** that could create a *poverty indicator* based on **Number of people in Household** and **Household Income**.

Based on: [2023 Poverty Guidelines: 48 Contiguous States (all states except Alaska and Hawaii)](https://aspe.hhs.gov/sites/default/files/documents/1c92a9207f3ed5915ca020d58fe77696/detailed-guidelines-2023.pdf)