Sensitivity Bias in the Attitudes towards Lowering the Voting Age
Replication File

The repository for this project contains two datasets and two R scripts.

Datasets:

1. The data from Study 1 are contained in data2020.csv.
2. The data from Study 2 are contained in data2024.csv.

R Code:

1. Replication_main.R contains the code to reproduce the results in the main text.
2. Replication_appendix.R contains the code to reproduce the results in the appendix.

Please install the following four R packages for the replication of our results:

- tidyverse (ver.2.0.0)
- patchwork (ver.1.2.0)
- list (ver. 9.2.6)
- broom (ver.1.0.5)

Codebook for data2020.csv:

- Start Date: Response start time.
- End Date: Response end time.
- Consent: Consent to the survey, where 1 indicates agreement and 2 indicates disagreement.
- Edu: Final education level, where 1 indicates junior high school, 2 indicates high school, 3 indicates technical school, junior college, or vocational school, and 4 indicates university or graduate school.
- DQ: Direct question, where 0 indicates that 18-year-olds should be given the right to vote, 1 indicates that they should not.
- List1_agree: Number of agreements to items in the control group.
- List1_disagree: Number of disagreements to items in the control group.
- List2_agree: Number of agreements to items in the experimental group.
- List2_disagree: Number of disagreements to items in the experimental group.
- deb: Debriefing and final consent to provide response data, where 1 indicates agreement and 2 indicates disagreement.

- p: Demographic; the first two characters of the six-character number are gender codes, with 10 indicating male and 20 indicating female. The middle characters represent age. This format is unique to the data provided by the research company (Rakuten Insight).

Codebook for data2024.csv:

- Start Date: Response start time.
- End Date: Response end time.
- Consent: Consent to the survey, where 1 indicates agreement and 2 indicates disagreement.
- Edu: Final education level, where 1 indicates junior high school, 2 indicates high school, 3 indicates technical school, junior college, or vocational school, and 4 indicates university or graduate school.
- Knowledge: Question asking how many years members of the House of Councillors are in office. The correct option is 4.
- Esteem_1/Esteem_2: Self-esteem, scales from 1 ‘Disagree’ to 4 ‘Agree’.
- Efficacy_1/Efficacy_2: Internal political efficacy, scales from 1 ‘Disagree’ to 4 ‘Agree’.
- DQ: Direct question, where 0 indicates that 18-year-olds should be given the right to vote, 1 indicates that they should not.
- List1C_agree: Number of agreements to items in the List A/control group.
- List1C_disagree: Number of disagreements to items in the List A/control group.
- List2T_agree: Number of agreements to items in the List B/treatment group.
- List2T_disagree: Number of disagreements to items in the List B/treatment group.
- List1T_agree: Number of agreements to items in the List A/treatment group.
- List1T_disagree: Number of disagreements to items in the List A/treatment group.
- List2C_agree: Number of agreements to items in the List B/control group.
- List2C_disagree: Number of disagreements to items in the List B/control group.
- deb: Debriefing and final consent to provide response data, where 1 indicates agreement and 2 indicates disagreement.
- p: Demographic; the first two characters of the six-character number are gender codes, with 10 indicating male and 20 indicating female. The middle characters represent age. This format is unique to the data provided by the research company (Rakuten Insight).