Balancing Precision and Retention in Experimental Design

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Codebook

Contents

1 Overview **1**

2 external_data/ **1**
2.1 Curiel_et_al.RData . . . 1
2.2 Galasso_et_al.dta . . . 1
2.3 Goerger_et_al.csv . . . 1
2.4 Lyon.csv . . . 1
2.5 Manekin_Mitts.rdata . . . 1
2.6 Simas.dta . . . 1

3 raw_data/ **2**
3.1 handcoding.csv . . . 2
3.2 DietrichHayesReplication.rds . . . 3
3.3 BayramGrahamReplication.rds . . . 8
3.4 TappinHewittReplication.rds . . . 13

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1 Overview

This codebook contains variable descriptions for all data contained in the `data/external_data` and `data/raw_data` folders in this replication archive. The `data/external_data` folder contains data downloaded from published articles' replication archive. The `data/raw_data` folder contains originally collected data. The R scripts in this archive use these data to create all objects in the `data/processed_data` folder.

2 external_data/

2.1 Curiel_et_al.RData

Data from Curiel, Samii and Vásquez-Cortés (2023) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/QR1EIR

2.2 Galasso_et_al.dta

Data from Galasso, Nannicini and Nunnari (2023) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/BN1GVD

2.3 Goerger_et_al.csv

Data from Goerger, Mummolo and Westwood (2023) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/IDAIUZ

2.4 Lyon.csv

Data from Lyon (2023) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/H1RSFY

2.5 Manekin_Mitts.rdata

Data from Manekin and Mitts (2022) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/SHHVCA

2.6 Simas.dta

Data from Simas (2022) available on the Harvard Dataverse: https://doi.org/10.7910/DVN/IONQ8V

3 raw_data/

3.1 handcoding.csv

Handcoding of experiments published in six political science journals published in 2022 or 2023. See Appendix Section D for details.

Variable: `journal`
Description: Journal abbreviation
"AJPS" *American Journal of Political Science*
"APSR" *American Political Science Review*
"CPS" *Comparative Political Studies*
"JEPS" *Journal of Political Science*
"JOP" *Journal of Politics*
"PB" *Political Behavior*

Variable: `year`
Description: Year of publication

Variable: `citation`
Description: Article citation

Variable: `doi`
Description: DOI

Variable: `in_sample`
Description: Article-level indicator
1 Article in the handcoded sample
0 Article not in the handcoded sample

Variable: `experiment_id`
Description: Experiment-level unique identifier. If an article contains more than one original experiment, each experiment is given a unique identifier determined by the order the experiments were discussed.

Variable: `experiment_type`
Description: Experiment setting
"survey"
"field"
"lab"
"lab-in-field"

Variable: `pretreatment_covars`
Description: Pre-treatment covariate collection

0 The design did not have pretreatment covariates or it was not possible to infer that it did from the article text.
1 The design did collect or was provided pretreatment covariates.

Variable: `block`
Description: Block randomization

1 The article indicated that the experiment used block randomization.
0 The article did not indicate that the experiment used block randomization.

Variable: `prepost`
Description: Pre-post estimation

1 The article indicated that the experiment used pre-post estimation.
0 The article did not indicate that the experiment used pre-post estimation.

Variable: `sample_size`
Description: Sample size in the analysis estimating treatment effects

Variable: `n_arms`
Description: Number of unique treatment arms in the experiment

Variable: `comments`
Description: Explanations of our codings when necessary

3.2 DietrichHayesReplication.rds

Original data collection replicating Dietrich and Hayes (2023) across three different expreimental designs. See `surveyinstruments/Dietrich and Hayes Replication.qsf` in this replication archive for full survey implementation details (e.g., question order, question branching, full treatment texts).

Variable: `id`
Description: Unique, anonymous identifier

Variable: `Finished`
Description: Finished survey

1 Finished
0 Did not finish

Variable: `age`
Description: What is your age?

1 Under 18
2 18 - 24
3 25 - 34
4 35 - 44
5 45 - 54
6 55 - 64
7 65 - 74
8 75 - 84
9 85 or older

Variable: `gender`
Description: What is your gender?
1 Man
2 Woman
3 Non-binary
4 Prefer to self-describe [text box]

Variable: `race`
Description: Please indicate your race/ethnicity (check all that apply):
1 White
2 Black or African American
3 American Indian or Alaska Native
4 Asian
5 Native Hawaiian or Pacific Islander
6 Hispanic or Latino
7 Arab or Middle Eastern
8 Other [text box]

Variable: `inc`
Description: Please indicate the current annual income (in US Dollars) for your household:
1 Less than $20,000
2 $20,000 to $34,999
3 $35,000 to $49,999
4 $50,000 to $74,999
5 $75,000 to $99,999
6 Over $100,000

Variable: `pid`
Description: Generally speaking, do you usually think of yourself as a Democrat, a Republican, an Independent, or what?
1 Democrat
2 Republican
3 Independent
4 Something else

Variable: pid_strength
Description: Would you call yourself a strong [Democrat/Republican] or not a very strong [Democrat/Republican]?

1 A strong [Democrat/Republican]
2 Not a very strong [Democrat/Republican]

Variable: pid_lean
Description: Do you think of yourself as closer to the Republican party or the Democratic party?

1 Closer to Republican
2 Closer to Democrat
3 Neither

Variable: attention_check
Description: People are very busy these days and many do not have time to follow what goes on in the government. We are testing whether people read questions. To show that you've read this, please selected both "extremely interested" and "very interested."

1 Extremely interested
2 Very interested
3 Somewhat interested
4 Not at all interested

Variable: cr_nonsym_blackleg
Description: Civil rights, Nonsymbolic, Black legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?

1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: cr_nonsym_whiteleg
Description: Civil rights, Nonsymbolic, White legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?

1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: cr_sym_blackleg
Description: Civil rights, Symbolic, Black legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?

1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `cr_sym_whitekleg`
Description: Civil rights, Symbolic, White legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?
1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `en_nonsym_blackleg`
Description: Energy, Nonsymbolic, Black legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?
1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `en_nonsym_whiteleg`
Description: Energy, Nonsymbolic, White legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?
1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `en_sym_blackleg`
Description: Energy, Symbolic, Black legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?
1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `en_sym_whiteleg`

Description: Energy, Symbolic, White legislator – To what extent do you approve or disapprove of the what the legislator said in portion of the speech that you read?

1 Strongly approve
2 Somewhat approve
3 Neither approve nor disapprove
4 Somewhat disapprove
5 Strongly disapprove

Variable: `dv_quasipre`
Description: How important is it to you that current members of United States Congress publicly address their commitment to civil rights?

1 Extremely important
2 Very important
3 Moderately important
4 Slightly important
5 Not at all important

Variable: `energy_pre`
Description: Some people think it is important to protect the environment, even if it costs some jobs or otherwise reduces our standard of living. Other people think that protecting the environment is not as important as maintaining jobs and our standard of living. Using the scale below, which of these positions comes closest to your own point of view?

1 Protect the environment, even if it costs some jobs
2
3
4
5
6
7 Jobs are more important than the environment

Variable: `imm_pre`
Description: What comes closest to your view? The growing number of newcomers from other countries...

1 ...threatens traditional American customs and values.
2 ...strengthens American society.

Variable: `design`
Description: Randomized experimental design

1 No pre-post, complete randomization
2 Pre-post, complete randomization
3 Pre-post, block randomization

Variable: `civilrights`

Description: Civil rights treatment indicator
1 Civil rights
0 Energy

Variable: `symbolic`
Description: Symbolic treatment indicator
1 Symbolic
0 Nonsymbolic

Variable: `blacklegislator`
Description: Race of legislator treatment indicator
1 Black legislator
0 White legislator

Variable: `block`
Description: Block indicator using `dv_quasipre`, `pid`, and `pid_lean` responses
1 Extremely important & Democrat or lean Democrat
2 Extremely important & Republican or lean Republican
3 Extremely important & Independent or other
4 Very important & Democrat or lean Democrat
5 Very important & Republican or lean Republican
6 Very important & Independent or other
7 Moderately important & Democrat or lean Democrat
8 Moderately important & Republican or lean Republican
9 Moderately important & Independent or other
10 Slightly important & Democrat or lean Democrat
11 Slightly important & Republican or lean Republican
12 Slightly important & Independent or other
13 Not important at all & Democrat or lean Democrat
14 Not important at all & Republican or lean Republican
15 Not important at all & Independent or other

3.3 BayramGrahamReplication.rds

Original data collection replicating Bayram and Graham (2022) across three different expreimental designs. See `surveyinstruments/Bayram and Graham Replication.qsf` in this replication archive for full survey implementation details (e.g., question order, question branching, full treatment texts).

Variable: `id`
Description: Unique, anonymous identifier

Variable: `Finished`

Description: Finished survey

1 Finished
0 Did not finish

Variable: `age`
Description: What is your age?

1 Under 18
2 18 - 24
3 25 - 34
4 35 - 44
5 45 - 54
6 55 - 64
7 65 - 74
8 75 - 84
9 85 or older

Variable: `gender`
Description: What is your gender?

1 Man
2 Woman
3 Non-binary
4 Prefer to self-describe [text box]

Variable: `race`
Description: Please indicate your race/ethnicity (check all that apply):

1 White
2 Black or African American
3 American Indian or Alaska Native
4 Asian
5 Native Hawaiian or Pacific Islander
6 Hispanic or Latino
7 Arab or Middle Eastern
8 Other [text box]

Variable: `inc`
Description: Please indicate the current annual income (in US Dollars) for your household:

1 Less than $20,000
2 $20,000 to $34,999
3 $35,000 to $49,999
4 $50,000 to $74,999
5 $75,000 to $99,999
6 Over $100,000

Variable: `pid`
Description: Generally speaking, do you usually think of yourself as a Democrat, a Republican, an Independent, or what?

1 Democrat
2 Republican
3 Independent
4 Something else

Variable: `pid_strength`
Description: Would you call yourself a strong [Democrat/Republican] or not a very strong [Democrat/Republican]?

1 A strong [Democrat/Republican]
2 Not a very strong [Democrat/Republican]

Variable: `pid_lean`
Description: Do you think of yourself as closer to the Republican party or the Democratic party?

1 Closer to Republican
2 Closer to Democrat
3 Neither

Variable: `attention_check`
Description: People are very busy these days and many do not have time to follow what goes on in the government. We are testing whether people read questions. To show that you've read this, please selected both "extremely interested" and "very interested."

1 Extremely interested
2 Very interested
3 Somewhat interested
4 Not at all interested

Variable: `delpref_post1`
Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?

1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `empref_post1`
Description: Would you prefer that the U.S. government earmark its aid?

1 I prefer that the U.S. government earmark its aid
2 I prefer that the U.S. doesn't earmark its aid

Variable: `delpref_post2`

Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?

1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `empref_post2`
Description: Would you prefer that the U.S. government earmark its aid?

1 I prefer that the U.S. government earmark its aid
2 I prefer that the U.S. doesn't earmark its aid

Variable: `delpref_post3`
Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?

1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `empref_post3`
Description: Would you prefer that the U.S. government earmark its aid?

1 prefer that the U.S. government earmark its aid
2 I prefer that the U.S. doesn't earmark its aid

Variable: `delpref_post4`
Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?

1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `empref_post4`
Description: Would you prefer that the U.S. government earmark its aid?

1 I prefer that the U.S. government earmark its aid
2 I prefer that the U.S. doesn't earmark its aid

Variable: `delpref_post5`
Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?

1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `empref_post5`
Description: Would you prefer that the U.S. government earmark its aid?
1 I prefer that the U.S. government earmark its aid
2 I prefer that the U.S. doesn't earmark its aid

Variable: `delpref_pre`
Description: Would you prefer that the U.S. government give economic aid directly to a poor country or give aid to an international organization (such as the World Bank or United Nations) which then gives the aid to a country?
1 I prefer that the U.S. government give economic aid directly to a poor country
2 I prefer that the U.S. government give economic aid to an international organization which then gives the aid to a poor country

Variable: `expert_un`
Description: The United Nations has the expertise needed to effectively distribute economic assistance to poor countries.
1 Strongly agree
2 Somewhat agree
3 Neither agree nor disagree
4 Somewhat disagree
5 Strongly disagree

Variable: `expert_worldbank`
Description: The World Bank has the expertise needed to effectively distribute economic assistance to poor countries.
1 Strongly agree
2 Somewhat agree
3 Neither agree nor disagree
4 Somewhat disagree
5 Strongly disagree

Variable: `expert_usgov`
Description: The United States government has the expertise needed to effectively distribute economic assistance to poor countries.
1 Strongly agree
2 Somewhat agree
3 Neither agree nor disagree
4 Somewhat disagree
5 Strongly disagree

Variable: `design`
Description: Randomized experimental design

1 No pre-post, complete randomization
2 Pre-post, complete randomization
3 Pre-post, block randomization

Variable: `Z`
Description: Treatment indicator

"control"	Control - No specific information about earmarking
"ear"	Earmarking ability information
"ear_ben"	Earmarking benefits information
"ear_cost"	Earmarking costs information
"ear_bencost"	Earmarking benefits and costs information

Variable: `block`
Description: Block indicator using `delpref_pre` and `expert_un` responses

"direct_agree"	Preference for US direct delivery & strongly agree or agree UN has expertise
"direct_disagree"	Preference for US direct delivery & strongly disagree or disagree UN has expertise
"direct_neutral"	Preference for US direct delivery & neither agree nor disagree UN has expertise
"io_agree"	Preference for delivery via international organization & strongly agree or agree UN has expertise
"io_disagree"	Preference for delivery via international organization &strongly disagree or disagree UN has expertise
"io_neutral"	Preference for delivery via international organization &neither agree nor disagree UN has expertise

3.4 TappinHewittReplication.rds

Original data collection replicating Tappin and Hewitt (2023) across three different expreimental designs. See `surveyinstruments/Tappin and Hewitt Replication.qsf` in this replication archive for full survey implementation details (e.g., question order, question branching, full treatment texts).

Variable: `id`
Description: Unique, anonymous identifier

3.4.1 Wave 1

Variable: `age`
Description: What is your age?

1 Under 18
2 18 - 24
3 25 - 34
4 35 - 44
5 45 - 54
6 55 - 64
7 65 - 74
8 75 - 84
9 85 or older

Variable: `gender`
Description: What is your gender?
1 Man
2 Woman
3 Non-binary
4 Prefer to self-describe [text box]

Variable: `race`
Description: Please indicate your race/ethnicity (check all that apply):
1 White
2 Black or African American
3 American Indian or Alaska Native
4 Asian
5 Native Hawaiian or Pacific Islander
6 Hispanic or Latino
7 Arab or Middle Eastern
8 Other [text box]

Variable: `inc`
Description: Please indicate the current annual income (in US Dollars) for your household:
1 Less than $20,000
2 $20,000 to $34,999
3 $35,000 to $49,999
4 $50,000 to $74,999
5 $75,000 to $99,999
6 Over $100,000

Variable: `pid`
Description: Generally speaking, do you usually think of yourself as a Democrat, a Republican, an Independent, or what?
1 Democrat
2 Republican
3 Independent
4 Something else

Variable: `pid_strength`
Description: Would you call yourself a strong [Democrat/Republican] or not a very strong [Democrat/Republican]?

1 A strong [Democrat/Republican]
2 Not a very strong [Democrat/Republican]

Variable: `pid_lean`
Description: Do you think of yourself as closer to the Republican party or the Democratic party?

1 Closer to Republican
2 Closer to Democrat
3 Neither

Variable: `attention_check`
Description: People are very busy these days and many do not have time to follow what goes on in the government. We are testing whether people read questions. To show that you've read this, please selected both "extremely interested" and "very interested."

1 Extremely interested
2 Very interested
3 Somewhat interested
4 Not at all interested

Variable: `ideo`
Description: How would you describe your political views?

1 Very liberal
2 Liberal
3 Somewhat liberal
4 Moderate
5 Somewhat conservative
6 Conservative
7 Very conservative

Variable: `start_w1`
Description: Start date and time

Variable: `end_w1`
Description: End date and time

Variable: `finished_w1`
Description: Finished survey

1 Finished
0 Did not finish

Variable: ft_voters_pre_1
Description: 101pt feeling thermometer – Republican Party voters

Variable: ft_voters_pre_2
Description: 101pt feeling thermometer – Democratic Party voters

Variable: ft_elites_pre_1
Description: 101pt feeling thermometer – Donald Trump

Variable: ft_elites_pre_2
Description: 101pt feeling thermometer – Barack Obama

Variable: ft_elites_pre_3
Description: 101pt feeling thermometer – Joe Biden

Variable: ft_elites_pre_4
Description: 101pt feeling thermometer – Mitt Romney

Variable: salestax_pre
Description: Should an in-state sales tax apply to online purchases of in-state buyers from out-of-state sellers?
1 Definitely not
2 No
3 Probably not
4 Not sure / Need more information
5 Probably yes
6 Yes
7 Definitely yes

Variable: pension_pre
Description: Should pension payments be increased for retired government workers?
1 Definitely not
2 No
3 Probably not
4 Not sure / Need more information
5 Probably yes
6 Yes
7 Definitely yes

Variable: fedaudit_pre
Description: Should the Federal Reserve Bank be audited by Congress?

1 Definitely not
2 No
3 Probably not
4 Not sure / Need more information
5 Probably yes
6 Yes
7 Definitely yes

Variable: `foreignaid_pre`
Description: Should the US increase or decrease foreign aid spending?
1 Definitely decrease
2 Decrease
3 Probably decrease
4 Not sure / Need more information
5 Probably increase
6 Increase
7 Definitely increase

Variable: `healthcare_pre`
Description: Do you support a single-payer healthcare system?
1 Definitely not
2 No
3 Probably not
4 Not sure / Need more information
5 Probably yes
6 Yes
7 Definitely yes

Variable: `design`
Description: Randomized experimental design. Assigned at the conclusion of Wave 1.
1 No pre-post, complete randomization
2 Pre-post, complete randomization
3 Pre-post, block randomization

3.4.2 Randomization Variables

Note for the block randomized group, treatment randomization occurred between Waves 1 and 2.

Variable: `excluded_from_blocking`
Description: Wave 1 participants with missingness excluded from blocking
1 Excluded
0 Not excluded

Variable: block_id
Description: Block identifier for those assigned design==3

3.4.3 Wave 2

Variable: start_w2
Description: Start date and time

Variable: end_w2
Description: End date and time

Variable: finished_w2
Description: Finished survey
1 Finished
0 Did not finish

Variable: salestax_post
Description: Same question wording and response options as salestax_pre

Variable: pension_post
Description: Same question wording and response options as pension_pre

Variable: fedaudit_post
Description: Same question wording and response options as fedaudit_pre

Variable: foreignaid_post
Description: Same question wording and response options as fedaudit_pre

Variable: healthcare_post
Description: Same question wording and response options as healthcare_pre

Variable: cue_salestax
Description: Party cue indicator for sales tax item
1 Received cue
0 Did not receive cue

Variable: cue_pension
Description: Party cue indicator for pension item
1 Received cue
0 Did not receive cue

Variable: `cue_fedaudit`
Description: Party cue indicator for fed audit item

1 Received cue
0 Did not receive cue

Variable: `cue_foreignaid`
Description: Party cue indicator for foreign aid item

1 Received cue
0 Did not receive cue

Variable: `cue_healthcare`
Description: Party cue indicator for healthcare item

1 Received cue
0 Did not receive cue

Variable: `state_pref`
Description: Indicator for asked to state preference during Wave 2

1 Asked preference items
0 Not asked preference items

3.4.4 Wave 3

Variable: `start_w3`
Description: Start date and time

Variable: `end_w3`
Description: End date and time

Variable: `finished_w3`
Description: Finished survey

1 Finished
0 Did not finish

Variable: `salestax_followup`
Description: Same question wording and response options as `salestax_pre`

Variable: `pension_followup`
Description: Same question wording and response options as `pension_pre`

Variable: `fedaudit_followup`
Description: Same question wording and response options as `fedaudit_pre`

Variable: `foreignaid_followup`
Description: Same question wording and response options as `fedaudit_pre`

Variable: `healthcare_followup`
Description: Same question wording and response options as `healthcare_pre`

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