File Overview and Codebooks

This Dataverse contains all data and coding scripts necessary to replicate Mildenberger, Lachapelle, Harrison and Stadelmann-Steffen. 2021. "Limited impacts of carbon tax rebate programs on public support for carbon pricing". *Nature Climate Change.*

The Dataverse includes three datasets and two R scripts. See the main text for descriptions of source data.

The datasets are:

- CanadaReplicationData.csv – panel data from the Canadian Climate Opinion Panel data, used to replicate analyses and figures in the main text, extended data figures, and supplementary information.

- ReplicationData_CanadianSurveysonEnergyandEnvironment.csv – cross-sectional survey data used in the replication script for SI Section 5.

- SwissReplicationData.csv – cross-sectional survey data from Switzerland, used to replicate analyses and figures in the main text and supplementary information.

A list of variables in each of these datasets follows:

CanadaReplicationData.csv

responseid	unique id for each panel respondent
wave	wave id
claimd	range that respondent believed their rebate fell into
dv0	estimated rebate amount, post-treatment, for respondents in Ontario and Saskatchewan in wave 4 who were assigned to treatment in rebate information experiment
prov_clean	respondent province
monthindex	timing of survey response, indexed by month, with wave 1 designated as 1
fedprice	indicator for whether respondent lives in province with a federal climate rebate
postperiod_1_2	indicator that takes 0 in wave 1, and 1 in wave 2
postperiod_2_3	indicator that takes 0 in wave 2, and 1 in wave 3
postperiod_1_5	indicator that takes 0 in wave 1, and 1 in wave 5
genderBIN	indicator that takes 1 for female
age3	respondent age
edu5	respondent education

frenchBIN	indicator that takes 1 if French speaker
bachelorsBIN	indicator that takes 1 if respondent has bachelors degree or higher
income.NUM	respondent income, numeric (midpoint of categorical scale)
income6	respondent income, categorical
ideology	ideology scale from 0 (far left) to 10 (far right)
trust.CRA	trust in Canada Revenue Agency on scale from 0 to 10
trust.FED	trust federal government on scale from 0 to 10
own	indicator that takes 1 if respondent owns home
numbercars	number of cars respondent owns
heat_perceived	categorical scale from 1 ($0 per month) to 5 ($100 or more per month) on respondent's estimated heating costs
gas_perceived	categorical scale from 1 ($0 per month) to 5 ($100 or more per month) on respondent's estimated gasoline costs
wave1_party	party preference in wave 1
wave3_party	party preference in wave 3
wave4_party	party preference in wave 4
votertype14	categorical variable classifying whether voters have consistent or inconsistent party preferences between waves 1 and 4
votertype34	categorical variable classifying whether voters have consistent or inconsistent party preferences between waves 3 and 4
federal_realdividend_raw	true dividend amount received by respondent
support_cp	indicator for carbon pricing support
oppose_cp	indicator for carbon pricing opposition
strongoppose_cp	indicator for strong carbon pricing opposition
heardBIN_atall	indicator if respondent has heard anything about carbon pricing
heardBIN_modormore	indicator if respondent has heard a moderate amount or more about carbon pricing
prov_or_fed	respondent belief that carbon pricing is managed at provincial or federal level in their province
correct_p_or_f	indicator for whether prov_or_fed belief is correct
fair_cp	Indicator for whether respondent agrees carbon pricing I fair for the average Canadian
think_rebate	respondent belief they received a rebate
divestimate	perceived rebate amount, in numeric form, converted from categorical ranges at the range midpoint

perceived_rebatecategory	11 point scale from 0 ($0) to 11 ($1000+) for categorical rebate ranges respondent perceives themselves in
divestimate_low	bottom of categorical range respondent believes their rebate is in
divestimate_high	top of categorical range respondent believes their rebate is in
divestimate_posttreatment	estimated rebate range, post-treatment, for respondents in Ontario and Saskatchewan in wave 4 who were assigned to treatment in rebate information experiment, expressed as a 11 point scale from 0 ($0) to 11 ($1000+)
treat	treatment assignment status for respondents in wave 4 in Ontario and Saskatchewan for rebate information experiment
supportDV	carbon pricing support post-treatment for wave 4 respondents in Ontario and Saskatchewan
netcostdv	net cost perceptions post-treatment for wave 4 respondents in Ontario and Saskatchewan
perceivedrebate.category_wave3	estimated rebate range, as of wave 3, for respondents in Ontario and Saskatchewan who - in wave 4 – would be assigned to treatment in rebate information experiment, expressed as a 11 point scale from 0 ($0) to 11 ($1000+)
adexposure	indicator for whether respondents self-report any exposure to ads about carbon pricing
adnegative	indicator for whether respondents self-report that these ads were negative
adinfluence	indicator for whether respondents self-report that these ads reduced support for carbon pricing
wave2new	indicator for non-panel cross-sectional respondents introduced in wave 2
wave3new	indicator for non-panel cross-sectional respondents introduced in wave 3
wave4new	indicator for non-panel cross-sectional respondents introduced in wave 4

ReplicationData_CanadianSurveysonEnergyandEnvironment.csv

year	year of survey response
carbon_tax_bin	indicator for carbon tax support
captrade_bin	indicator for emissions trading support
provcode	respondent province

SwissReplicationData.csv

age	respondent age
gender	respondent gender
canton	respondent canton
exptreat	respondent's treatment assignment for rebate information experiment
support	indicator for carbon pricing support
increase	indicator for supporting an increase in carbon tax
hl.dummy	indicator for whether respondent was asked about a low (0) or high (1) increase in carbon tax rate
partyideo	classification of respondent's preferred political party
taxpresent	respondent belief about presence of a Swiss carbon tax
taxuse	respondent belief about how Swiss carbon tax revenues are used
rebatepurpose	respondent belief about mechanism through which carbon tax revenues are allocated
rebateguess	respondent belief about size of monthly rebate
know_ct_engl	taxpresent variable with English category names
use_ct_engl	taxuse variable with English category names
knowledge3	whether respondent was correct in their rebatepurpose answer
knowledge4	whether respondent was correct in their rebateguess answer
knowledgeCT	constructed variable indicating whether respondent knows about rebate and its use, takes value of "Don't Know" if taxpresent and taxuse answers are incorrect, "A little" if one or the other is correct, and "Knows" if both are correct.
climscep	indicator that takes a 1 if respondent believes climate change is human-caused
education	respondent education
inc_cat	respondent income