

Fighting Climate Change: International Attitudes toward Climate Policies

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Motivation: Understanding international attitudes toward climate change and climate policies

Climate change is an urgent issue with lots of political economy constraints

Need to drastically reduce global emissions by 2050

Climate neutrality targets announced by 140+ countries (90% of global GHG emissions)

Given current policies, expect an average temperature rise of about 2.7°C by 2100

What drives support for/opposition to climate policies across the world?

Lack of concern or knowledge?

Effects on one's own budget and lifestyle?

Broader concerns about the impact on others and the economy?

Struggle to assess how a given policy affects climate change?

Address these questions using **social economics surveys and experiments**

Social Economics Surveys and Experiments

Surveys have been used for a long time for measurement & statistics

Now mostly replaced by high-quality admin data

Yet, **some things remain invisible** in sources other than survey (even great data!):

“Perceptions, attitudes and beliefs, knowledge, and reasoning”

Without this data, revealed preference approach—our holy grail—can be challenging

Surveys are more than a measurement tool. Control of data generating process

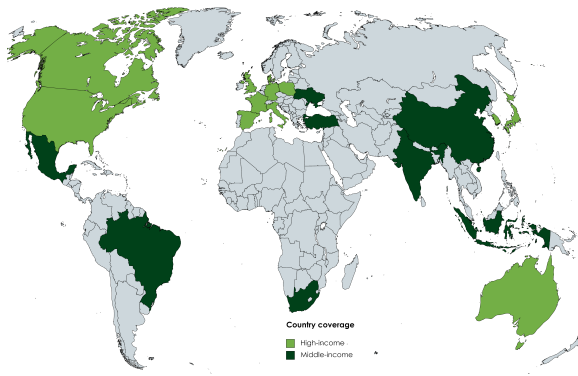
“Creating your own identifying variation and uncovering the invisible”

Critical that these surveys are well-designed and carefully calibrated

An international survey in 20 countries

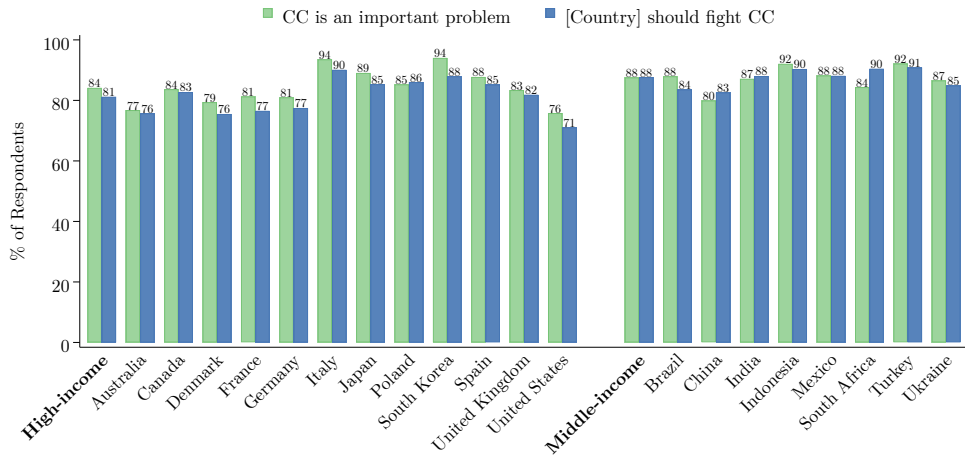
Large-scale, cross-country survey with +40,000 respondents

20 middle- and high-income countries (72% of global CO₂ emissions)¹



¹18/21 largest emitters; the three missing countries are Russia, Iran, and Saudi Arabia

Share of respondents who agree (somewhat to strongly) that “Climate change is an important problem” or their country “should take measures to fight climate change”



Outline

1. The Survey
2. Knowledge about climate change
3. Which factors shape support for climate policies?
4. Support for climate action across and within countries
5. Experimental Effects

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Sample

Sampling: Respondents are quota-sampled through commercial survey companies

Broad pools of respondents, variety of recruiting channels and rewards

Target dimensions: gender, age, income quartile, region, and urban vs. rural¹

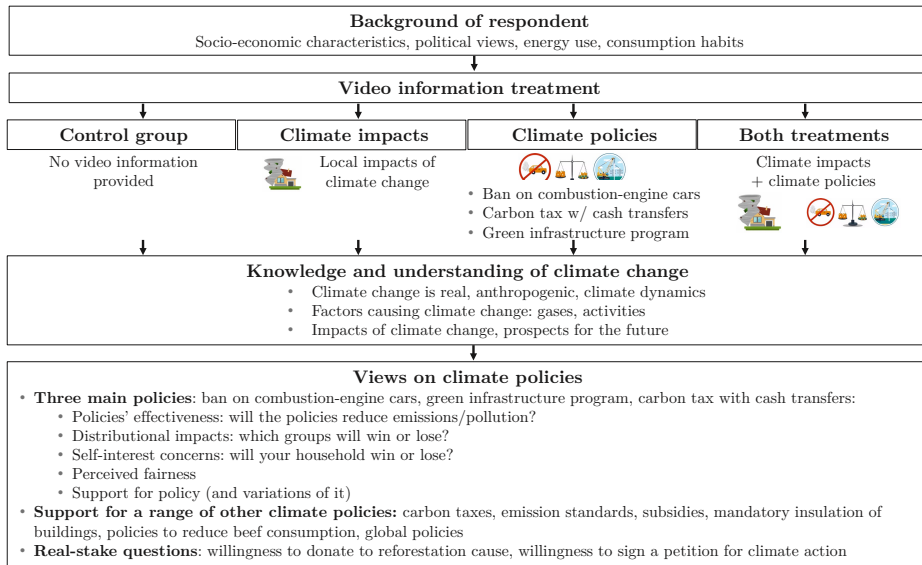
Representativity: [▶ Summary statistics](#)

High-income countries samples are broadly nationally representative

Middle-income countries are “online” representative

Comparison to other high-quality surveys: Pew (2015, 2021); Gallup (2022)

¹also: ethnicity/race in the U.S., and education in France



Data and Response Quality

Avoiding selection: Recruit respondents without revealing the topic; test for attrition

Careless responses: timer on each page; attention checks; flag suspicious patterns

Test for motivated reasoning: run a robustness survey with incentivized questions

Self-reported views vs. political behaviors: real stakes donation and petition

► Correlated with answers

Feedback post-survey: 15% thought it was left-wing biased; 11% right-wing

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Knowledge about climate change across countries: % correct

CC is real, human-made, & its dynamics

CC exists, is anthropogenic

Cutting emissions by half insufficient to stop global warming

GHG emission ranking

GHG footprint of beef/meat is higher than chicken or pasta

GHG footprint of nuclear is lower than gas or coal

GHG footprint of plane is higher than car or train/bus

Total emissions of China are higher than other regions

Per capita emissions of the US are higher than other regions

CC gases

Hydrogen is not a greenhouse gas

CO₂ is a greenhouse gas

Particulate matter is not a greenhouse gas

Methane is a greenhouse gas

CC impacts if CC goes unabated

Severe droughts and heatwaves are likely

Sea-level rise is likely

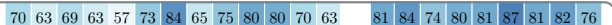
More frequent volcanic eruptions are unlikely

	High-income													Middle-income									
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States		Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
CC exists, is anthropogenic	70	63	69	63	57	73	84	65	75	80	70	63		81	84	74	80	81	87	81	82	76	
Cutting emissions by half insufficient to stop global warming	53	52	53	64	54	70	52	59	40	34	55	46		27	28	15	16	13	37	33	38	44	
GHG footprint of beef/meat is higher than chicken or pasta	80	81	81	86	73	85	82	73	78	85	74	85	76		58	65	49	50	53	55	74	60	58
GHG footprint of nuclear is lower than gas or coal	64	67	62	73	51	57	66	73	71	72	50	71	60		47	42	51	45	53	42	54	32	58
GHG footprint of plane is higher than car or train/bus	55	56	57	71	63	74	52	38	55	30	61	65	41		29	25	36	24	18	36	38	32	28
Total emissions of China are higher than other regions	71	71	69	67	62	69	81	83	65	86	73	69	61		58	64	34	56	44	69	62	72	62
Per capita emissions of the US are higher than other regions	49	38	48	64	49	59	61	35	53	27	52	46	55		44	53	34	42	33	49	44	55	45
Hydrogen is not a greenhouse gas	85	80	75	89	85	91	92	93	89	91	85	81	77		76	84	70	82	77	75	71	63	87
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More frequent volcanic eruptions are unlikely	44	42	37	63	38	59	49	52	31	31	41	41	43		26	33	23	21	19	33	26	22	36

Most believe climate change is real and anthropogenic

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Cutting emissions by half insufficient to stop global warming

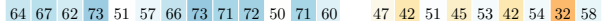


GHG emission ranking

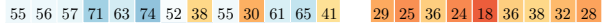
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GHG footprint of nuclear is lower than gas or coal



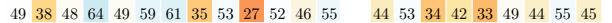
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Total emissions of China are higher than other regions



Per capita emissions of the US are higher than other regions



CC gases

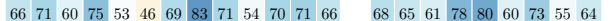
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CC impacts if CC goes unabated

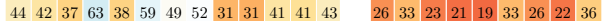
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Sea-level rise is likely



More frequent volcanic eruptions are unlikely



Most people are aware of the factors that cause climate change

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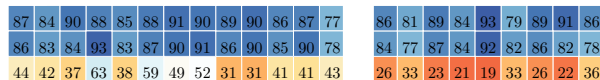
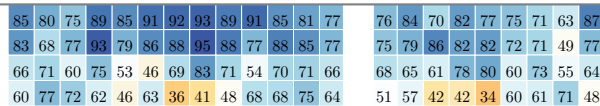
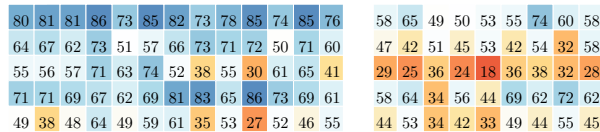
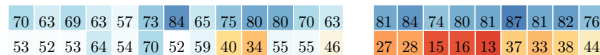
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People correctly foresee many consequences of climate change ...

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... but also expect some unlikely disastrous consequences

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People are overly optimistic about needed decarbonization levels

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49	38	48	64	49	59	61	35	53	27	52	46	55	44	53	34	42	33	49	44	55	45
85	80	75	89	85	91	92	93	89	91	85	81	77	76	84	70	82	77	75	71	63	87
83	68	77	93	79	86	88	95	88	77	88	85	77	75	79	86	82	82	72	71	49	77
66	71	60	75	53	46	69	83	71	54	70	71	66	68	65	61	78	80	60	73	55	64
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Measuring support for climate action

Challenge: policy's support may vary based on **the bundle** the policy is part of

Spending/investment: Sources of funding matter

Tax tools: how revenues are spent

Regulations: modalities matter (e.g., bans on polluting cars overall or in dense areas?)

Our strategy:

1) **Provide in-depth evidence for three main types of policies**

Tax (carbon tax with equal transfers)

Investment (debt-financed green infrastructure program)

Regulation (ban on combustion engine cars)

⇒ Analyze **fundamental factors shaping support** for policies

2) **Test variations** on possible uses of revenue, revenue sources, or policy bundles

Perceived characteristics of the main policies ▸ Perceptions vs. Reality

	Green Infrastructure Program		Carbon Tax w. Cash Transfers		Ban on Combustion-Engine Cars	
	High Income	Middle Income	High Income	Middle Income	High Income	Middle Income
Effectiveness of Main Climate Policies						
Reduce air pollution	76	82	68	77	79	83
Reduce GHG emissions/Reduce CO ₂ emissions from cars			64	71	73	77
Make electricity production greener	70	77				
Encourage insulation of buildings			64	67		
Increase the use of public transport/Encourage less driving	60	67	51	64		
Positive effect on economy and employment	37	45	31	41	35	39
Costless way to fight climate change	30	38	27	34	39	37
Distributional Impacts of Main Climate Policies						
<i>Believes the following groups would gain</i>						
Those living in rural areas	25	41	21	32	16	24
Low-income earners	21	40	22	31	12	24
The middle class	22	43	21	31	15	26
High-income earners	39	50	33	37	40	47
Self-Interest						
Believes own household would gain	23	40	20	28	15	24
Perceived Fairness and Support						
Support main climate policies	57	76	37	50	43	60
Main climate policies are fair	51	67	35	47	39	53

People recognize the environmental benefits of climate policies...

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... and also believe these come at economic costs

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Three main policies often considered regressive

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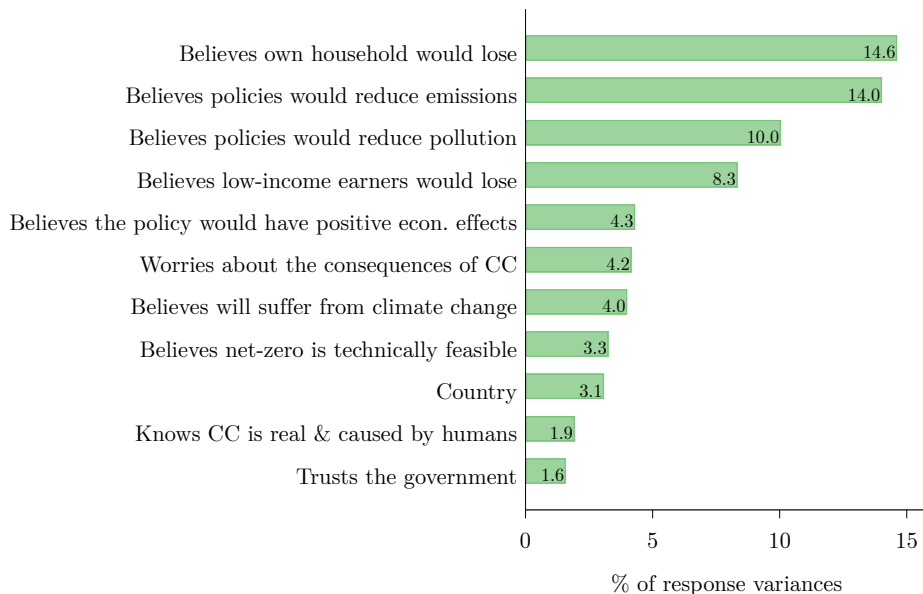
People are generally pessimistic about impact on own household

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Effectiveness of Main Climate Policies						
Reduce air pollution	76	82	68	77	79	83
Reduce GHG emissions/Reduce CO ₂ emissions from cars			64	71	73	77
Make electricity production greener	70	77				
Encourage insulation of buildings			64	67		
Increase the use of public transport/Encourage less driving	60	67	51	64		
Positive effect on economy and employment	37	45	31	41	35	39
Costless way to fight climate change	30	38	27	34	39	37
Distributional Impacts of Main Climate Policies						
<i>Believes the following groups would gain</i>						
Those living in rural areas	25	41	21	32	16	24
Low-income earners	21	40	22	31	12	24
The middle class	22	43	21	31	15	26
High-income earners	39	50	33	37	40	47
Self-Interest						
Believes own household would gain	23	40	20	28	15	24
Perceived Fairness and Support						
Support main climate policies	57	76	37	50	43	60
Main climate policies are fair	51	67	35	47	39	53

What explains support for climate action? [▶ Perceptions by groups](#)

1. **Self-interest:** the policy will not financially hurt my household [▶ Regression results](#)
 2. **Effectiveness belief:** the policy is helpful in reducing emissions
 3. **Equity concern:** the policy will not disproportionately hurt vulnerable HHs
- Not very predictive: knowledge or concerns about climate change [▶ Details](#)

Share of the variation in support explained by different beliefs



Outline

1. The Survey
2. Knowledge about climate change
3. Which factors shape support for climate policies?
- 4. Support for climate action across and within countries**
5. Experimental Effects

Share of respondents who support climate change policies

	High-income										Middle-income											
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
Main Policies Studied																						
Green infrastructure program	57	49	56	53	57	42	78	48	58	68	71	54	50	78	77	82	80	80	84	73	76	69
Ban on combustion-engine cars	43	35	47	41	28	32	54	41	44	52	54	45	39	65	60	72	77	65	67	53	62	58
Carbon tax with cash transfers	37	34	41	30	29	28	47	35	36	53	44	34	33	59	47	80	71	67	55	52	55	39
Transportation Policies																						
Ban on polluting cars in city centers	60	53	60	66	57	50	76	64	61	52	64	65	49	71	65	73	74	85	72	66	60	67
Ban on combustion-engine vehicles w. alternatives available	48	38	47	42	42	41	58	51	48	58	57	52	44	68	60	78	77	72	66	62	64	63
Tax on flying (+20%)	45	35	44	60	46	53	41	47	44	42	44	46	33	52	39	61	64	68	51	43	45	36
Energy Policies																						
Subsidies to low-carbon technologies	67	62	65	67	56	64	79	69	75	71	73	65	57	73	77	75	68	79	66	75	75	68
Mandatory and subsidized insulation of buildings	66	70	64	70	64	60	73	59	72	72	71	70	53	75		80				73	75	75
Funding clean energy in low-income countries	54	49	50	53	48	48	76	53	55	57	65	51	50	73	63	71	75	81	74	76	66	78
Tax on fossil fuels (\$45/tCO2)	36	36	40	43	31	31	38	35	27	42	39	38	34	48	35	58	64	58	41	38	52	28
Food Policies																						
Subsidies on organic and local vegetables	56	42	50	59	52	56	71	46	73	62	65	49	43	68	62	79		77	58	59	80	58
Ban of intensive cattle farming	42	32	41	31	55	49	64	17	44	44	43	50	36	39	38	50		45	46	28	32	25
Removal of subsidies for cattle farming	34	31	33	32	28	38	42	16	34	31	42	37	38	39	43	47		51	47	27	31	22
A high tax on cattle products, doubling beef prices	30	24	27	31	29	40	37	19	30	26	31	31	31	36	33	48		49	37	30	26	24
Support for Carbon Tax With:																						
Funding environmental infrastructures	63	60	48	60	65	60	76	56	68	78	69	63	56	75	78	76	71	81	73	79	73	69
Subsidies to low-carbon tech.	63	58	49	52	57	66	76	68	71	79	69	59	53	73	74	79	68	79	71	78	66	65
Reduction in personal income taxes	57	52	48	38	62	54	72	64	69	62	67	52	49	69	69	74	68	74	69	68	66	64
Cash transfers to the poorest households	53	51	48	41	55	47	68	54	50	59	63	57	46	73	67	82	69	86	66	65	82	62
Cash transfers to constrained households	50	50	42	36	55	47	62	47	39	62	61	52	44	64	59	69	63	74	59	60	65	61
Tax rebates for the most affected firms	48	41	41	38	52	34	66	49	61	59	55	41	43	62	59	72	65	68	54	63	55	56
Reduction in the public deficit	48	40	39	34	49	39	66	50	56	48	62	44	48	63	62	72	65	70	61	62	57	52
Progressive transfers	47	40	54			45	66	56	40	44	40	43		58	64	84	67	61	44	45	51	49
Equal cash transfers to all households	38	37	38	27	45	31	42	43	37	42	44	33	38	61	45	70	64	76	62	57	59	53
Reduction in corporate income taxes	37	29	32	24	37	25	55	38	48	48	50	26	29	58	54	67	60	67	61	50	60	42

High support for subsidies for low-carbon tech & infrastructure

► Funding for infrastructures

Main Policies Studied

Green infrastructure program

Ban on combustion-engine cars

Carbon tax with cash transfers

Transportation Policies

Ban on polluting cars in city centers

Ban on combustion-engine vehicles w. alternatives available

Tax on flying (+20%)

Energy Policies

Subsidies to low-carbon technologies

Mandatory and subsidized insulation of buildings

Funding clean energy in low-income countries

Tax on fossil fuels (\$45/tCO2)

Food Policies

Subsidies on organic and local vegetables

Ban of intensive cattle farming

Removal of subsidies for cattle farming

A high tax on cattle products, doubling beef prices

Support for Carbon Tax With:

Funding environmental infrastructures

Subsidies to low-carbon tech.

Reduction in personal income taxes

Cash transfers to the poorest households

Cash transfers to constrained households

Tax rebates for the most affected firms

Reduction in the public deficit

Progressive transfers

Equal cash transfers to all households

Reduction in corporate income taxes

High-income												Middle-income									
Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
57	49	56	53	57	42	78	48	58	68	71	54	50	78	77	82	80	80	84	73	76	69
43	35	47	41	28	32	54	41	44	52	54	45	39	65	60	72	77	65	67	53	62	58
37	34	41	30	29	28	47	35	36	53	44	34	33	59	47	80	71	67	55	52	55	39
60	53	60	66	57	50	76	64	61	52	64	65	49	71	65	73	74	85	72	66	60	67
48	38	47	42	42	41	58	51	48	58	57	52	44	68	60	78	77	72	66	62	64	63
45	35	44	60	46	53	41	47	44	42	44	46	33	52	39	61	64	68	51	43	45	36
67	62	65	67	56	64	79	69	75	71	73	65	57	73	77	75	68	79	66	75	75	68
66	70	64	70	64	60	73	59	72	72	71	70	53	75		80				73	75	75
54	49	50	53	48	48	76	53	55	57	65	51	50	73	63	71	75	81	74	76	66	78
36	36	40	43	31	31	38	35	27	42	39	38	34	48	35	58	64	58	41	38	52	28
56	42	50	59	52	56	71	46	73	62	65	49	43	68	62	79		77	58	59	80	58
42	32	41	31	55	49	64	17	44	44	43	50	36	39	38	50		45	46	28	32	25
34	31	33	32	28	38	42	16	34	31	42	37	38	39	43	47		51	47	27	31	22
30	24	27	31	29	40	37	19	30	26	31	31	31	36	33	48		49	37	30	26	24
63	60	48	60	65	60	76	56	68	78	69	63	56	75	78	76	71	81	73	79	73	69
63	58	49	52	57	66	76	68	71	79	69	59	53	73	74	79	68	79	71	78	66	65
57	52	48	38	62	54	72	64	69	62	67	52	49	69	69	74	68	74	69	68	66	64
53	51	48	41	55	47	68	54	50	59	63	57	46	73	67	82	69	86	66	65	82	62
50	50	42	36	55	47	62	47	39	62	61	52	44	64	59	69	63	74	59	60	65	61
48	41	41	38	52	34	66	49	61	59	55	41	43	62	59	72	65	68	54	63	55	56
48	40	39	34	49	39	66	50	56	48	62	44	48	63	62	72	65	70	61	62	57	52
47	40	54			45	66	56	40	44	40	43		58	64	84	67	61	44	45	51	49
38	37	38	27	45	31	42	43	37	42	44	33	38	61	45	70	64	76	62	57	59	53
37	29	32	24	37	25	55	38	48	48	50	26	29	58	54	67	60	67	61	50	60	42

Carbon taxes appear to be least popular at first glance...

	High-income										Middle-income											
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
Main Policies Studied																						
Green infrastructure program	57	49	56	53	57	42	78	48	58	68	71	54	50	78	77	82	80	80	84	73	76	69
Ban on combustion-engine cars	43	35	47	41	28	32	54	41	44	52	54	45	39	65	60	72	77	65	67	53	62	58
Carbon tax with cash transfers	37	34	41	30	29	28	47	35	36	53	44	34	33	59	47	80	71	67	55	52	55	39
Transportation Policies																						
Ban on polluting cars in city centers	60	53	60	66	57	50	76	64	61	52	64	65	49	71	65	73	74	85	72	66	60	67
Ban on combustion-engine vehicles w. alternatives available	48	38	47	42	42	41	58	51	48	58	57	52	44	68	60	78	77	72	66	62	64	63
Tax on flying (+20%)	45	35	44	60	46	53	41	47	44	42	44	46	33	52	39	61	64	68	51	43	45	36
Energy Policies																						
Subsidies to low-carbon technologies	67	62	65	67	56	64	79	69	75	71	73	65	57	73	77	75	68	79	66	75	75	68
Mandatory and subsidized insulation of buildings	66	70	64	70	64	60	73	59	72	72	71	70	53	75		80				73	75	75
Funding clean energy in low-income countries	54	49	50	53	48	48	76	53	55	57	65	51	50	73	63	71	75	81	74	76	66	78
Tax on fossil fuels (\$45/tCO2)	36	36	40	43	31	31	38	35	27	42	39	38	34	48	35	58	64	58	41	38	52	28
Food Policies																						
Subsidies on organic and local vegetables	56	42	50	59	52	56	71	46	73	62	65	49	43	68	62	79		77	58	59	80	58
Ban of intensive cattle farming	42	32	41	31	55	49	64	17	44	44	43	50	36	39	38	50		45	46	28	32	25
Removal of subsidies for cattle farming	34	31	33	32	28	38	42	16	34	31	42	37	38	39	43	47		51	47	27	31	22
A high tax on cattle products, doubling beef prices	30	24	27	31	29	40	37	19	30	26	31	31	31	36	33	48		49	37	30	26	24
Support for Carbon Tax With:																						
Funding environmental infrastructures	63	60	48	60	65	60	76	56	68	78	69	63	56	75	78	76	71	81	73	79	73	69
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Reduction in personal income taxes	57	52	48	38	62	54	72	64	69	62	67	52	49	69	69	74	68	74	69	68	66	64
Cash transfers to the poorest households	53	51	48	41	55	47	68	54	50	59	63	57	46	73	67	82	69	86	66	65	82	62
Cash transfers to constrained households	50	50	42	36	55	47	62	47	39	62	61	52	44	64	59	69	63	74	59	60	65	61
Tax rebates for the most affected firms	48	41	41	38	52	34	66	49	61	59	55	41	43	62	59	72	65	68	54	63	55	56
Reduction in the public deficit	48	40	39	34	49	39	66	50	56	48	62	44	48	63	62	72	65	70	61	62	57	52
Progressive transfers	47	40	54			45	66	56	40	44	40	43		58	64	84	67	61	44	45	51	49
Equal cash transfers to all households	38	37	38	27	45	31	42	43	37	42	44	33	38	61	45	70	64	76	62	57	59	53
Reduction in corporate income taxes	37	29	32	24	37	25	55	38	48	48	50	26	29	58	54	67	60	67	61	50	60	42

... but use of revenue matters substantially for their support

	High-income										Middle-income											
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
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Ban on combustion-engine cars	43	35	47	41	28	32	54	41	44	52	54	45	39	65	60	72	77	65	67	53	62	58
Carbon tax with cash transfers	37	34	41	30	29	28	47	35	36	53	44	34	33	59	47	80	71	67	55	52	55	39
Transportation Policies																						
Ban on polluting cars in city centers	60	53	60	66	57	50	76	64	61	52	64	65	49	71	65	73	74	85	72	66	60	67
Ban on combustion-engine vehicles w. alternatives available	48	38	47	42	42	41	58	51	48	58	57	52	44	68	60	78	77	72	66	62	64	63
Tax on flying (+20%)	45	35	44	60	46	53	41	47	44	42	44	46	33	52	39	61	64	68	51	43	45	36
Energy Policies																						
Subsidies to low-carbon technologies	67	62	65	67	56	64	79	69	75	71	73	65	57	73	77	75	68	79	66	75	75	68
Mandatory and subsidized insulation of buildings	66	70	64	70	64	60	73	59	72	72	71	70	53	75		80				73	75	75
Funding clean energy in low-income countries	54	49	50	53	48	48	76	53	55	57	65	51	50	73	63	71	75	81	74	76	66	78
Tax on fossil fuels (\$45/tCO2)	36	36	40	43	31	31	38	35	27	42	39	38	34	48	35	58	64	58	41	38	52	28
Food Policies																						
Subsidies on organic and local vegetables	56	42	50	59	52	56	71	46	73	62	65	49	43	68	62	79		77	58	59	80	58
Ban of intensive cattle farming	42	32	41	31	55	49	64	17	44	44	43	50	36	39	38	50		45	46	28	32	25
Removal of subsidies for cattle farming	34	31	33	32	28	38	42	16	34	31	42	37	38	39	43	47		51	47	27	31	22
A high tax on cattle products, doubling beef prices	30	24	27	31	29	40	37	19	30	26	31	31	31	36	33	48		49	37	30	26	24
Support for Carbon Tax With:																						
Funding environmental infrastructures	63	60	48	60	65	60	76	56	68	78	69	63	56	75	78	76	71	81	73	79	73	69
Subsidies to low-carbon tech.	63	58	49	52	57	66	76	68	71	79	69	59	53	73	74	79	68	79	71	78	66	65
Reduction in personal income taxes	57	52	48	38	62	54	72	64	69	62	67	52	49	69	69	74	68	74	69	68	66	64
Cash transfers to the poorest households	53	51	48	41	55	47	68	54	50	59	63	57	46	73	67	82	69	86	66	65	82	62
Cash transfers to constrained households	50	50	42	36	55	47	62	47	39	62	61	52	44	64	59	69	63	74	59	60	65	61
Tax rebates for the most affected firms	48	41	41	38	52	34	66	49	61	59	55	41	43	62	59	72	65	68	54	63	55	56
Reduction in the public deficit	48	40	39	34	49	39	66	50	56	48	62	44	48	63	62	72	65	70	61	62	57	52
Progressive transfers	47	40	54			45	66	56	40	44	40	43		58	64	84	67	61	44	45	51	49
Equal cash transfers to all households	38	37	38	27	45	31	42	43	37	42	44	33	38	61	45	70	64	76	62	57	59	53
Reduction in corporate income taxes	37	29	32	24	37	25	55	38	48	48	50	26	29	58	54	67	60	67	61	50	60	42

Those whose **lifestyle** allows them to bear the costs and adapt (“Self-interest”):

- i) high-quality public transportation access; ii) rely less on a car; iii) lower gas expenses

Left-leaning respondents (in all countries)

Those with higher levels of **education** (even conditional on income)

Income mostly insignificant

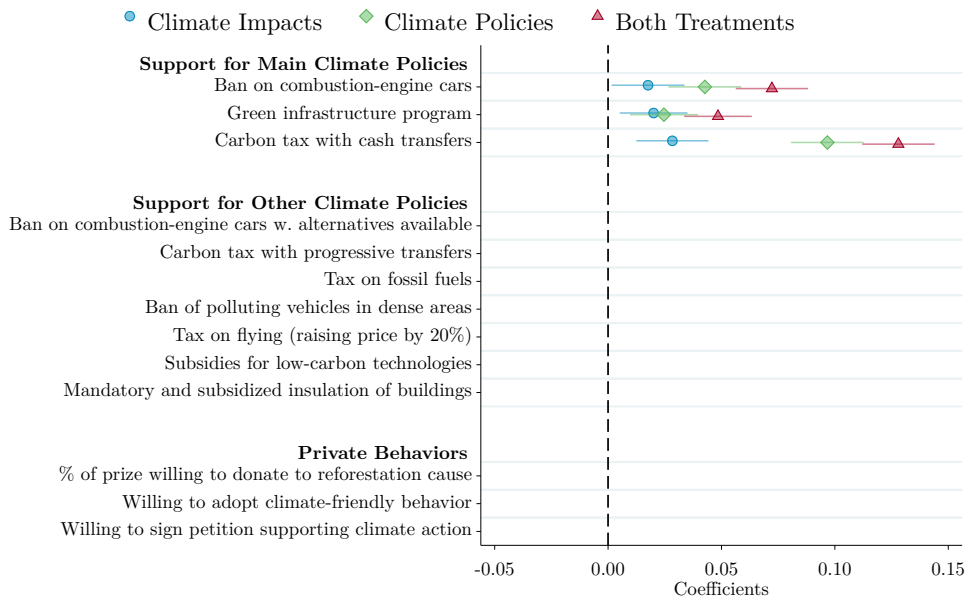
Age has mixed effects: higher support of younger people only in FR, AU, and U.S.

⇒ Policy views cannot be explained based on socioeconomic characteristics alone
($R^2 = 0.09$ without country FE; $R^2 = 0.18$ with them)

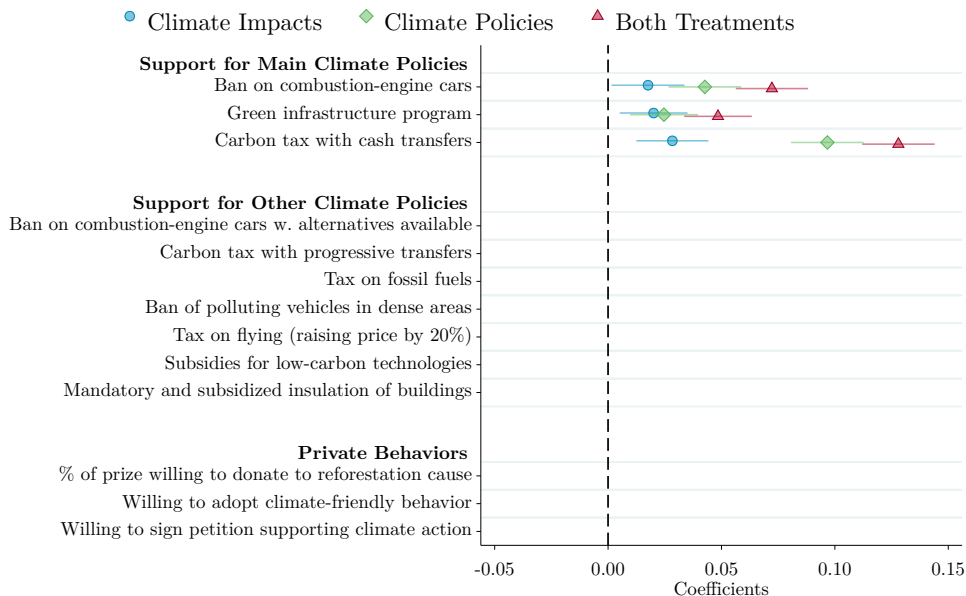
Outline

1. The Survey
2. Knowledge about climate change
3. Which factors shape support for climate policies?
4. Support for climate action across and within countries
- 5. Experimental Effects**

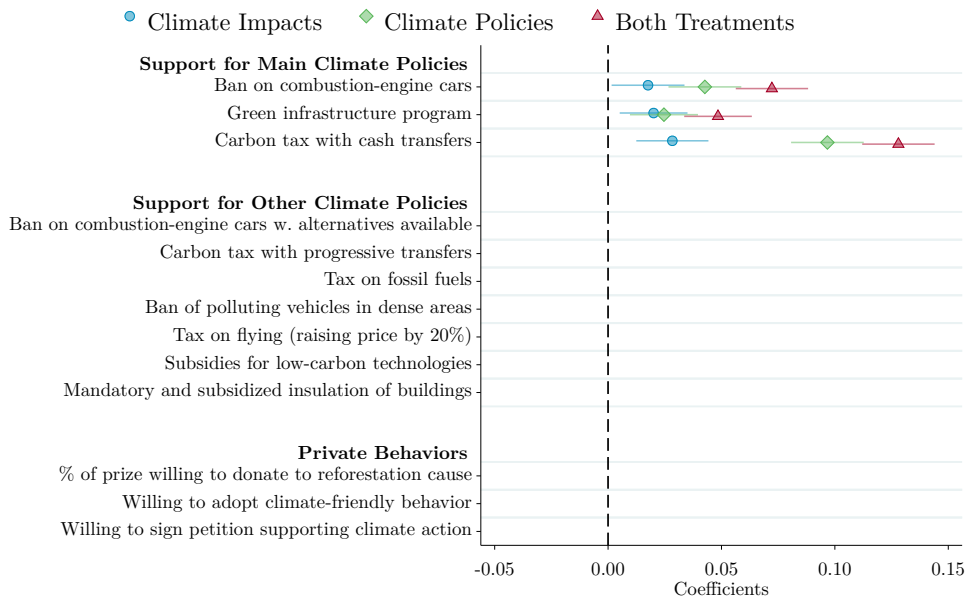
Effects of the treatments on support for climate action



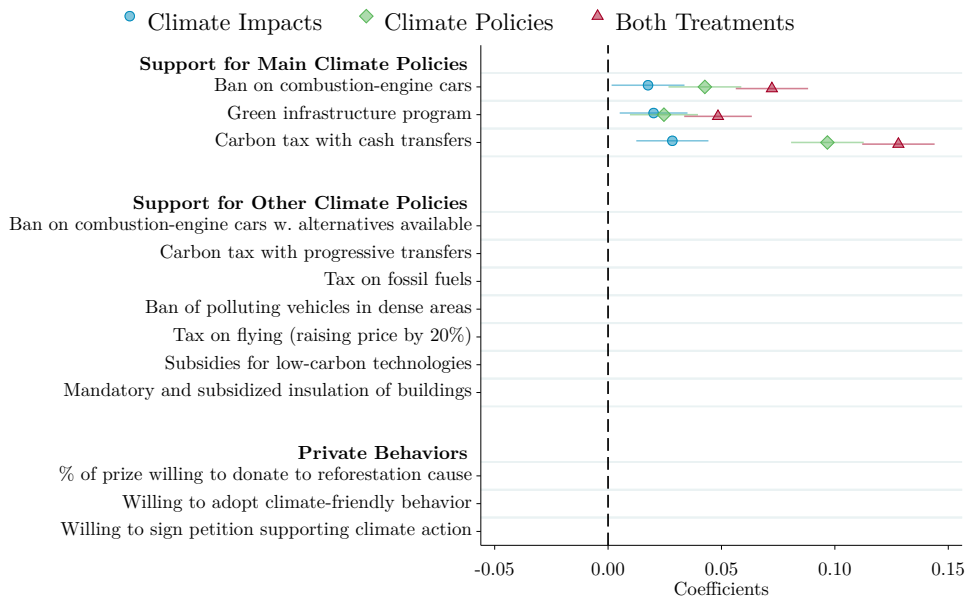
Climate impacts treatment has smallest effects on support



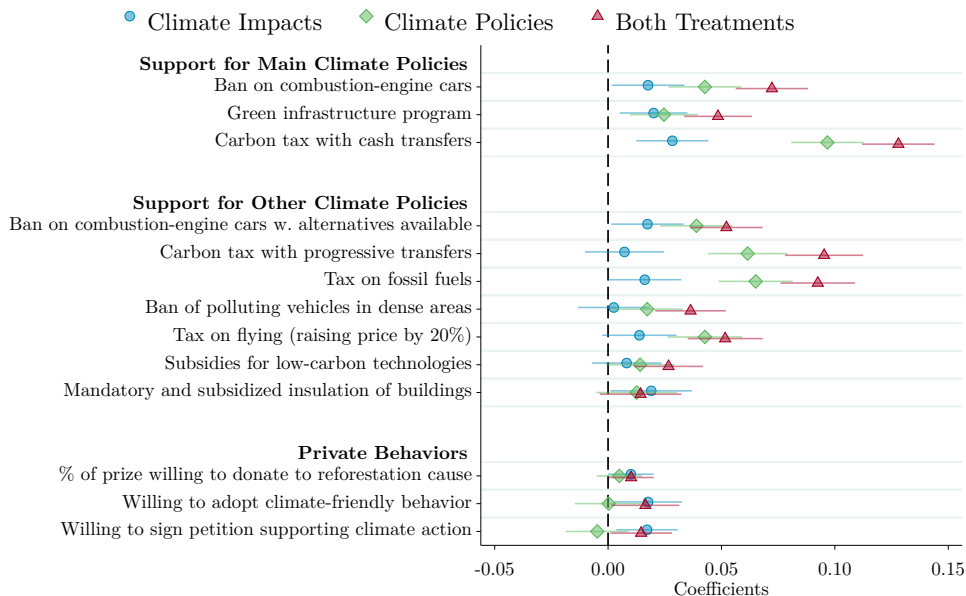
Climate Policies treatment has larger effects



Combined treatment has strongest effects



Similar effects on closely related policies



Interpretation of the treatment effects

Climate impact treatment increases knowledge and concern about climate change

However, these concerns and knowledge are not strong predictors of support

Thus, the treatment does not shift key mechanisms

Climate policies and combined treatment shift exactly the most predictive beliefs

Perceived impacts on oneself and others and the effectiveness of policies

Also has an effect on related policies

⇒ **Explaining how each policy works and who benefits or can be compensated**

Simply making people more concerned is not effective

Conclusion

Large majority understands CC is real & human caused, but disagrees about how to fight it

Socioeconomic and lifestyle factors are sig. correlated with views and beliefs...

...but it is difficult to predict beliefs or policy views based on these characteristics alone

Support for a given climate policy depends on three fundamental beliefs:

1. Effectiveness belief: policy reduces emissions

⇒ Scope for information

2. Equity concern: policy will not disproportionately hurt vulnerable HHs

⇒ Progressivity of policies & understanding of it is key

3. Self-interest: policy will not financially hurt my household

⇒ Provide alternatives & means to substitute

Concern or knowledge about climate change does not predict policy support well

Need to explain policies' effectiveness & distributional impacts, not just CC impacts

THANK YOU!



S O C I A L

E C O N O M I C S

L A B

<https://socialeconomicslab.org>

Appendix slides

Private action vs. public policy

“Willingness to change behaviors” and *“Support for climate policies”* only correlated of 0.6

⇒ Positive but discrepancy between private behavior and support of public policies

Under current incentives:

- about half willing to buy fuel-efficient or electric car or to limit flying
- except in Italy and India, generally unwilling to limit beef/meat consumption
- few willing to limit driving or cooling/heating their homes by much

Under different circumstances:

- willing to change behavior if they receive enough financial support
- willing to change behavior if others, especially rich, also change behavior

Share of people willing to adopt climate-friendly behaviors

	High-income														Middle-income									
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine				
Willingness to adopt climate-friendly behaviors																								
Have a fuel-efficient or electric vehicle	54	45	52	60	45	45	78	48	53	57	60	51	50	69	78	65	74	67	70	60	73	62		
Limit flying	51	37	53	49	56	64	64	37	58	43	62	46	39	55	52	59	66	56	59	48	44	49		
Limit beef/meat consumption	40	31	38	33	38	45	62	24	49	36	44	44	36	44	44	48	62	49	40	33	35	35		
Limit driving	37	26	35	33	32	41	57	37	41	36	47	37	29	49	41	62	66	54	47	38	46	25		
Limit heating or cooling your home	34	25	27	33	39	36	55	26	37	29	46	30	28	48	46	56	68	60	59	39	34	9		
Factors that would encourage behavior adoption																								
The well-off also changing their behavior	61	54	60	58	58	62	81	57	58	60	65	62	53	67	71	53	71	71	60	71	76	59		
Having enough financial support	58	49	58	49	45	64	71	47	64	63	68	61	52	66	65	53	67	68	63	72	67	68		
One's community also changing behaviors	55	45	52	56	40	55	80	51	56	68	63	50	47	66	69	53	70	72	63	72	72	46		
Country adopting ambitious climate policies	49	40	43	45	42	54	72	47	50	61	59	40	32	58	57	68	71	64	52	51	60	30		
Real-stakes																								
Willing to donate to reforestation cause	77	71	74	69	73	72	85	83	83	86	76	75	82	91	85	99	92	96	86	90	85	92		
Willing to sign petition supporting climate action	69	54	70	59	66	66	77	72	81	83	85	67	51	90	75	96	96	96	90	88	87	84		

Around half are willing to buy fuel-efficient car or to limit flying

High-income												Middle-income							
Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine

Willingness to adopt climate-friendly behaviors

Have a fuel-efficient or electric vehicle	54	45	52	60	45	45	78	48	53	57	60	51	50	69	78	65	74	67	70	60	73	62
Limit flying	51	37	53	49	56	64	64	37	58	43	62	46	39	55	52	59	66	56	59	48	44	49
Limit beef/meat consumption	40	31	38	33	38	45	62	24	49	36	44	44	36	44	44	48	62	49	40	33	35	35
Limit driving	37	26	35	33	32	41	57	37	41	36	47	37	29	49	41	62	66	54	47	38	46	25
Limit heating or cooling your home	34	25	27	33	39	36	55	26	37	29	46	30	28	48	46	56	68	60	59	39	34	9

Factors that would encourage behavior adoption

The well-off also changing their behavior	61	54	60	58	58	62	81	57	58	60	65	62	53	67	71	53	71	71	60	71	76	59
Having enough financial support	58	49	58	49	45	64	71	47	64	63	68	61	52	66	65	53	67	68	63	72	67	68
One's community also changing behaviors	55	45	52	56	40	55	80	51	56	68	63	50	47	66	69	53	70	72	63	72	72	46
Country adopting ambitious climate policies	49	40	43	45	42	54	72	47	50	61	59	40	32	58	57	68	71	64	52	51	60	30

Real-stakes

Willing to donate to reforestation cause	77	71	74	69	73	72	85	83	83	86	76	75	82	91	85	99	92	96	86	90	85	92
Willing to sign petition supporting climate action	69	54	70	59	66	66	77	72	81	83	85	67	51	90	75	96	96	96	90	88	87	84

People are unwilling to limit some behaviors

	High-income														Middle-income									
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine				
Willingness to adopt climate-friendly behaviors																								
Have a fuel-efficient or electric vehicle	54	45	52	60	45	45	78	48	53	57	60	51	50	69	78	65	74	67	70	60	73	62		
Limit flying	51	37	53	49	56	64	64	37	58	43	62	46	39	55	52	59	66	56	59	48	44	49		
Limit beef/meat consumption	40	31	38	33	38	45	62	24	49	36	44	44	36	44	44	48	62	49	40	33	35	35		
Limit driving	37	26	35	33	32	41	57	37	41	36	47	37	29	49	41	62	66	54	47	38	46	25		
Limit heating or cooling your home	34	25	27	33	39	36	55	26	37	29	46	30	28	48	46	56	68	60	59	39	34	9		
Factors that would encourage behavior adoption																								
The well-off also changing their behavior	61	54	60	58	58	62	81	57	58	60	65	62	53	67	71	53	71	71	60	71	76	59		
Having enough financial support	58	49	58	49	45	64	71	47	64	63	68	61	52	66	65	53	67	68	63	72	67	68		
One's community also changing behaviors	55	45	52	56	40	55	80	51	56	68	63	50	47	66	69	53	70	72	63	72	72	46		
Country adopting ambitious climate policies	49	40	43	45	42	54	72	47	50	61	59	40	32	58	57	68	71	64	52	51	60	30		
Real-stakes																								
Willing to donate to reforestation cause	77	71	74	69	73	72	85	83	83	86	76	75	82	91	85	99	92	96	86	90	85	92		
Willing to sign petition supporting climate action	69	54	70	59	66	66	77	72	81	83	85	67	51	90	75	96	96	96	90	88	87	84		

Willing to change behavior with financial support and if others do

	High-income														Middle-income									
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine				
Willingness to adopt climate-friendly behaviors																								
Have a fuel-efficient or electric vehicle	54	45	52	60	45	45	78	48	53	57	60	51	50	69	78	65	74	67	70	60	73	62		
Limit flying	51	37	53	49	56	64	64	37	58	43	62	46	39	55	52	59	66	56	59	48	44	49		
Limit beef/meat consumption	40	31	38	33	38	45	62	24	49	36	44	44	36	44	44	48	62	49	40	33	35	35		
Limit driving	37	26	35	33	32	41	57	37	41	36	47	37	29	49	41	62	66	54	47	38	46	25		
Limit heating or cooling your home	34	25	27	33	39	36	55	26	37	29	46	30	28	48	46	56	68	60	59	39	34	9		
Factors that would encourage behavior adoption																								
The well-off also changing their behavior	61	54	60	58	58	62	81	57	58	60	65	62	53	67	71	53	71	71	60	71	76	59		
Having enough financial support	58	49	58	49	45	64	71	47	64	63	68	61	52	66	65	53	67	68	63	72	67	68		
One's community also changing behaviors	55	45	52	56	40	55	80	51	56	68	63	50	47	66	69	53	70	72	63	72	72	46		
Country adopting ambitious climate policies	49	40	43	45	42	54	72	47	50	61	59	40	32	58	57	68	71	64	52	51	60	30		
Real-stakes																								
Willing to donate to reforestation cause	77	71	74	69	73	72	85	83	83	86	76	75	82	91	85	99	92	96	86	90	85	92		
Willing to sign petition supporting climate action	69	54	70	59	66	66	77	72	81	83	85	67	51	90	75	96	96	96	90	88	87	84		

Summary Statistics – High-income countries 1 [◀ Back](#)

	Australia		Canada		Denmark		France	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Sample size	NA	1,978	NA	2,022	NA	2,013	NA	2,006
Man	0.49	0.56	0.49	0.45	0.50	0.50	0.48	0.44
18-24 years old	0.11	0.10	0.10	0.09	0.11	0.09	0.12	0.10
25-34 years old	0.19	0.19	0.17	0.14	0.16	0.12	0.15	0.15
35-49 years old	0.26	0.27	0.24	0.25	0.23	0.25	0.24	0.25
More than 50 years old	0.44	0.44	0.48	0.52	0.50	0.54	0.49	0.50
Income Q1	0.25	0.22	0.25	0.25	0.26	0.29	0.25	0.31
Income Q2	0.25	0.21	0.25	0.28	0.23	0.25	0.25	0.31
Income Q3	0.25	0.33	0.25	0.28	0.28	0.26	0.25	0.23
Income Q4	0.25	0.24	0.25	0.20	0.22	0.19	0.25	0.14
Region 1	0.33	0.30	0.07	0.06	0.32	0.30	0.19	0.19
Region 2	0.20	0.23	0.06	0.07	0.23	0.23	0.22	0.24
Region 3	0.07	0.10	0.26	0.23	0.10	0.10	0.20	0.22
Region 4	0.28	0.28	0.39	0.39	0.14	0.16	0.25	0.20
Region 5	0.11	0.09	0.23	0.24	0.21	0.21	NA	NA
Urban	0.72	0.76	0.83	0.89	0.53	0.53	0.60	0.59
College education (25-64)	0.49	0.46	0.60	0.56	0.42	0.44	0.40	0.42
Vote: Candidate/Party 1	0.41	0.41	0.34	0.27	0.26	0.28	0.24	0.12
Vote: Candidate/Party 2	0.33	0.36	0.33	0.36	0.23	0.17	0.21	0.21
Vote: Candidate/Party 3	NA	NA	0.18	0.18	NA	NA	0.20	0.29
Vote: Candidate/Party 4	NA	NA	NA	NA	NA	NA	0.20	0.14
Unemployment rate (15-64)	0.07	0.12	0.10	0.12	0.06	0.12	0.08	0.10
Home ownership rate	0.66	0.59	0.66	0.59	0.59	0.59	0.65	0.56

Summary Statistics – High-income countries 2 [◀ Back](#)

	Germany		Italy		Japan		Poland	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Sample size	NA	2,006	NA	2,088	NA	1,990	NA	2,053
Man	0.49	0.48	0.48	0.49	0.48	0.54	0.48	0.44
18-24 years old	0.09	0.06	0.08	0.09	0.08	0.08	0.09	0.09
25-34 years old	0.15	0.16	0.12	0.13	0.12	0.13	0.17	0.18
35-49 years old	0.22	0.22	0.24	0.26	0.24	0.27	0.28	0.30
More than 50 years old	0.54	0.56	0.56	0.52	0.56	0.53	0.46	0.42
Income Q1	0.25	0.25	0.25	0.28	0.25	0.27	0.25	0.22
Income Q2	0.25	0.25	0.25	0.28	0.25	0.27	0.25	0.27
Income Q3	0.25	0.23	0.25	0.23	0.25	0.27	0.25	0.27
Income Q4	0.25	0.27	0.25	0.21	0.25	0.19	0.25	0.25
Region 1	0.10	0.10	0.20	0.20	0.17	0.18	0.12	0.10
Region 2	0.15	0.16	0.11	0.12	0.18	0.19	0.14	0.13
Region 3	0.18	0.16	0.19	0.17	0.35	0.38	0.23	0.21
Region 4	0.29	0.27	0.27	0.30	0.11	0.10	0.29	0.33
Region 5	0.28	0.31	0.23	0.21	0.20	0.16	0.22	0.23
Urban	0.80	0.76	0.83	0.89	0.70	0.76	0.57	0.66
College education (25-64)	0.31	0.32	0.29	0.38	0.53	0.59	0.33	0.46
Vote: Candidate/Party 1	0.37	0.28	0.36	0.20	0.35	0.44	0.44	0.31
Vote: Candidate/Party 2	0.25	0.20	0.20	0.27	0.20	0.16	0.30	0.39
Vote: Candidate/Party 3	NA	NA	0.19	0.17	0.14	0.10	0.14	0.12
Vote: Candidate/Party 4	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment rate (15-64)	0.04	0.07	0.09	0.17	0.03	0.05	0.03	0.09
Home ownership rate	0.49	0.39	0.74	0.75	0.55	0.72	0.87	0.71

Summary Statistics – High-income countries 3 [◀ Back](#)

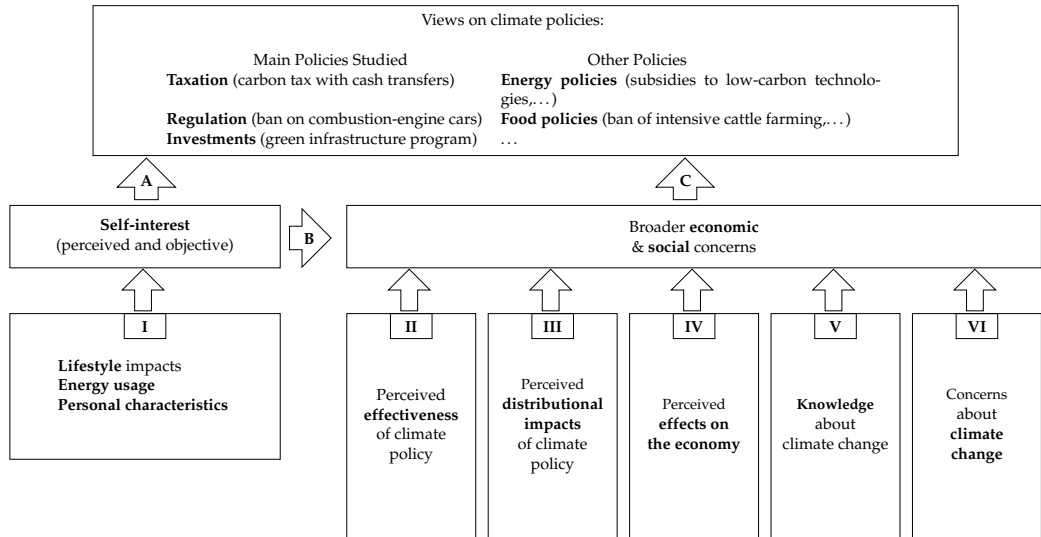
	South Korea		Spain		U.K.		U.S.	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Sample size	NA	1,932	NA	2,268	NA	2,025	NA	2,218
Man	0.50	0.56	0.49	0.49	0.50	0.52	0.49	0.47
18-24 years old	0.10	0.09	0.08	0.10	0.10	0.09	0.12	0.12
25-34 years old	0.16	0.19	0.12	0.14	0.17	0.19	0.18	0.18
35-49 years old	0.27	0.31	0.28	0.29	0.24	0.24	0.24	0.25
More than 50 years old	0.47	0.40	0.51	0.48	0.49	0.48	0.46	0.45
Income Q1	0.25	0.27	0.25	0.25	0.25	0.27	0.20	0.26
Income Q2	0.25	0.28	0.25	0.27	0.25	0.25	0.24	0.28
Income Q3	0.25	0.32	0.25	0.23	0.25	0.21	0.24	0.26
Income Q4	0.25	0.13	0.25	0.25	0.25	0.27	0.31	0.20
Region 1	0.25	0.24	0.19	0.21	0.21	0.21	0.21	0.20
Region 2	0.34	0.37	0.30	0.28	0.13	0.13	0.17	0.18
Region 3	0.19	0.23	0.11	0.10	0.24	0.23	0.38	0.39
Region 4	0.22	0.17	0.13	0.15	0.11	0.10	0.24	0.23
Region 5	NA	NA	0.28	0.26	0.31	0.33	NA	NA
Urban	0.92	0.95	0.70	0.75	0.82	0.84	0.73	0.72
College education (25-64)	0.51	0.74	0.40	0.57	0.49	0.51	0.61	0.60
Vote: Candidate/Party 1	0.41	0.59	0.28	0.30	0.44	0.45	0.51	0.57
Vote: Candidate/Party 2	0.24	0.12	0.21	0.16	0.32	0.28	0.47	0.36
Vote: Candidate/Party 3	0.21	0.11	0.15	0.09	0.12	0.11	NA	NA
Vote: Candidate/Party 4	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment rate (15-64)	0.04	0.08	0.16	0.14	0.05	0.09	0.08	0.13
Home ownership rate	0.57	0.65	0.76	0.71	0.63	0.64	0.66	0.67

Summary Statistics – Middle-income countries 1 [◀ Back](#)

	Brazil		China		India		Indonesia	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Sample size	NA	1,860	NA	1,717	NA	2,472	NA	2,488
Man	0.49	0.45	0.51	0.54	0.51	0.58	0.50	0.52
18-24 years old	0.15	0.16	0.10	0.12	0.18	0.23	0.17	0.19
25-34 years old	0.22	0.23	0.20	0.26	0.24	0.27	0.23	0.26
35-49 years old	0.30	0.32	0.28	0.35	0.29	0.24	0.31	0.31
More than 50 years old	0.34	0.29	0.42	0.27	0.28	0.26	0.29	0.24
Income Q1	0.25	0.24	0.25	0.13	0.25	0.27	0.25	0.28
Income Q2	0.25	0.30	0.25	0.25	0.25	0.24	0.25	0.24
Income Q3	0.25	0.24	0.25	0.29	0.25	0.25	0.25	0.23
Income Q4	0.25	0.22	0.25	0.32	0.25	0.24	0.25	0.25
Region 1	0.08	0.07	0.29	0.31	0.27	0.20	0.08	0.07
Region 2	0.09	0.04	0.12	0.17	0.26	0.25	0.30	0.31
Region 3	0.27	0.28	0.08	0.05	0.13	0.15	0.13	0.11
Region 4	0.14	0.15	0.29	0.23	0.20	0.24	0.21	0.20
Region 5	0.42	0.45	0.22	0.24	0.14	0.17	0.27	0.31
Urban	0.69	0.77	0.63	0.53	0.36	0.46	0.57	0.62
Master or higher (25-64)	0.01	0.19	0.01	0.03	0.03	0.30	0.07	0.04
Vote: Candidate/Party 1	0.46	0.47	NA	NA	0.37	0.59	0.19	0.42
Vote: Candidate/Party 2	0.29	0.22	NA	NA	0.20	0.16	0.13	0.18
Vote: Candidate/Party 3	NA	NA	NA	NA	NA	NA	0.12	0.05
Vote: Candidate/Party 4	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment rate (15-64)	0.14	0.11	0.03	0.01	0.09	0.04	0.06	0.05
Home ownership rate	0.72	0.72	0.90	0.83	0.87	0.79	0.84	0.89

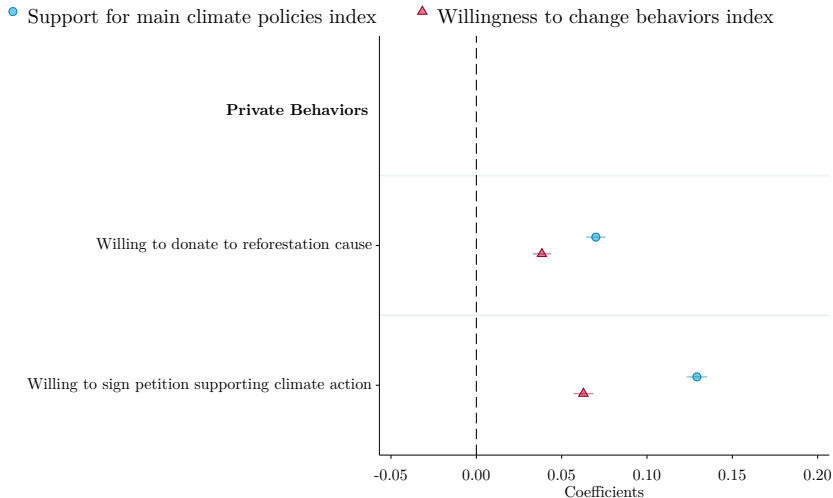
Summary Statistics – Middle-income countries 2 [◀ Back](#)

	Mexico		Turkey		South Africa		Ukraine	
	Population	Sample	Population	Sample	Population	Sample	Population	Sample
Sample size	NA	2,045	NA	1,932	NA	2,003	NA	1,564
Man	0.48	0.49	0.49	0.43	0.49	0.46	0.45	0.61
18-24 years old	0.18	0.18	0.16	0.18	0.21	0.21	0.08	0.12
25-34 years old	0.23	0.24	0.21	0.24	0.28	0.29	0.18	0.25
35-49 years old	0.30	0.31	0.30	0.34	0.28	0.28	0.28	0.40
More than 50 years old	0.29	0.27	0.33	0.24	0.22	0.22	0.46	0.24
Income Q1	0.25	0.26	0.25	0.14	0.25	0.16	0.25	0.17
Income Q2	0.25	0.27	0.25	0.28	0.25	0.24	0.25	0.24
Income Q3	0.25	0.24	0.25	0.28	0.25	0.32	0.25	0.24
Income Q4	0.25	0.22	0.25	0.30	0.25	0.27	0.25	0.36
Region 1	0.33	0.38	0.25	0.28	0.12	0.09	0.31	0.37
Region 2	0.22	0.18	0.18	0.12	0.24	0.29	0.21	0.17
Region 3	0.10	0.10	0.30	0.34	0.18	0.17	0.22	0.26
Region 4	0.13	0.12	0.26	0.26	0.33	0.26	0.25	0.20
Region 5	0.23	0.22	NA	NA	0.13	0.18	NA	NA
Urban	0.64	0.81	0.87	0.96	0.49	0.63	0.70	0.88
Master or higher (25-64)	0.02	0.08	0.02	0.09	0.01	0.08	0.27	0.25
Vote: Candidate/Party 1	0.36	0.39	0.43	0.42	0.58	0.35	0.31	0.60
Vote: Candidate/Party 2	0.19	0.20	0.23	0.28	0.21	0.32	0.16	0.19
Vote: Candidate/Party 3	0.18	0.10	NA	NA	NA	NA	NA	NA
Vote: Candidate/Party 4	NA	NA	NA	NA	NA	NA	NA	NA
Unemployment rate (15-64)	0.04	0.07	0.13	0.12	0.29	0.16	0.10	0.10
Home ownership rate	0.80	0.70	0.58	0.63	0.70	0.47	0.93	0.72



Do Survey Responses Reflect Actual Behaviors? Correlation between self-reported support and actual behaviors

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Real-stakes questions

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By taking this survey, you are automatically entered into a lottery to win \$100. In a few days you will know whether you have been selected in the lottery. The payment will be made to you in the same way as your compensation for this survey, so no further action is required on your part.

You can also donate a part of this additional compensation (should you be selected in the lottery) to a reforestation project through the charity The Gold Standard. This charity has already proven effective to reduce 151 million tons of CO₂ to fight climate change and has been carefully selected by our team. The Gold Standard is highly transparent and ensures that its projects feature the highest levels of environmental integrity and contribute to sustainable development.

Should you win the lottery, please enter your donation amount using the slider below:



Finally, are you willing to sign a petition to "stand up for real climate action"?

As soon as the survey is complete, we will send the results to the U.S. President's office, informing him what share of people who took this survey were willing to support the following petition.

"I agree that immediate action on climate change is critical. Now is the time to dedicate ourselves to a low-carbon future and prevent lasting damage to all living things. Science shows us we cannot afford to wait to cut harmful carbon emissions. I'm adding my voice to the call to world leaders in the U.S. and beyond -- to act so we do not lose ground in combating climate change."

Do you support this petition (you will NOT be asked to sign, only your answer here is required and remains anonymous)?

Yes

☐

No

☐

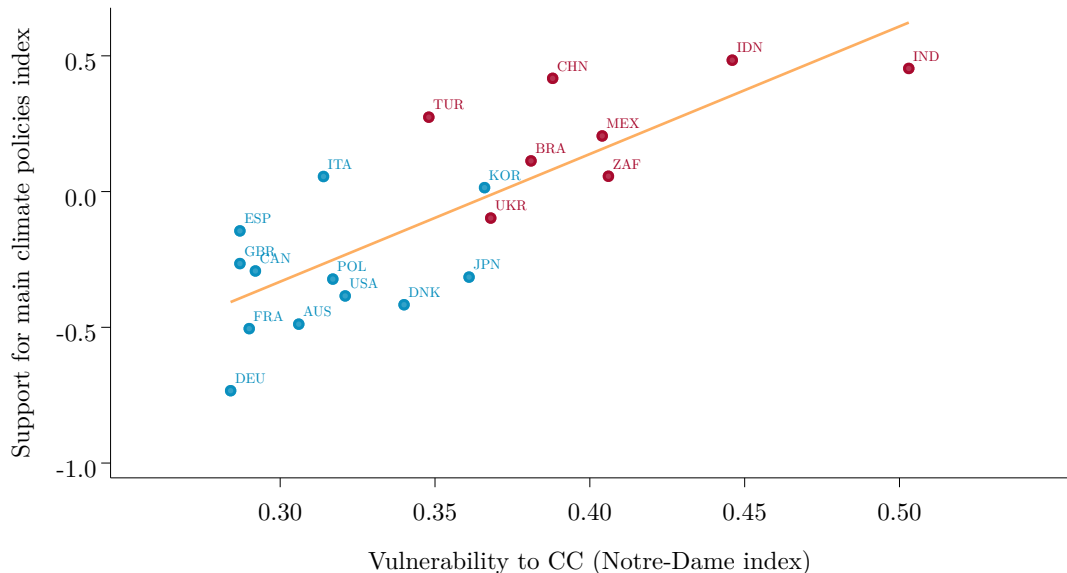
Finally, are you willing to sign a petition to “stand up for real climate action”? As soon as the survey is complete, we will send the results to the [head of state’s] office, informing him what share of people who took this survey were willing to support the following petition. “I agree that immediate action on climate change is critical. Now is the time to dedicate ourselves to a low-carbon future and prevent lasting damage to all living things. Science shows us we cannot afford to wait to cut harmful carbon emissions. I’m adding my voice to the call to world leaders in [country] and beyond – to act so we do not lose ground in combating climate change.” Do you support this petition (you will NOT be asked to sign, only your answer here is required and remains anonymous)?

Yes; No

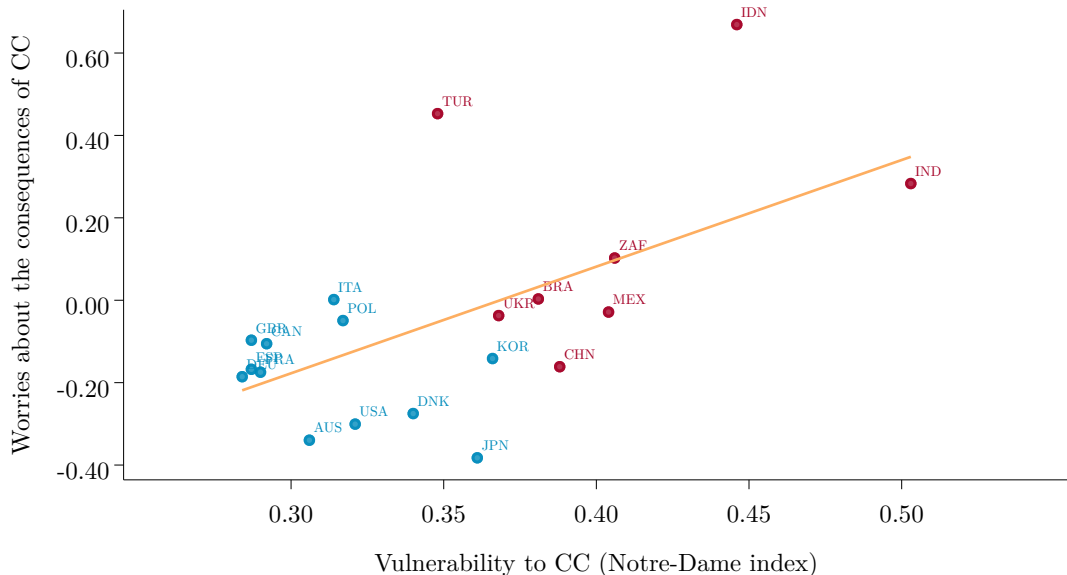
By taking this survey, you are automatically entered into a lottery to win [\$100]. In a few days you will know whether you have been selected in the lottery. The payment will be made to you in the same way as your compensation for this survey, so no further action is required on your part. You can also donate a part of this additional compensation (should you be selected in the lottery) to a reforestation project through the charity The Gold Standard. This charity has already proven effective to reduce 151 million tons of CO₂ to fight climate change and has been carefully selected by our team. The Gold Standard is highly transparent and ensures that its projects feature the highest levels of environmental integrity and contribute to sustainable development. Should you win the lottery, please enter your donation amount using the slider below:

Slider going from 0 to [100]

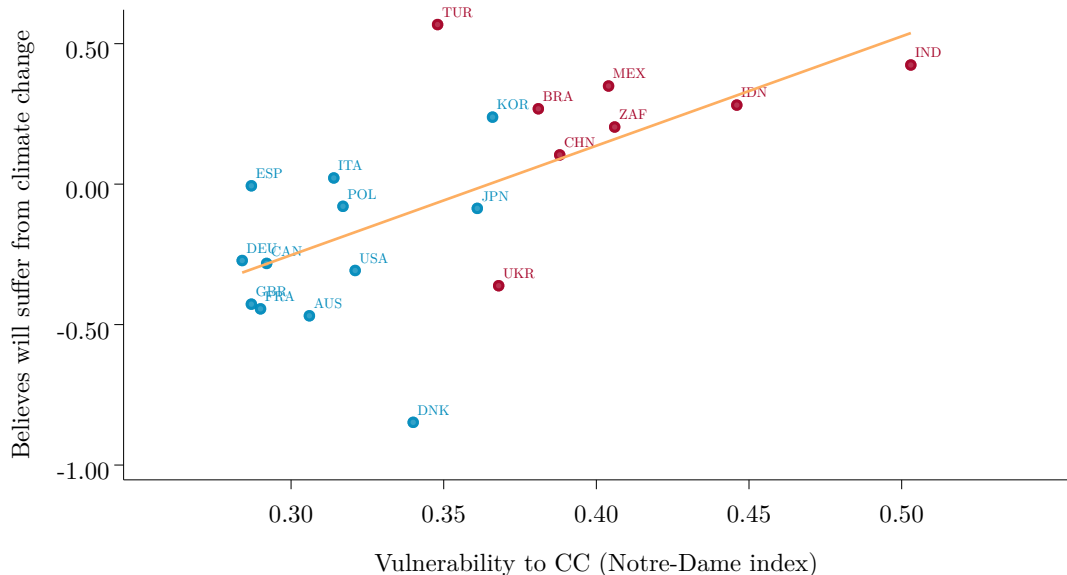
Perception vs. Reality: Support for Climate Policies

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Perception vs. Reality: Concerns about CC [◀ Back](#)



Perception vs. Reality: Perceived personal effects

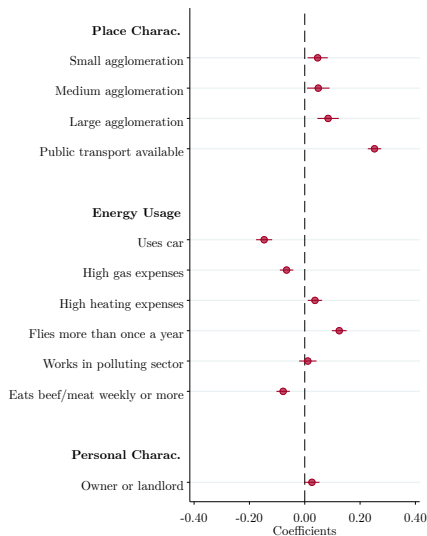
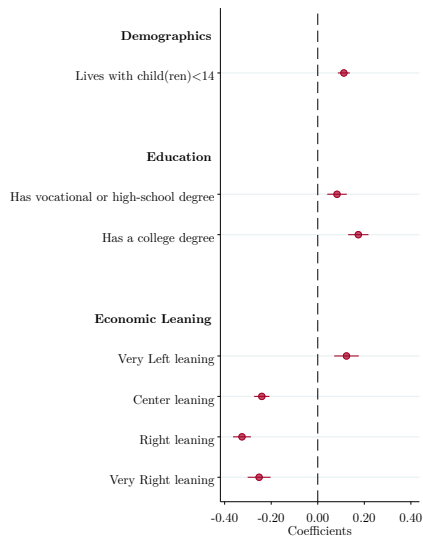
[◀ Back](#)

Share of respondents who find the following sources of funding appropriate for public investments in green infrastructure?

(Multiple answers possible) [◀ Back](#)

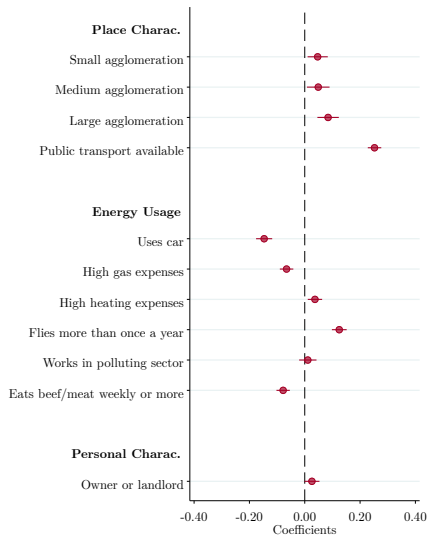
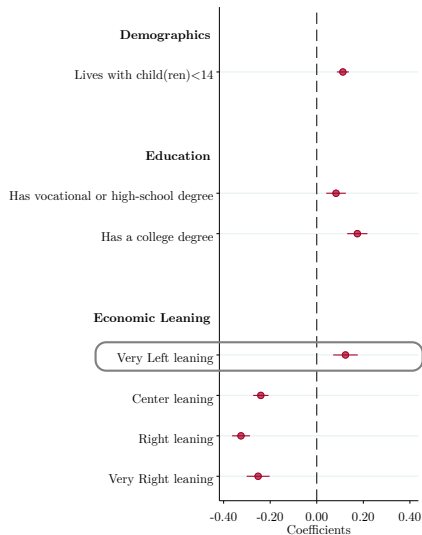
	High-income														Middle-income							
	Australia	Canada	Denmark	France	Germany	Italy	Japan	Poland	South Korea	Spain	United Kingdom	United States	Brazil	China	India	Indonesia	Mexico	South Africa	Turkey	Ukraine		
Increase in taxes on the wealthiest	68	62	75	59	70	69	69	66	62	76	72	73	62	68	64	67	61	74	64	65	82	71
Carbon tax* (increasing gasoline prices by 0.40cts/gallon)	63	59	48	60	66	61	76	56	68	78	69	63	58	75	78	77	71	81	73	79	73	69
Reduction in military spending	37	30	37	39	26	49	61	37	40	19	50	29	28	29	44	9	22	19	36	40	31	31
Additional public debt	28	32	24	31	22	30	22	35	21	31	34	31	26	30	33	46	37	32	26	21	26	17
Reduction in social spending	26	30	30	24	34	24	25	16	39	16	19	25	29	37	34	56	44	26	30	45	47	11
Increase in sales taxes	18	23	21	12	14	14	8	33	13	29	10	23	23	27	10	42	38	46	18	24	20	9

Support for main policies and individual characteristics [◀ Back](#)



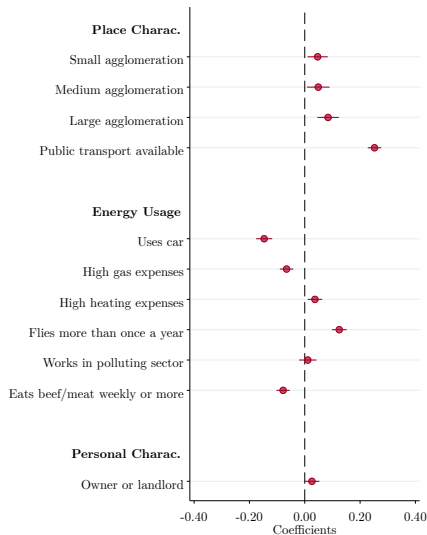
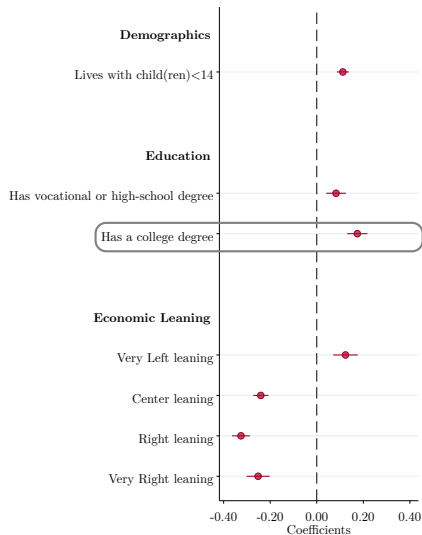
R^2 is 0.18 (0.09 without country fixed effects). Increases to 0.24 with large set of interactions (0.12 without country fixed effects)

Political leaning one of strongest predictors of views on CC

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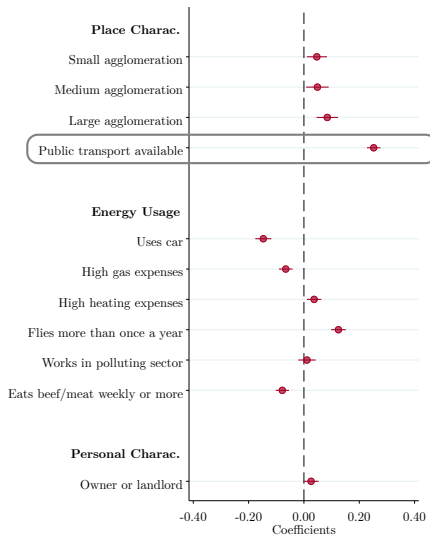
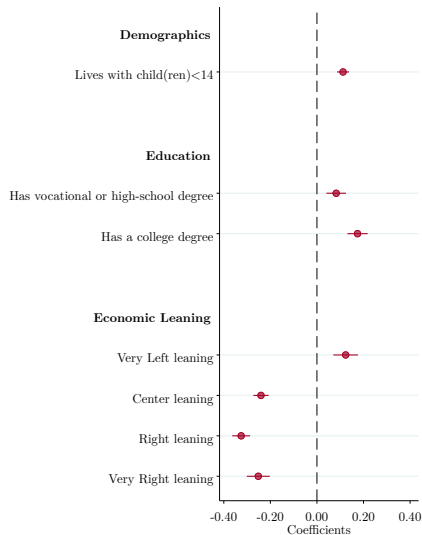
R^2 is 0.18 (0.09 without country fixed effects). Increases to 0.24 with large set of interactions (0.12 without country fixed effects)

College-educ. support more climate action in most countries

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R^2 is 0.18 (0.09 without country fixed effects). Increases to 0.24 with large set of interactions (0.12 without country fixed effects)

Access to public transport strongly correlated with support [◀ Back](#)



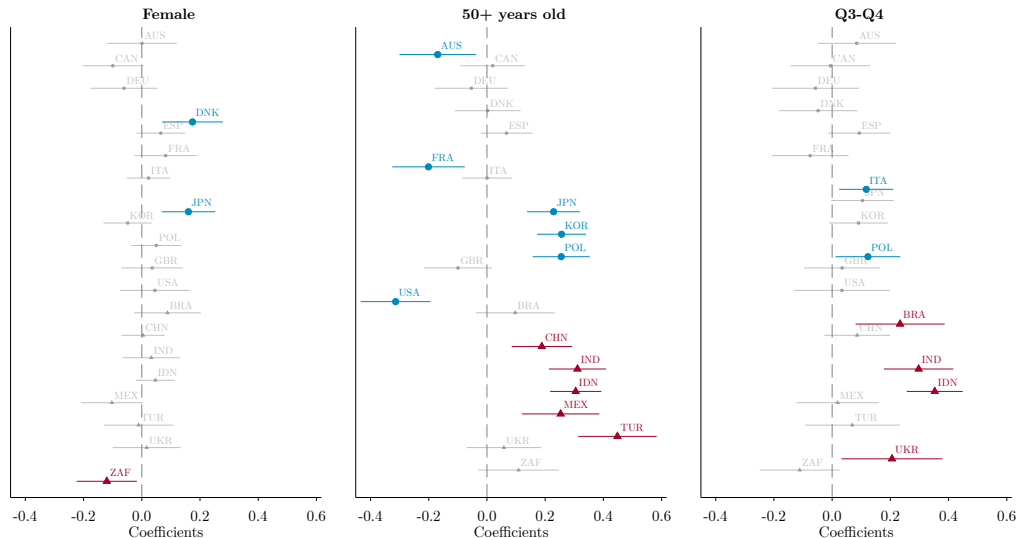
R^2 is 0.18 (0.09 without country fixed effects). Increases to 0.24 with large set of interactions (0.12 without country fixed effects)

Heterogeneous effects of gender, age, & income by country [◀ Back](#)

◦ Not significant, $p\text{-val} > 0.10$

● Nationally representative

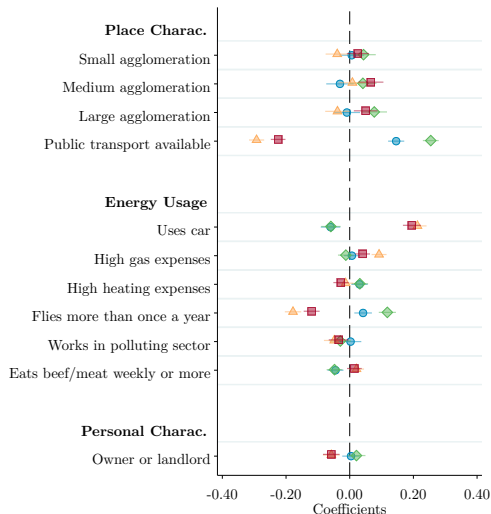
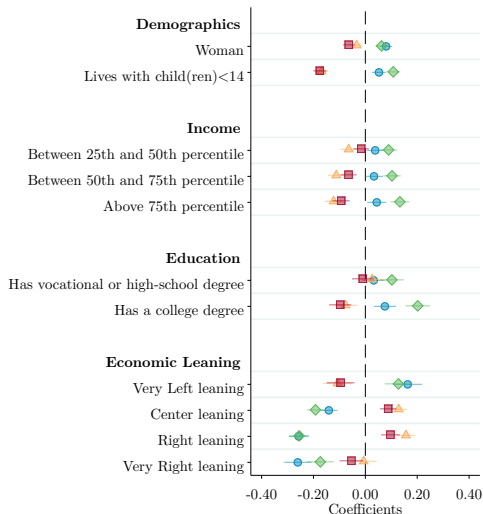
▲ Online representative



How do different respondents reason about climate policies?

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- Believes the policy would have positive econ. effects
- ▲ Believes own household would lose
- ◆ Believes the policy would reduce emissions
- Believes low-income earners would lose



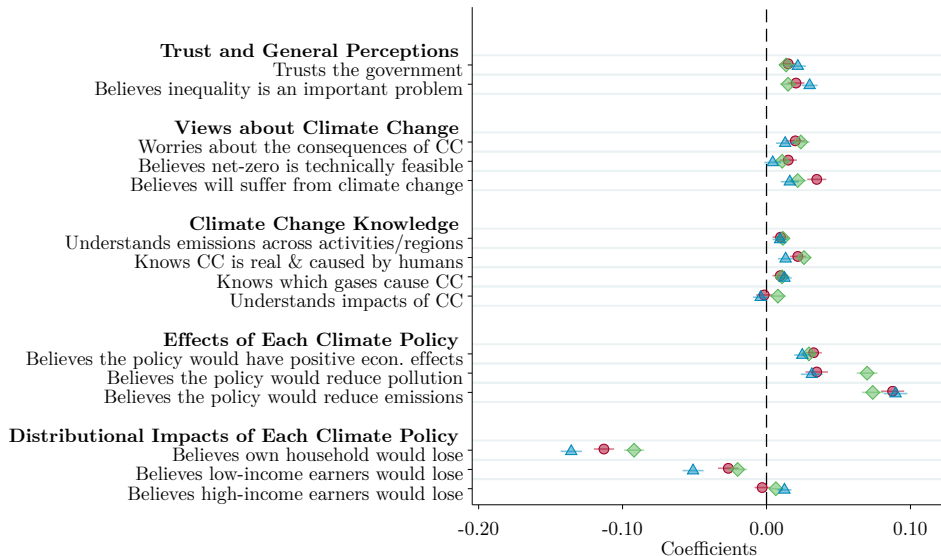
Correlation between support for three main policies and beliefs

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● Ban on combustion-engine cars

◆ Green infrastructure program

▲ Carbon tax with cash transfers



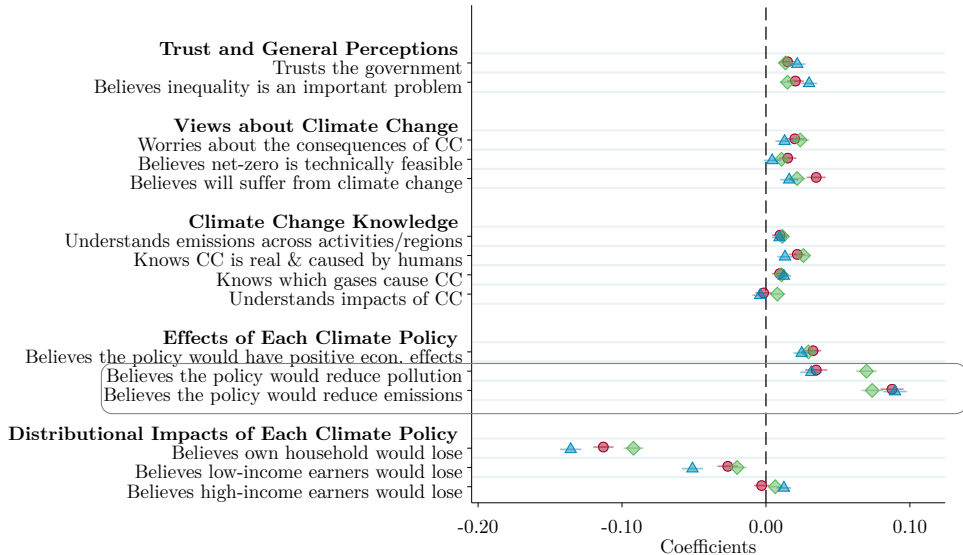
Beliefs in effectiveness explain 24% of variation in policy views

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● Ban on combustion-engine cars

◆ Green infrastructure program

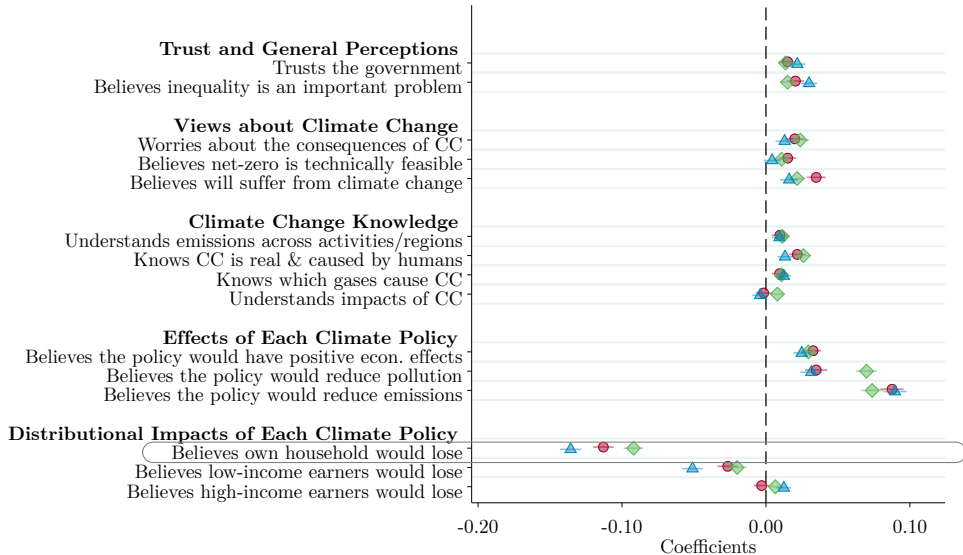
▲ Carbon tax with cash transfers



Belief in one's own loss explains 15% of variation in policy views

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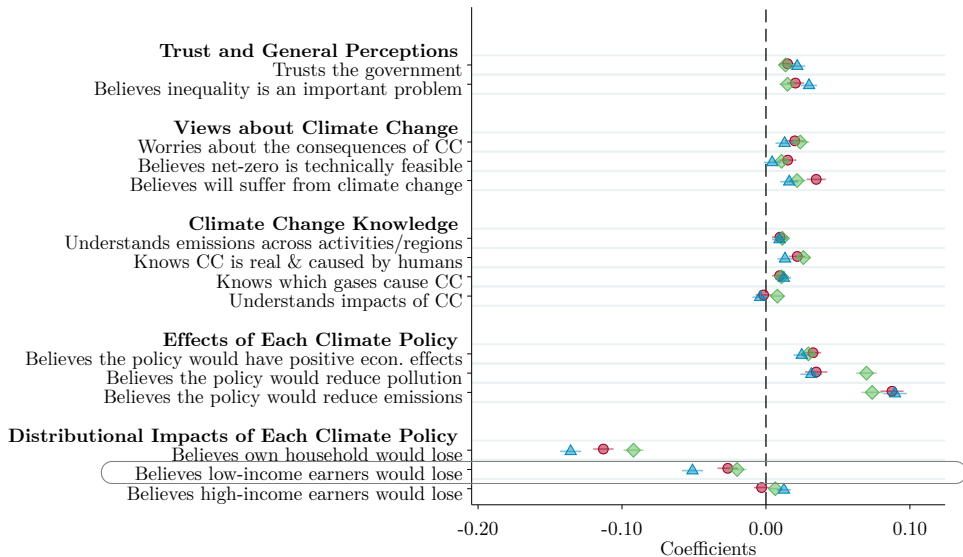
● Ban on combustion-engine cars ◆ Green infrastructure program ▲ Carbon tax with cash transfers



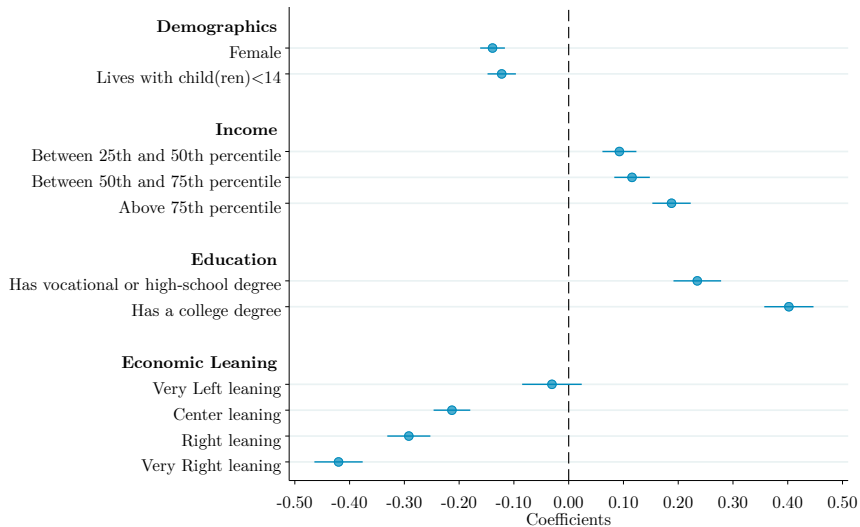
Perceived progressivity explains 8% of variation in policy views

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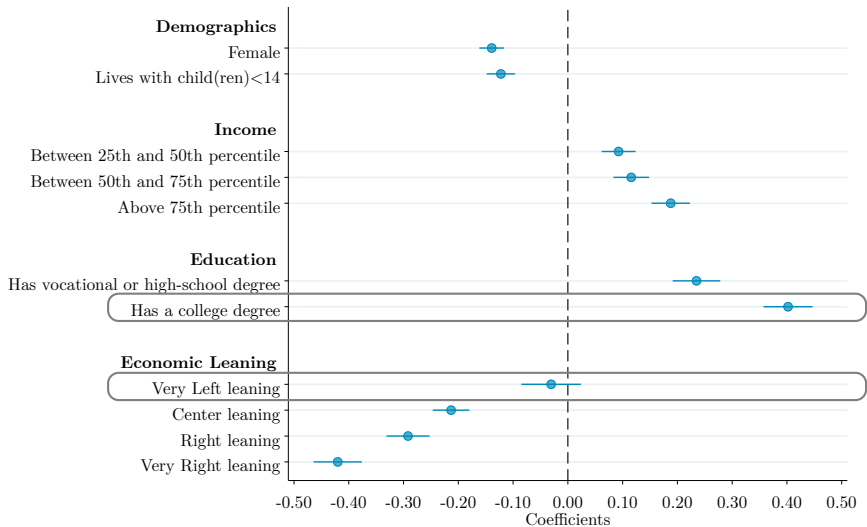
● Ban on combustion-engine cars ◆ Green infrastructure program ▲ Carbon tax with cash transfers



Correlation between knowledge and socioeco-characteristics [◀ Back](#)



Educated and left-leaning have better knowledge about CC

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Heterogeneous effect of age on knowledge across countries [◀ Back](#)

◦ Not significant, $p\text{-val} > 0.10$

● Nationally representative

▲ Online representative

