

Macrodiscontent Across Countries

Online Supplementary Materials

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A1 Survey Items Used to Estimate Public Political Discontent

Following Jennings et al. (2017) and Easton (1965), we conceptualize political discontent as the lack of diffuse political support among the public. This lack is in turn understood as encompassing low external efficacy, that is, perceptions of government unresponsiveness; a lack of trust in the political system; and perceptions of pervasive corruption. National and cross-national surveys have often included questions tapping such political discontent for over a half century, but the resulting data are both sparse, that is, unavailable for many countries and years, and incomparable, generated by many different survey items. We identified 111 such survey items that were asked in no fewer than five country-years in countries surveyed at least twice; these items were drawn from 388 different survey datasets. These items are listed in Table A1 below, along with the dispersion (α) and difficulty (β) scores estimated for each from the DCPO model. Lower values of dispersion indicate questions that better identify publics with a higher level of trust from those with lower. Items have one less difficulty score than the number of response categories.

To avoid data-entry errors by automating data collection, the `DCPOtools` R package was used to compile the responses to these questions. The current version of this software facilitates the entire practical data generation process: from facilitating the acquisition of original survey datasets and converting them into R standard format for quicker loading; through standardizing country names, identifying survey years, and extracting the desired survey items; to restructuring the resulting data for analysis with the DCPO model. The primary objective is to limit manual interventions, thereby maximizing reproducibility and reducing the error potential inherent in human-operated data preparation tasks. The survey dataset codes listed in Table A1 correspond to those used in that package.

The survey items in these source data were asked in a total of 136 different countries in at least two time points over 56 years, from 1968 to 2023, resulting in 8,957 country-year-item observations. The number of items observed for each country-year in the source data is displayed in Figure A1 and Figure A2 below. The PPD scores of country-years with more observed items are likely to be estimated more precisely. The estimates for country-years with fewer (or no) observed items rely more heavily (or entirely) on the random-walk prior and are therefore less certain.

Table A1: Survey Items Used to Estimate Public Political Discontent

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
trust_parties2	735	How much trust do you have in certain institutions? Political parties	1 tend to trust / 2 tend not to trust	1.06	0.04	eb
trust_parl2	734	How much trust do you have in certain institutions? National parliament	1 tend to trust / 2 tend not to trust	0.70	1.18	eb
trust_parl4	637	How much do you trust each of the following, or haven't you heard enough about them to say: Parliament?	0 not at all / 1 a little / 2 somewhat / 3 a lot	0.25	0.29, 1.34, 2.31	lb, asianb, afrob
trust_parties4	461	How much trust do you have in political parties?	1 none at all / 2 not very much trust / 3 quite a lot of trust / 4 a great deal of trust	0.21	0.28, 1.30, 2.24	lb, asianb, kobar, icenes, sasianb

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
big2	373	Would you say that this country is run by a few big interests looking out for themselves, or that it is run for the benefit of all the people?	1 run by a few big interests / 2 run for all the people	0.29	1.00	wvs, anes, lb, nsss
will2	296	Would you say that your country is governed by the will of the people?	1 yes / 2 no	0.62	1.16	gallup
trust_parl11	270	Using this card, please tell me on a score of 0-10 how much you personally trust each of the institutions I read out. 0 means you do not trust an institution at all, and 10 means you have complete trust. [Country's] parliament?	0 no trust / 123456789 / 10 complete trust	0.49	-0.76, -0.31, 0.34, 0.83, 1.18, 1.69, 1.98, 2.35, 2.70, 3.01	ess, issp, ress, fsdelection
trust_pol11	258	Using this card, please tell me on a score of 0-10 how much you personally trust each of the institutions I read out. 0 means you do not trust an institution at all, and 10 means you have complete trust. Politicians?	0 no trust / 123456789 / 10 complete trust	0.51	-1.41, -1.03, -0.39, 0.21, 0.66, 1.22, 1.55, 1.93, 2.33, 2.71	ess, ress, fsdelection
say5	246	People like me don't have any say about what the government does	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	1.00	-1.31, 0.50, 1.36, 2.99	bes, cnep, issp, ases, gles, icnl, belgiumes, aes, nzes, caucasusb
trust_parties11	236	Using this card, please tell me on a score of 0-10 how much you personally trust each of the institutions I read out. 0 means you do not trust an institution at all, and 10 means you have complete trust. Political parties?	0 no trust / 123456789 / 10 complete trust	0.50	-1.37, -1.00, -0.37, 0.23, 0.67, 1.24, 1.58, 1.97, 2.37, 2.75	ess, ress, fsdelection
trust_parl5	217	How much confidence do you have in: Parliament	1 complete confidence / 2 a great deal of confidence / 3 some confidence / 4 very little confidence / 5 no confidence at all	0.42	-0.46, 0.63, 1.55, 2.33	issp, lits, som, pgss
corrupt4	217	There is corruption in national institutions in	1 totally agree / 2 tend to agree / 3 tend to disagree / 4 totally disagree	0.83	-1.51, -0.07, 2.14	eb
care4c	177	The interests of people like you are well taken into account by the political system in	1 totally agree / 2 tend to agree / 3 tend to disagree / 4 totally disagree	1.06	-0.81, 1.45, 3.17	eb, feb
right4	159	How much of the time do you think you can trust the government in Washington to do what is right?	1 none of the time / 2 some of the time / 3 most of the time / 4 just about always	0.55	-0.48, 1.27, 3.00	eb, anes, lb, asianb
corrupt_pol4	135	Now I am going to read you a list of things that may be problems in our country. Please tell me if you think it is a very big problem, a moderately big problem, a small problem or not a problem at all: corrupt political leaders	1 very big problem / 2 moderately big problem / 3 small problem / 4 not a problem at all	0.75	-2.10, -0.67, 0.92	pew

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
corrupt_officials4126		Taking into account your own experience or what you have heard, corruption among public officials is	1 very common / 2 common / 3 uncommon / 4 very uncommon	1.10	-1.99, -0.04, 1.93	amb
care7	123	Those who govern this country are interested in what people like you think	1 strongly disagree / 23456 / 7 strongly agree	0.51	-0.17, 0.37, 0.94, 1.46, 1.90, 2.35	amb
trust_parties5	120	To what extent do you trust the following institutions? Parliament	1 complete distrust / 2 some distrust / 3 neither trust nor distrust / 4 some trust / 5 complete trust	0.40	-0.58, 0.51, 1.42, 2.15	lits, som
rigged2	114	Speaking generally, do you think that the elections in this country are clean or rigged?	1 are clean / 2 are rigged	0.14	1.69	lb
say5a	113	And how much would you say that the political system in [country] allows people like you to have a say in what the government does?	1 not at all / 2 very little / 3 some / 4 a lot / 5 a great deal	0.48	-0.39, 0.57, 1.65, 2.67	ess, wvs
corrupt4a	111	How widespread do you think the problem of corruption is in	1 very widespread / 2 fairly widespread / 3 fairly rare / 4 very rare	0.67	-1.06, 0.47, 2.37	eb
corrupt_party2	111	Do you think that the giving and taking of bribes, and the abuse of positions of power for personal gain, are widespread among any of the following? Political parties	0 not mentioned / 1 mentioned	1.54	1.31	eb
right5	109	Most of the time we can trust people in government to do what is right	1 Strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 Strongly disagree	0.70	-1.40, 0.55, 1.57, 2.91	issp, usgss
get5	108	Most politicians are in politics only for what they can get out of it personally	1 agree strongly / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 disagree strongly	0.49	-0.78, 0.37, 1.11, 2.15	issp
corrupt_pol2	106	Do you think that the giving and taking of bribes, and the abuse of positions of power for personal gain, are widespread among any of the following? Politicians at the national level	0 not mentioned / 1 mentioned	1.11	1.47	eb
say4	103	However you look at it, people like me have no influence on what the government does	1 completely agree / 2 tend to agree / 3 tend to disagree / 4 completely disagree	1.14	-1.97, 0.19, 2.24	allbus, uspew, cnep, itanes, jgss, asianb, kobar, cnes, canadianes, cdem, pewrel, neb
satis_gov21	99	Here is a scale for ranking how our system of government works. Where on this scale would you put our current system of governing with free elections and many parties?	minus-100 the worst / -90 to 90 / 100 the best	0.43	-0.49, -0.28, 0.13, 0.38, 0.62, 1.13, 1.31, 1.51, 1.74, 1.93, 2.26, 2.37, 2.50, 2.62, 2.72, 3.04, 3.13, 3.25, 3.43, 3.59	neb
trust_mp7	87	How much trust do you have in Members of Parliament in general?	1 no trust / 23456 / 7 a great deal of trust	0.45	-0.49, 0.22, 0.87, 1.55, 2.12, 2.64	besip, neb
sat_officials4	87	How satisfied are you with the way the people now in national office are handling the country's affairs?	1 very satisfied / 2 fairly satisfied / 3 fairly dissatisfied / 4 very dissatisfied	0.43	-0.46, 1.24, 2.53	wvs

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
big4a	77	Generally the state/government is run for the benefit of all the people	1 completely agree / 2 mostly agree / 3 mostly disagree / 4 completely disagree	0.33	0.81, 1.75, 2.57	pew
trust_parties7	77	To what extent do you trust each of these political institutions to look after your interests? Political parties	1 no trust / 23456 / 7 great trust	0.45	-0.61, -0.06, 0.59, 1.34, 1.97, 2.48	neb
care5a	74	The government does not care much about what people like me think	1 disagree strongly / 2 somewhat disagree / 3 neither agree nor disagree / 4 somewhat agree / 5 agree	0.76	-1.16, 0.35, 1.07, 2.39	issp, canadianes
sat_parties4	74	In your opinion, how is the work the political parties are doing	1 very good / 2 good / 3 bad / 4 very bad	0.44	-0.90, 1.05, 2.57	politbarometer, lb
say5b	73	And how much would you say that the political system in [country] allows people like you to have an influence on politics?	1 not at all / 2 very little / 3 some / 4 a lot / 5 a great deal	0.82	-2.39, -0.85, 0.90, 2.44	ess
corrupt_official	70	And in your opinion, about how many public officials in [COUNTRY] are involved in corruption?	1 almost none / 2 a few / 3 some / 4 quite a lot / 5 almost all	0.60	-0.93, 0.53, 1.70, 3.14	issp
corrupt_pol5a	70	In your opinion, about how many politicians in [COUNTRY] are involved in corruption?	1 almost none / 2 a few / 3 some / 4 quite a lot / 5 almost all	0.54	-0.84, 0.44, 1.46, 2.71	issp
care4a	64	In your opinion are politicians concerned with what people like yourself think?	1 a lot / 2 some / 3 a little / 4 not at all	0.57	-0.17, 1.20, 2.33	pew, uspew, fnes
say5e	60	The ordinary person has no influence on politics	1 strongly disagree / 2 disagree / 3 neither agree nor disagree / 4 agree / 5 strongly agree	1.10	-1.85, 0.43, 1.53, 3.69	issp, ines
will2a	59	Which of the following words describes your perception of the government of [this country]? READ OUT. Responds to the will of the people	0 not mentioned / 1 mentioned	0.11	0.59	gallup
care5	55	I don't think public officials care much what people like me think	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.65	-1.42, 0.06, 0.94, 2.37	ases, asiab, icnl, aes, caucasusb
corrupt_official	52	How widespread do you think bribe taking and corruption is in this country?	1 almost no public officials engaged in it / 2 a few are / 3 most are / 4 almost all public officials are engaged in it	0.44	-0.49, 1.24, 2.42	wvs
resp_gov4	52	How well do you think the government responds to what people want?	1 very responsive / 2 somewhat responsive / 3 not very responsive / 4 not responsive	1.09	-1.98, 1.15, 4.30	asianb
corrupt_pol5	49	Thinking about politicians of [COUNTRY], how many to you think are involved in corruption?	1 none / 2 less than half / 3 half of the politicians / 4 more than half / 5 all	0.75	-1.67, -0.01, 1.12, 2.66	amb
parties7	48	To what extent do political parties listen to people like you?	1 not at all / 23456 / 7 a lot	0.51	-0.86, -0.23, 0.50, 1.15, 1.72, 2.30	amb
rep_parties7	47	Thinking about political parties in general, to what extent do [nationality] political parties represent their voters well?	1 not at all / 23456 / 7 a lot	0.44	-0.58, 0.06, 0.81, 1.47, 2.02, 2.54	amb
corrupt_gov4a	43	How widespread corruption in national government	1 almost everyone is corrupt / 2 most officials are corrupt / 3 not a lot of officials are corrupt / 4 hardly anyone is involved	0.39	-0.47, 0.88, 2.21	asianb

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
care5d	41	Some people say that political parties in Australia care what ordinary people think. Others say that political parties in Australia don't care what ordinary people think. Where would you place your view on this scale from 1 to 5?	1 political parties care what ordinary people think / 234 / 5 political parties don't care what ordinary people think	1.29	-1.67, 0.22, 2.14, 3.54	cses, aes, nzes
care4	41	Politicians don't care much about what people like me think	1 strongly agree / 2 agree / 4 disagree / 5 strongly disagree	0.56	-0.33, 1.11, 2.34	pew, cnep, fsdelection
care5f	37	Politicians don't care much about what people like me think	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.73	-1.51, 0.17, 0.96, 2.40	cnep, nzes
care4f	36	Do you think that the political leaders are concerned about the issues that interest you?	1 a lot / 2 fairly / 3 a little / 4 not at all	0.74	-1.59, -0.31, 1.82	lb
say5c	35	Generally speaking, people like me don't have the power to influence government policy or actions	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.92	-2.07, -0.22, 0.94, 2.81	asiab
big5b	34	Do you think that the leaders of political parties in this country are more concerned with serving the interests of the people, or more concerned with advancing their own political ambitions, or haven't you heard enough to say?	1 more to serve their own political ambitions – strongly agree / 2 more to serve their own political ambitions - agree / 3 neither agree nor disagree / 4 more to serve the people – agree / 5 more to serve the people – strongly agree	0.79	-1.33, -0.07, 0.33, 1.66	afrob
corrupt_mp4	33	How many are corrupt? Members of Parliament	1 none / 2 some of them / 3 most of them / 4 all of them	0.08	0.73, 2.05, 2.88	lits
corrupt_officials4	33	How many are corrupt? Government officials	1 none / 2 some of them / 3 most of them / 4 all of them	0.19	0.57, 2.08, 2.97	lits
care2c	33	Which statement comes closer to your own views — even if neither is exactly right. Most government officials care what people like me think [OR] Most government officials DO NOT care what people like me think	1 most government officials care / 2 most government officials do not care		NA	pew
corrupt_gov5	33	There is widespread corruption among those who govern the country	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.39	-0.41, 0.41, 1.04, 2.12	asiab
right4e	33	Please indicate to what extent you trust the following institutions to operate in the best interests of society. Parliament	1 trust a lot / 2 trust to a degree / 3 don't really trust / 4 don't trust at all	0.78	-0.38, 1.76, 3.40	asiab
touch5a	33	Generally speaking, the people who are elected to the [NATIONAL PARLIAMENT] stop thinking about the public once they're elected	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.48	-0.77, 0.32, 1.06, 2.18	asiab
say4e	32	People like me have too little influence in what the Government does	1 strongly agree / 2 tend to agree / 3 tend to disagree / 4 strongly disagree	1.17	-1.83, -0.30, 1.70	eb
say4f	32	Voting gives people like me some say about how government runs things	1 completely agree / 2 mostly agree / 3 mostly disagree / 4 completely disagree	2.02	-0.10, 3.51, 6.01	pewrel, uspew
vote5	31	Political parties are only interested in my vote and not in my opinions	1 completely agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 completely disagree	0.70	-1.58, 0.19, 0.98, 2.42	bsa, bes, gles, icnl, belgiumes, nores

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
say2	27	People like me don't have any say about what the government does	1 agree / 2 disagree	0.59	1.17	issp, anes, npes, cnes
corrupt_pol4a	27	Most politicians are corrupt. Does this statement describe	1 very well / 2 somewhat well / 3 not too well / 4 not well at all	0.48	0.48, 1.33, 2.20	pew
right4d	27	Please indicate to what extent you trust the following institutions to operate in the best interests of society. Your central government	1 trust a lot / 2 trust to a degree / 3 don't really trust / 4 don't trust at all	0.78	0.31, 2.33, 4.10	asiab
trust_pol4	26	How much trust do you have in Danish politicians in general	1 great trust / 2 trust / 3 little trust / 4 hardly any trust	0.38	-0.88, 0.69, 1.82	som, dkes
care2a	24	Do you ever feel that the people running the country don't really care what happens to people like you	1 yes / 2 no	2.08	0.05	eb
right4b	22	How much do you trust British governments of any party to place the needs of the nation above the interests of their own political party?	1 almost always / 2 most of time / 3 some of time / 4 almost never	0.41	-0.53, 0.70, 1.83	bsa
care11	21	How much would you say that politicians care what people like you think?	0 not at all / 123456789 / 10 completely	0.60	-1.81, -1.41, -0.70, -0.08, 0.38, 0.88, 1.24, 1.69, 2.14, 2.52	ess
say11a	21	And how much would you say that the political system in [country] allows people like you to have a say in what the government does?	0 not at all / 123456789 / 10 completely	0.75	-1.91, -1.52, -0.78, -0.15, 0.33, 0.91, 1.32, 1.88, 2.41, 2.81	ess
say11b	21	And how much would you say that the political system in [country] allows people like you to have an influence on politics?	0 not at all / 123456789 / 10 completely	0.56	-1.37, -1.02, -0.40, 0.12, 0.50, 0.94, 1.28, 1.72, 2.15, 2.52	ess
touch4	21	Those elected to parliament soon lose touch with the problems of ordinary people	1 strongly agree / 2 somewhat agree / 3 somewhat disagree / 4 strongly disagree	0.78	-1.43, 0.01, 1.72	uspew, fsdelection, itanes
care2b	20	Some people say that the deputies and senators are concerned about what people think. Others say that they aren't. Which statement is closest to your way of thinking?	1 the deputies and senators are concerned about what people think / 2 the deputies and senators aren't concerned about what people think		NA	npes, lb
equal4	19	Under our present system of government do you think people like yourself are treated equally and fairly by government	1 definitely agree / 2 somewhat agree / 3 disagree somewhat / 4 definitely disagree	0.51	-0.11, 1.36, 2.51	neb
corrupt_gov3	19	Do you think that quite a few of the people running the government are crooked, not very many are, or do you think hardly any of them are crooked?	1 quite a few / 2 not many / 3 hardly any	0.59	-0.04, 1.41	anes
vote2	19	Parties are only interested in people's votes, not in their opinions	1 agree / 2 disagree	0.97	0.91	anes, npes
care4b	19	Government officials seriously consider citizens' opinions	1 strongly agree / 2 agree / 3 disagree / 4 strongly disagree	0.53	-0.69, 0.80, 2.21	fsdelection, kobar, arabb

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
touch5	18	Those elected to Parliament soon lose touch with the people	1 agree strongly / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 disagree strongly	0.56	-1.51, 0.05, 0.70, 2.11	bsa, bes, icnl
say4b	18	Under our present system of government how much influence do you think people like yourself can have on government?	1 a lot of influence / 2 some influence / 3 not much influence / 4 no influence	0.86	-1.87, 0.07, 1.71	neb
say4d	18	I can have influence on the national government	1 agree / 2 quite agree / 3 rather disagree / 4 disagree	0.87	-0.97, 0.03, 1.45	eurasiab, fsdelection
right4c	17	And how much do you trust politicians of any party in Britain to tell the truth when they are in a tight corner?	1 just about always / 2 most of the time / 3 only some of the time / 4 almost never	0.62	-1.56, -0.29, 1.29	bsa
big2a	16	In general, would you say the government is run for the benefit of all the people in	1 benefit all / 2 benefit few groups	0.51	1.26	pew
big4b	16	How much of the time do you think elected leaders, like parliamentarians or local councilors, try their best: To look after the interests of people like you?	0 never / 1 some of the time / 2 most of the time / 3 always	0.38	-0.73, 0.25, 1.83	afrob
say4a	16	How much of the time do you think elected leaders, like parliamentarians or local councilors, try their best: To listen to what people like you have to say?	0 never / 1 some of the time / 2 most of the time / 3 always	0.26	-0.61, 0.32, 1.69	afrob
care5b	15	Politicians do not care about what people like me think	1 completely agree / 2 somewhat agree / 3 partly agree-disagree / 4 somewhat disagree / 4 completely disagree	0.43	-0.75, 0.32, 1.02, 1.91	bes, besip, gles, autnes
right2	15	The people who run the country are more concerned with themselves than with the good of the country	1 tend to agree / 2 tend to disagree	0.41	0.70	eb
care4d	14	Politicians don't care much about what people like me think	1 completely agree / 2 tend to agree / 3 tend to disagree / 4 completely disagree	0.93	-1.38, 0.44, 2.07	allbus, belgiumes, cnes, canadanes, cdem
care2	13	I don't think public officials care much what people like me think	1 agree / 2 disagree	0.79	0.47	politbarometer, anes, cispol
care3	13	Public officials don't care much what people like me think	1 agree / 2 disagree / 3 neither agree nor disagree	0.51	0.78, 1.16	anes
say3	13	People like me don't have any say about what the government does	1 agree / 2 disagree / 3 neither agree nor disagree	0.58	1.12, 1.41	anes
care5e	13	If people like me let the politicians know what we think, then they will take our opinions into account	1 completely agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 completely disagree	1.40	-3.25, -1.17, 0.40, 2.67	dkes, belgiumes
care11a	12	How much weight do politicians attach to opinions presented to them by ordinary people	0 none at all / 123456789 / 10 very large	0.58	-1.71, -1.41, -0.85, -0.31, 0.15, 0.72, 1.04, 1.45, 1.89, 2.34	cid
trust_mp4	12	In general, how much confidence do you have in the way the following groups do their job? - Parliamentarians	1 very high trust / 2 quite high trust / 3 quite low trust / 4 very low trust	0.51	-1.14, 0.41, 1.58	som

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
trust_pol5a	12	Do you think that politicians are in general trustworthy, that many of them are trustworthy, some are trustworthy, few, or perhaps none?	1 in general / 2 many / 3 some / 4 few / 5 none	0.80	-1.12, 0.18, 1.94, 3.73	icenes
touch2	10	Generally speaking those we elect to Congress in Washington lose touch with people pretty quickly	1 agree / 2 disagree	1.42	-0.17	anes, npes
right5a	10	You can generally trust that our political leaders make the right decisions for the country	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	1.04	-1.98, 0.51, 1.52, 2.95	dkes
say5d	10	People like me can vote, but we can't do anything else to influence politics	1 completely agree / 2 somewhat agree / 3 yes and no / 4 somewhat disagree / 5 completely disagree	1.28	-0.57, 1.05, 1.33, 2.95	nores
big5	10	Would you say the government is run by a few big interests looking out for themselves, or that it is run for the benefit of all the people?	1 entirely run for the big interests / 2 mostly run for the big interests / 3 about half and half / 4 mostly run for the benefit of all / 5 entirely run for the benefit of all	0.57	-1.06, 0.43, 1.60, 2.82	nsss, aes
right4a	10	In general, do you feel that the people in government are too often interested in looking after themselves, or do you feel that they can be trusted to do the right thing nearly all the time?	1 Usually look after themselves / 2 Sometimes look after themselves / 3 Sometimes can be trusted to do the right thing / 4 Usually can be trusted to do the right thing	0.59	0.12, 1.10, 1.79	aes
big5a	10	The New Zealand government is largely run by a few big interests	1 strongly agree / 2 agree / 3 neither / 4 disagree / 5 strongly disagree	0.57	-0.79, 0.74, 1.33, 2.55	nzes
self_min4	9	Ministers and state secretaries are primarily concerned about their personal interests	1 fully agree / 2 agree / 3 disagree / 4 fully disagree	0.66	-0.79, 1.48, 2.73	npes
trust_pol5	8	Danish politicians in general are trustworthy	1 strongly agree / 2 agree / 3 neither agree nor disagree / 4 disagree / 5 strongly disagree	0.05	0.00, 0.51, 0.90, 1.15	fsdelection, dkes, formpubop
say7	8	People like me don't have any say about what the government does	1 strongly agree / 2 agree / 3 somewhat agree / 4 neither agree nor disagree / 5 somewhat disagree / 6 disagree / 7 strongly disagree	0.50	-0.62, 0.20, 0.63, 0.92, 1.37, 2.13	norcs, eass, jgss
big4c	8	The nation is run by a powerful few and ordinary citizens cannot do much about it	1 strongly agree / 2 somewhat agree / 3 somewhat disagree / 4 strongly disagree	1.01	-1.23, 1.08, 3.69	asianb
corrupt_gov4	8	Now I am going to read you a list of things that may be problems in our country. Please tell me if you think it is a very big problem, a moderately big problem, a small problem or not a problem at all: government corruption	1 very big problem / 2 moderately big problem / 3 small problem / 4 not a problem at all	0.30	-1.90, -0.90, 0.15	pew
trust_par17	7	Please tell me for each institution or organisation how much trust you place in it: Bundestag	1 no trust at all / 23456 / 7 great deal of trust	0.59	-0.85, 0.04, 0.89, 1.69, 2.36, 3.03	allbus
right5b	7	You can trust the government to do what is right most of the time	1 strongly agree / 2 agree / 3 neither / 4 disagree / 5 strongly disagree	0.53	-0.64, 1.20, 1.84, 3.02	nzes
say2a	6	The average person has considerable influence on politics	1 agree / 2 disagree	1.15	0.00	issp

Table A1: Survey Items Used to Estimate Public Political Discontent (*continued*)

Survey Item Code	Country-Years	Question Text	Response Categories	Dispersion	Difficulties	Survey Dataset Codes*
trust_parl3	6	I am going to name some institutions in this country. Would you say you have a great deal of confidence, only some confidence, or hardly any confidence at all in them?	1 a great deal of confidence / 2 only some confidence / 3 hardly any confidence at all	0.40	0.10, 1.72	pgss
vote4	6	Political parties are only interested in people's votes, not their opinions	1 strongly agree / 2 somewhat agree / 3 somewhat disagree / 4 strongly disagree	0.59	-0.79, 0.51, 1.62	fsdelection, itanes
corrupt_pol4b	6	How widespread do you think corruption is among Icelandic politicians?	1 very widespread / 2 quite widespread / 3 not very widespread / 4 hardly happens at all	0.39	-0.32, 0.94, 1.90	icenes
say4h	5	People like me have no influence on what the different governments do	1 strongly agree / 2 agree / 3 disagree / 4 strongly disagree	1.16	-0.43, 0.58, 1.77	formpubop

* Survey dataset codes correspond to those used in the DCPOtools R package.

Table A2: Source Survey Information

Survey Dataset Code*	Citation
aes1993	Jones, Roger; McAllister, Ian; Denmark, David; Gow, David, 2017, "Australian Election Study, 1993", doi:10.4225/87/ZZ3NOB, ADA Dataverse, V1, UNF:6:3C/DZ94Ci0V2mFL02PVpXw==
aes1996	Jones, Roger; McAllister, Ian; Gow, David, 2017, "Australian Election Study, 1996", doi:10.4225/87/NSDHWM, ADA Dataverse, V1, UNF:6:V05mNiOGYLZnBaihME2SIA==
aes1998	Bean, Clive; Gow, David; McAllister, Ian, 2017, "Australian Election Study, 1998", doi:10.4225/87/FFBWUU, ADA Dataverse, V2, UNF:6:pmAXB4lfmfvlsqWTWKOkg==
aes2001	Bean, Clive; Gow, David; McAllister, Ian, 2017, "Australian Election Study, 2001", doi:10.4225/87/CALXMK, ADA Dataverse, V1, UNF:6:8dudxHV83HO/5+itv3DNjA==
aes2004	Bean, Clive; McAllister, Ian; Gibson, Rachel; Gow, David, 2017, "Australian Election Study, 2004", doi:10.4225/87/G9ITIO, ADA Dataverse, V1, UNF:6:Qer+KzJrJC+zIC3Gm6qDmw==
aes2007	Bean, Clive; McAllister, Ian; Gow, David, 2017, "Australian Election Study, 2007", doi:10.4225/87/ZBUOW0, ADA Dataverse, V1, UNF:6:D7a6fhN+szVMSQF9xIh5+A==
aes2010	McAllister, Ian; Bean, Clive; Gibson, Rachel Kay; Pietsch, Juliet, 2017, "Australian Election Study, 2010", doi:10.4225/87/CYJNSM, ADA Dataverse, V2, UNF:6:3iyzr2dBihOrVkbafFkRZA==
aes2013	Bean, Clive; McAllister, Ian; Pietsch, Juliet; Gibson, Rachel Kay, 2017, "Australian Election Study, 2013", doi:10.4225/87/WDBBAS, ADA Dataverse, V3, UNF:6:6gMySFLvbEH1ccG58om4Sg==
aes2016	McAllister, Ian; Makkai, Toni; Bean, Clive; Gibson, Rachel Kay, 2017, "Australian Election Study, 2016", doi:10.4225/87/7OZCZA, ADA Dataverse, V2, UNF:6:TNnUHDn0ZNSIIM94TQphWw==
aes2019	McAllister, Ian; Bean, Clive; Gibson, Rachel; Makkai, Toni; Sheppard, Jill; Cameron, Sarah, 2019, "Australian Election Study, 2019", doi:10.26193/KMAMMW, ADA Dataverse, V2
afrob2	Afrobarometer, 2006, Afrobarometer Merged Round 2 Data (16 countries) (2004) [Dataset]
afrob3	Afrobarometer, 2008, Afrobarometer Merged Round 3 Data (18 countries) (2005) [Dataset]
afrob4	Afrobarometer, 2010, Afrobarometer Merged Round 4 Data (20 countries) (2008) [Dataset]
afrob5	Afrobarometer, 2015, Afrobarometer Merged Round 5 Data (34 countries) (2011-2013) [Dataset]
afrob6	Afrobarometer, 2016, Afrobarometer Merged Round 6 Data (36 countries) (2016) [Dataset]
afrob7	Afrobarometer, 2020, Afrobarometer Merged Round 7 Data (34 countries) (2019) [Dataset]
afrob8	Afrobarometer, 2023, Afrobarometer Merged Round 8 Data (34 countries) (2022) [Dataset]
allbus	GESIS - Leibniz Institute for the Social Sciences (2020): German General Social Survey (ALLBUS) — Cumulation 1980-2018. GESIS Data Archive, Cologne. ZA5276 Data file Version 1.0.0, https://doi.org/10.4232/1.13483
amb_argentina2018	LAPOP (2020) Argentina LAPOP AmericasBarometer 2018 v1.0 [Dataset]
amb_argentina2021	LAPOP (2023) Argentina LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_argentina2023	LAPOP (2023) Argentina LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_belize2023	LAPOP (2023) Belize LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_bolivia2021	LAPOP (2022) Bolivia LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_bolivia2023	LAPOP (2023) Bolivia LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_brazil2021	LAPOP (2022) Brazil LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_brazil2023	LAPOP (2023) Brazil LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_canada2021	LAPOP (2022) Canada LAPOP AmericasBarometer 2021 v1.0 [Dataset]
amb_canada2023	LAPOP (2023) Canada LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_chile2021	LAPOP (2022) Chile LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_chile2023	LAPOP (2023) Chile LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_colombia2021	LAPOP (2022) Colombia LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_colombia2023	LAPOP (2023) Colombia LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_combo	LAPOP (2020) 2004-2018 LAPOP AmericasBarometer Merge, v1.0FREE [Dataset]
amb_costarica2021	LAPOP (2022) Costa Rica LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_costarica2023	LAPOP (2023) Costa Rica LAPOP AmericasBarometer 2023 v1.0 [Dataset]

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
amb_dominicanrepublic2021	LAPOP (2022) Dominican Republic LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_dominicanrepublic2023	LAPOP (2023) Dominican Republic LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_ecuador2018	LAPOP (2020) Ecuador LAPOP AmericasBarometer 2018 v1.0 [Dataset]
amb_ecuador2021	LAPOP (2022) Ecuador LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_ecuador2023	LAPOP (2023) Ecuador LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_elsalvador2021	LAPOP (2022) El Salvador LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_elsalvador2023	LAPOP (2023) El Salvador LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_guatemala2021	LAPOP (2022) Guatemala LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_guatemala2023	LAPOP (2023) Guatemala LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_guyana2021	LAPOP (2022) Guyana LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_haiti2021	LAPOP (2022) Haiti LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_haiti2023	LAPOP (2023) Haiti LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_honduras2021	LAPOP (2022) Honduras LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_honduras2023	LAPOP (2023) Honduras LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_jamaica2021	LAPOP (2022) Jamaica LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_jamaica2023	LAPOP (2023) Jamaica LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_mexico2021	LAPOP (2022) Mexico LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_mexico2023	LAPOP (2023) Mexico LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_nicaragua2021	LAPOP (2022) Nicaragua LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_panama2018	LAPOP (2020) Panama LAPOP AmericasBarometer 2018 v1.0 [Dataset]
amb_panama2021	LAPOP (2022) Panama LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_panama2023	LAPOP (2023) Panama LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_paraguay2021	LAPOP (2022) Paraguay LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_paraguay2023	LAPOP (2023) Paraguay LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_peru2021	LAPOP (2022) Peru LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_peru2023	LAPOP (2023) Peru LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_suriname2023	LAPOP (2023) Surinam LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_uruguay2018	LAPOP (2020) Uruguay LAPOP AmericasBarometer 2018 v1.0 [Dataset]
amb_uruguay2021	LAPOP (2022) Uruguay LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_uruguay2023	LAPOP (2023) Uruguay LAPOP AmericasBarometer 2023 v1.0 [Dataset]
amb_us2010	LAPOP (2020) United States LAPOP AmericasBarometer 2010 v1.0 [Dataset]
amb_us2018	LAPOP (2020) United States LAPOP AmericasBarometer 2018 v1.0 [Dataset]
amb_us2021	LAPOP (2022) United States LAPOP AmericasBarometer 2021 v1.2 [Dataset]
amb_us2023	LAPOP (2023) United States LAPOP AmericasBarometer 2023 v1.0 [Dataset]
anes_combo	American National Election Studies. 2018. ANES Time Series Cumulative Data File [dataset and documentation]. December 2018 version. www.electionstudies.org
arabb1	Arab Barometer, 2019, Arab Barometer Wave 1, 2006-2009 [Dataset]
arabb2	Arab Barometer, 2019, Arab Barometer Wave 2, 2010-2012 [Dataset]
ases2000	Inoguchi, Takashi. Asia Europe Survey (ASES): A Multinational Comparative Study in 18 Countries, 2001. ICPSR22324-v1. Ann Arbor, MI: Inter-university Consortium of Political and Social Research [distributor], 2008-06-24. http://doi.org/10.3886/ICPSR22324.v1
asiab2003	University of Tokyo. Institute of Oriental Culture. AsiaBarometer, 2003. Inter-university Consortium for Political and Social Research [distributor], 2007-11-13. https://doi.org/10.3886/ICPSR04300.v2
asiab2005	Inoguchi, Takashi. AsiaBarometer, 2005. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-02-24. https://doi.org/10.3886/E149101V5
asiab2006	Inoguchi, Takashi. AsiaBarometer, 2006. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-02-24. https://doi.org/10.3886/E163441V1
asiab2007	Inoguchi, Takashi. AsiaBarometer, 2007. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-02-25. https://doi.org/10.3886/E163461V2
asiab2008	Inoguchi, Takashi. AsiaBarometer, 2008. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2022-03-03. https://doi.org/10.3886/E163481V2
asianb1	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 1 Merge [Dataset], September 6, 2017
asianb2	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 2 Merge, 3rd Release [Dataset], July 24, 2017
asianb3	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 3 Merge [Dataset], August 18, 2017
asianb4	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 4 Merge, v1.5 [Dataset], December 11, 2018
asianb5_australia	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Australia [Dataset], August 3, 2021
asianb5_india	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 India [Dataset], September 5, 2022
asianb5_indonesia	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Indonesia [Dataset], September 5, 2022
asianb5_japan	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Japan [Dataset], September 5, 2022
asianb5_korea	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 South Korea [Dataset], August 8, 2021
asianb5_malaysia	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Malaysia [Dataset], August 19, 2021
asianb5_mongolia	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Mongolia [Dataset], December 17, 2020
asianb5_myanmar	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Myanmar [Dataset], September 5, 2022
asianb5_philippines	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Philippines [Dataset], December 23, 2020

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
asianb5_taiwan	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Taiwan [Dataset], August 5, 2019
asianb5_thailand	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Thailand [Dataset], August 5, 2021
asianb5_vietnam	Hu Fu Center for East Asian Democratic Studies, Asian Barometer Wave 5 Vietnam [Dataset], December 15, 2020
autnes2017	Wagner, Markus; Aichholzer, Julian; Eberl, Jakob-Moritz; Meyer, Thomas M.; Berk, Nicolai; Büttner, Nico; Boomgaarden, Hajo; Kritzing, Sylvia; Müller, Wolfgang C., 2018, "AUTNES Online Panel Study 2017 (SUF edition)", https://doi.org/10.11587/I7QIYJ , AUSSDA, V4, UNF:6:qXpb3Rjb7GgLHw7J3wNrEA== [fileUNF]
belgiumes1991	Billiet, J., Swyngedouw, M., Carton, A., Beerten, R., Franckx, M., Frogner, A.P., Aish-Van Vaerenbergh, A.M., Diest, S. van, Rihoux, B., Winter, L. de, Katholieke Universiteit Leuven * Leuven, Belgie, Departement sociologie, ISPO (primary investigator), 2016, "Belgium, General Election Study 1991", https://doi.org/10.17026/dans-2za-cvds , DANS Data Station Social Sciences and Humanities, V3
belgiumes1995	Billiet, J., Swyngedouw, M., Katholieke Universiteit Leuven * Leuven, Belgie (primary investigator), 2016, "Belgium General Election Study 1995", https://doi.org/10.17026/dans-2b9-d6ac , DANS Data Station Social Sciences and Humanities, V3
belgiumes1999	Prof.Dr. Marc Swyngedouw, KU Leuven, Departement Sociologie, J. Billiet, KU Leuven, ISPO, A. Frogner, U.C. Louvain, PLOP (primary investigator), 2016, "Belgium General Election Study 1999", https://doi.org/10.17026/dans-z4z-zagc , DANS Data Station Social Sciences and Humanities, V2
belgiumes2003	Swyngedouw, Prof. dr. M. (Institute of Social and Political Opinion Research ISPO - KU Leuven, 2004, "Belgium General Election Study 2003", https://doi.org/10.17026/dans-z2x-hfdx , DANS Data Station Social Sciences and Humanities, V1, UNF:6:6uuZYzZMgXTjZKpmolY2+A== [fileUNF]
belgiumes2007	M.M.H. Swyngedouw; A.P. Frogner, 2008, "Belgium General Election Study 2007", https://doi.org/10.17026/dans-xyh-cces , DANS Data Station Social Sciences and Humanities, V2, UNF:6:oSydQLfX+Y8ynzIM7bMw== [fileUNF]
belgiumes2014	M. Swyngedouw, 2015, "Belgian National Election Study 2014", https://doi.org/10.17026/dans-22u-yvyu , DANS Data Station Social Sciences and Humanities, V1, UNF:6:pCbb5HrF6dlgLxFR0cw7UA== [fileUNF]
bes1987	Heath, A., Jowell, R. and Curtice, J.K., British General Election Study, 1987; Cross-Section Survey [computer file]. 2nd Edition. Colchester, Essex: UK Data Archive [distributor], April 1993.
bes1992	Heath, A. et al. , British General Election Study, 1992; Cross-Section Survey [computer file]. Colchester, Essex: UK Data Archive [distributor], April 1993.
bes1997	Heath, A. et al. , British General Election Study, 1997; Cross-Section Survey [computer file]. 2nd Edition. Colchester, Essex: UK Data Archive [distributor], May 1999.
bes2001	Clarke, H. et al. , British General Election Study, 2001; Cross-Section Survey [computer file]. Colchester, Essex: UK Data Archive [distributor], March 2003.
bes2005_post	Clarke, H. et al. , British Election Study, 2005: Face-to-Face Survey [computer file]. Colchester, Essex: UK Data Archive [distributor], November 2006.
bes2015	Fieldhouse, E., Green, J., Evans, G., Schmitt, H., van der Eijk, C., Mellon, J., Prosser, C. (2019). British Election Study, 2015: Face-to-Face Post-Election Survey. [data collection]. UK Data Service. SN: 7972, DOI: 10.5255/UKDA-SN-7972-1
bes2017	Fieldhouse, E., Green, J., Evans, G., Schmitt, H., van der Eijk, C., Mellon, J., Prosser, C. (2019). British Election Study, 2017: Face-to-Face Post-Election Survey. [data collection]. UK Data Service. SN: 8418, DOI: 10.5255/UKDA-SN-8418-1
bes2019	Fieldhouse, E., Green, J., Evans, G., Prosser, C., de Geus, R., Bailey, J., Schmitt, H., van der Eijk, C., Mellon, J. (2022). British Election Study, 2019: Post-Election Random Probability Survey. [data collection]. UK Data Service. SN: 8875, DOI: 10.5255/UKDA-SN-8875-1
besip_long	Fieldhouse, E. Green, J. Evans, G. Mellon, J. Prosser, C. Bailey, J. Griffiths, J. and Perrett, S. (2024). Teaching Version of the British Election Study Internet Panel. DOI:10.48420/25460980.v1
bsa1994	Social and Community Planning Research. British Social Attitudes Survey, 1994. ICPSR03097-v2. Colchester, Essex, England: United Kingdom Data Archive/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2005-07-22. http://doi.org/10.3886/ICPSR03097.v2
bsa1996	Social and Community Planning Research. BRITISH SOCIAL ATTITUDES SURVEY, 1996. ICPSR03099-v2. Brentwood, Essex, England: Social and Community Planning Research [producer], 1996. Colchester, Essex, England: UK Data Archive/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2006-07-26. http://doi.org/10.3886/ICPSR03099.v2
bsa1997	Social and Community Planning Research. BRITISH SOCIAL ATTITUDES SURVEY, 1997. ICPSR03100-v2. Brentwood, Essex, England: Social and Community Planning Research [producer], 1997. Colchester, Essex, England: UK Data Archive/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2006-07-26. http://doi.org/10.3886/ICPSR03100.v2
bsa1998	Social and Community Planning Research, British Social Attitudes Survey, 1998 [computer file]. Colchester, Essex: UK Data Archive [distributor], June 2000. SN: 4131, http://dx.doi.org/10.5255/UKDA-SN-4131-1
bsa2000	National Centre for Social Research, British Social Attitudes Survey, 2000 [computer file]. Colchester, Essex: UK Data Archive [distributor], March 2002. SN: 4486, http://dx.doi.org/10.5255/UKDA-SN-4486-1
bsa2001	National Centre for Social Research. British Social Attitudes Survey, 2001. ICPSR03900-v1. Colchester, Essex, England: United Kingdom Data Archive/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2004. http://doi.org/10.3886/ICPSR03900.v1
bsa2002	National Centre for Social Research, British Social Attitudes Survey, 2002 [computer file]. Colchester, Essex: UK Data Archive [distributor], March 2004. SN: 4838, http://dx.doi.org/10.5255/UKDA-SN-4838-1
bsa2003	National Centre for Social Research, British Social Attitudes Survey, 2003 [computer file]. Colchester, Essex: UK Data Archive [distributor], September 2005. SN: 5235, http://dx.doi.org/10.5255/UKDA-SN-5235-1
bsa2005	National Centre for Social Research, British Social Attitudes Survey, 2005 [computer file]. 2nd Edition. Colchester, Essex: UK Data Archive [distributor], October 2007. SN: 5618, http://dx.doi.org/10.5255/UKDA-SN-5618-1
bsa2006	National Centre for Social Research, British Social Attitudes Survey, 2006 [computer file]. Colchester, Essex: UK Data Archive [distributor], April 2008. SN: 5823, http://dx.doi.org/10.5255/UKDA-SN-5823-1

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
bsa2007	National Centre for Social Research, British Social Attitudes Survey, 2007 [computer file]. Colchester, Essex: UK Data Archive [distributor], July 2009. SN: 6240, http://dx.doi.org/10.5255/UKDA-SN-6240-1
bsa2009	National Centre for Social Research, British Social Attitudes Survey, 2009 [computer file]. Colchester, Essex: UK Data Archive [distributor], February 2011. SN: 6695, http://dx.doi.org/10.5255/UKDA-SN-6695-1
bsa2010	National Centre for Social Research, British Social Attitudes Survey, 2010 [computer file]. Colchester, Essex: UK Data Archive [distributor], February 2012. SN: 6969, http://dx.doi.org/10.5255/UKDA-SN-6969-1
bsa2011	NatCen Social Research, British Social Attitudes Survey, 2011 [computer file]. 2nd Edition. Colchester, Essex: UK Data Archive [distributor], January 2014. SN: 7237, http://dx.doi.org/10.5255/UKDA-SN-7237-2
bsa2012	NatCen Social Research, British Social Attitudes Survey, 2012 [computer file]. Colchester, Essex: UK Data Archive [distributor], April 2014. SN: 7476, http://dx.doi.org/10.5255/UKDA-SN-7476-1
bsa2013	NatCen Social Research, British Social Attitudes Survey, 2013 [computer file]. Colchester, Essex: UK Data Archive [distributor], July 2014. SN: 7500, http://dx.doi.org/10.5255/UKDA-SN-7500-1
bsa2016	NatCen Social Research. (2017). British Social Attitudes Survey, 2016. [data collection]. UK Data Service. SN: 8252, http://doi.org/10.5255/UKDA-SN-8252-1
bsa2017	NatCen Social Research. (2019). British Social Attitudes Survey, 2017. [data collection]. UK Data Service. SN: 8450, http://doi.org/10.5255/UKDA-SN-8450-1
bsa2019	NatCen Social Research. (2021). British Social Attitudes Survey, 2019. [data collection]. UK Data Service. SN: 8772, http://doi.org/10.5255/UKDA-SN-8772-1
bsa2020	NatCen Social Research. (2022). British Social Attitudes Survey, 2020. [data collection]. UK Data Service. SN: 9005, DOI: 10.5255/UKDA-SN-9005-1
bsa_combo	Social and Community Planning Research. BRITISH SOCIAL ATTITUDES SURVEY, 1983-1991: [CUMULATIVE FILE]. ICPSR03095-v2. Brentwood, Essex, England: Social and Community Planning Research [producer], 1996. Colchester, Essex, England: UK Data Archive/Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributors], 2008-01-23. http://doi.org/10.3886/ICPSR03095.v2
canadians2004	Fournier, Patrick, Fred Cutler, Stuart Soroka and Dietlind Stolle. 2004. The 2004 Canadian Election Study. [dataset]
canadians2006	Fournier, Patrick, Fred Cutler, Stuart Soroka and Dietlind Stolle. 2006. The 2006 Canadian Election Study. [dataset]
canadians2008	Fournier, Patrick, Fred Cutler, Stuart Soroka and Dietlind Stolle. 2008. The 2008 Canadian Election Study. [dataset]
canadians2011	Fournier, Patrick, Fred Cutler, Stuart Soroka and Dietlind Stolle. 2011. The 2011 Canadian Election Study. [dataset]
canadians2015	Fournier, Patrick, Fred Cutler, Stuart Soroka and Dietlind Stolle. 2015. The 2015 Canadian Election Study. [dataset]
canadians2019	Stephenson, Laura B; Harell, Allison; Rubenson, Daniel; Loewen, Peter John, 2020, "2019 Canadian Election Study (CES) - Online Survey", https://doi.org/10.7910/DVN/DUS88V , Harvard Dataverse, V3, UNF:6:L0A0hDxh6b2mmK2nmQDoyw== [fileUNF]
canadians2021	Stephenson, Laura B; Harell, Allison; Rubenson, Daniel; Loewen, Peter John, 2022, "2021 Canadian Election Study (CES)", https://doi.org/10.7910/DVN/XBZHKC , Harvard Dataverse, V3, UNF:6:UImDcX6kd5FnExyB5kM18Q== [fileUNF]
caucasusb2021	Caucasus Research Resource Centers. 2021 "Caucasus Barometer". Retrieved from https://caucasusbarometer.org/downloads/cb2021/CB_2022_Regional_24.06.2022.dta
cdem2022	Harell, Allison; Stephenson, B. Laura; Rubenson, Daniel; Loewen, Peter John, 2023, "Democracy Checkup, 2022 [Canada]", https://doi.org/10.5683/SP3/TEKM3T , Borealis, V1, UNF:6:ufqbMikbXcaHqVhbaEXR3w== [fileUNF]
cid_combo	Andersen, Jørgen Goul, Deth, Jan W. van, Geurts, Peter, Viegas, José Manuel Leite, Badescu, Gabriel, Selle, Per, Teorell, Jan, Iglie, Hajdeja, Montero, José Ramón, Westholm, Anders, and Armingeon, Klaus (2007). Citizenship, Involvement, Democracy. GESIS Data Archive, Cologne. ZA4492 Data file Version 1.0.0, https://doi.org/10.4232/1.4492 .
cispol1989	Centro de Investigaciones Sociológicas. 1989. "Cultura Política (II)." Estudio 1788.
cnep_combo	Mershon Center for International Security Studies. 2023. "Comparative National Elections Project, Merge 54."
cnes1993	Johnston, Richard, Blais, Andre, Brady, Henry E., Gidengil, Elisabeth, and Nevitte, Neil. Canadian Election Study, 1993: Incorporating the 1992 Referendum Survey on the Charlottetown Accord. Inter-university Consortium for Political and Social Research [distributor], 1995-10-12. https://doi.org/10.3886/ICPSR06571.v1
cnes1997	Blais, Andre, Gidengil, Elisabeth, Nadeau, Richard, and Nevitte, Neil. Canadian Election Survey, 1997. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2000-05-09. https://doi.org/10.3886/ICPSR02593.v3
cnes2000	Blais, Andre, Gidengil, Elisabeth, Nadeau, Richard, and Nevitte, Neil. Canadian Election Survey, 2000. Inter-university Consortium for Political and Social Research [distributor], 2004-06-23. https://doi.org/10.3886/ICPSR03969.v1
cses1	The Comparative Study of Electoral Systems (2015). CSES Module 1 Full Release. GESIS Data Archive, Cologne. ZA5179 Data file Version 3.0.0, https://doi.org/10.7804/cses.module1.2015-12-15 .
dkes1981	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1981 [Dataset]
dkes1984	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1984 [Dataset]
dkes1987	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1987 [Dataset]
dkes1990	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1990 [Dataset]
dkes1994	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1994 [Dataset]
dkes1998	Center for Opinion and Analysis, Aalborg University, Danish Election Project 1998 [Dataset]
dkes2001	Center for Opinion and Analysis, Aalborg University, Danish Election Project 2001 [Dataset]
dkes2005	Center for Opinion and Analysis, Aalborg University, Danish Election Project 2005 [Dataset]

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
dkes2007	Center for Opinion and Analysis, Aalborg University, Danish Election Project 2007 [Dataset]
dkes2011	Center for Opinion and Analysis, Aalborg University, Danish Election Project 2011 [Dataset]
eass2012	Li, Lulu, Kim, Sang-Wook, Iwai, Noriko, and Fu, Yang-Chih. East Asian Social Survey (EASS), Cross-National Survey Data Sets: Network Social Capital in East Asia, 2012. Inter-university Consortium for Political and Social Research [distributor], 2021-10-07. https://doi.org/10.3886/ICPSR36277.v2
eb24	Kommission der Europäischen Gemeinschaften (2012). Eurobarometer 24 (Oct 1985). GESIS Data Archive, Cologne. ZA1542 Data file Version 1.0.1, https://doi.org/10.4232/1.10881 .
eb26	Commission of the European Communities, Brussels: Eurobarometer 26, September-November 1986. Helene Riffault, Faits et Opinions, Paris [Producer]; GESIS, Cologne [Publisher]: ZA1544, dataset version 1.0.1, doi:10.4232/1.10883.
eb30	Commission of the European Communities, Brussels: Eurobarometer 30, October-November 1988. Helene Riffault, Faits et Opinions, Paris [Producer]; GESIS, Cologne [Publisher]: ZA1715, dataset version 1.0.1, doi:10.4232/1.10887.
eb471	European Commission, Brussels: Eurobarometer 47.1, March-April 1997. International Research Associates (INRA), Brussels [Producer]; GESIS, Cologne [Publisher]: ZA2936, dataset version 1.0.1, doi:10.4232/1.10926.
eb48	European Commission, Brussels: Eurobarometer 48, October-November 1997. International Research Associates (INRA), Brussels [Producer]; GESIS, Cologne [Publisher]: ZA2959, dataset version 1.0.1, doi:10.4232/1.10929.
eb51	European Commission, Brussels: Eurobarometer 51.0, March-April 1999. INRA (Europe), Brussels [Producer]; GESIS, Cologne [Publisher]: ZA3171, dataset version 1.0.1, doi:10.4232/1.10931.
eb541	European Commission (2012). Eurobarometer 54.1 (Oct-Nov 2000). GESIS Data Archive, Cologne. ZA3387 Data file Version 1.1.0, https://doi.org/10.4232/1.10937 .
eb551	European Commission (2012). Eurobarometer 55.1 (Apr-May 2001). GESIS Data Archive, Cologne. ZA3507 Data file Version 1.0.1, https://doi.org/10.4232/1.10941 .
eb562	European Commission (2012). Eurobarometer 56.2 (Oct-Nov 2001). GESIS Data Archive, Cologne. ZA3627 Data file Version 1.0.1, https://doi.org/10.4232/1.10946 .
eb571	European Commission (2012). Eurobarometer 57.1 (Mar-May 2002). GESIS Data Archive, Cologne. ZA3639 Data file Version 1.0.1, https://doi.org/10.4232/1.10949 .
eb591	European Commission (2012). Eurobarometer 59.1 (Mar-Apr 2003). GESIS Data Archive, Cologne. ZA3904 Data file Version 1.0.1, https://doi.org/10.4232/1.10955 .
eb601	European Commission, Brussels: Eurobarometer 60.1, October-November 2003. European Opinion Research Group EEIG, Brussels [Producer]; GESIS, Cologne [Publisher]: ZA3938, dataset version 1.0.1, doi:10.4232/1.10958.
eb61	European Commission (2012). Eurobarometer 61 (Feb-Mar 2004). GESIS Data Archive, Cologne. ZA4056 Data file Version 1.0.1, https://doi.org/10.4232/1.10961 .
eb62	European Commission (2012). Eurobarometer 62.0 (Oct-Nov 2004). GESIS Data Archive, Cologne. ZA4229 Data file Version 1.1.0, https://doi.org/10.4232/1.10962 .
eb631	European Commission, Brussels: Eurobarometer 63.1, January-February 2005. TNS OPINION and SOCIAL, Brussels [Producer]; GESIS, Cologne [Publisher]: ZA4233, dataset version 1.1.0, doi:10.4232/1.10965.
eb634	European Commission (2012). Eurobarometer 63.4 (May-Jun 2005). GESIS Data Archive, Cologne. ZA4411 Data file Version 1.1.0, https://doi.org/10.4232/1.10968 .
eb642	European Commission (2012). Eurobarometer 64.2 (Oct-Nov 2005). GESIS Data Archive, Cologne. ZA4414 Data file Version 1.1.0, https://doi.org/10.4232/1.10970 .
eb643	European Commission, Brussels: Eurobarometer 64.3, November-December 2005. TNS OPINION and SOCIAL, Brussels [Producer]; GESIS, Cologne [Publisher]: ZA4415, data set version 1.0.1, doi:10.4232/1.10971.
eb652	European Commission (2012). Eurobarometer 65.2 (Mar-May 2006). GESIS Data Archive, Cologne. ZA4506 Data file Version 1.0.1, https://doi.org/10.4232/1.10974 .
eb661	European Commission, Brussels: Eurobarometer 66.1, September-October 2006. TNS OPINION and SOCIAL, Brussels [Producer]; GESIS, Cologne [Publisher]: ZA4526, dataset version 1.0.1, doi:10.4232/1.10980.
eb663	European Commission (2012). Eurobarometer 66.3 (Nov-Dec 2006). GESIS Data Archive, Cologne. ZA4528 Data file Version 2.0.1, https://doi.org/10.4232/1.10982 .
eb681	European Commission (2012). Eurobarometer 68.1 (Sep-Nov 2007). GESIS Data Archive, Cologne. ZA4565 Data file Version 4.0.1, https://doi.org/10.4232/1.10988 .
eb682	European Commission (2012). Eurobarometer 68.2 (Nov-Dec 2007). GESIS Data Archive, Cologne. ZA4742 Data file Version 4.0.1, https://doi.org/10.4232/1.10986 .
eb692	European Commission (2013). Eurobarometer 69.2 (Mar-May 2008). GESIS Data Archive, Cologne. ZA4744 Data file Version 5.0.0, https://doi.org/10.4232/1.11755 .
eb701	European Commission (2012). Eurobarometer 70.1 (Oct-Nov 2008). GESIS Data Archive, Cologne. ZA4819 Data file Version 3.0.2, https://doi.org/10.4232/1.10989 .
eb713	European Commission, Brussels: Eurobarometer 71.3, June-July 2009. TNS OPINION and SOCIAL, Brussels [Producer]; GESIS, Cologne [Publisher]: ZA4973, dataset version 3.0.0, doi:10.4232/1.11135.
eb722	European Commission (2012). Eurobarometer 72.2 (Sep-Oct 2009). GESIS Data Archive, Cologne. ZA4976 Data file Version 3.0.0, https://doi.org/10.4232/1.11137 .
eb724	European Commission (2012). Eurobarometer 72.4 (Oct-Nov 2009). GESIS Data Archive, Cologne. ZA4994 Data file Version 3.0.0, https://doi.org/10.4232/1.11141 .
eb734	European Commission (2012). Eurobarometer 73.4 (May 2010). GESIS Data Archive, Cologne. ZA5234 Data file Version 2.0.1, https://doi.org/10.4232/1.11479 .
eb742	European Commission (2013). Eurobarometer 74.2 (2010). GESIS Data Archive, Cologne. ZA5449 Data file Version 2.2.0, https://doi.org/10.4232/1.11626 .
eb761	European Commission and European Parliament, Brussels (2014). Eurobarometer 76.1 (2011). GESIS Data Archive, Cologne. ZA5565 Data file Version 4.0.0, https://doi.org/10.4232/1.11847 .

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
eb763	European Commission and European Parliament, Brussels (2014). Eurobarometer 76.3 (2011). GESIS Data Archive, Cologne. ZA5567 Data file Version 2.0.1, https://doi.org/10.4232/1.12007 .
eb773	European Commission (2015). Eurobarometer 77.3 (2012). GESIS Data Archive, Cologne. ZA5612 Data file Version 2.0.0, https://doi.org/10.4232/1.12050 .
eb781	European Commission, Brussels (2015). Eurobarometer 78.1 (2012). GESIS Data Archive, Cologne. ZA5685 Data file Version 2.0.0, https://doi.org/10.4232/1.12061 .
eb791	European Commission, Brussels (2016). Eurobarometer 79.1 (2013). GESIS Data Archive, Cologne. ZA5687 Data file Version 3.0.0, https://doi.org/10.4232/1.12448 .
eb793	European Commission, Brussels (2017). Eurobarometer 79.3 (2013). GESIS Data Archive, Cologne. ZA5689 Data file Version 2.0.0, https://doi.org/10.4232/1.12718 .
eb801	European Commission, Brussels (2017). Eurobarometer 80.1 (2013). GESIS Data Archive, Cologne. ZA5876 Data file Version 2.0.0, https://doi.org/10.4232/1.12768 .
eb812	European Commission, Brussels (2017). Eurobarometer 81.2 (March 2014). GESIS Data Archive, Cologne. ZA5913 Data file Version 2.0.0, https://doi.org/10.4232/1.12884 .
eb814	European Commission, Brussels (2018). Eurobarometer 81.4 (2014). GESIS Data Archive, Cologne. ZA5928 Data file Version 3.0.0, https://doi.org/10.4232/1.12956 .
eb823	European Commission, Brussels (2018). Eurobarometer 82.3 (2014). GESIS Data Archive, Cologne. ZA5932 Data file Version 3.0.0, https://doi.org/10.4232/1.13021 .
eb833	European Commission, Brussels (2018). Eurobarometer 83.3 (2015). GESIS Data Archive, Cologne. ZA5998 Data file Version 2.0.0, https://doi.org/10.4232/1.13133 .
eb843	European Commission, Brussels (2019). Eurobarometer 84.3 (2015). GESIS Data Archive, Cologne. ZA6643 Data file Version 4.0.0, https://doi.org/10.4232/1.13249 .
eb852	European Commission, Brussels (2020). Eurobarometer 85.2 (2016). GESIS Data Archive, Cologne. ZA6694 Data file Version 2.0.0, https://doi.org/10.4232/1.13438 .
eb861	European Commission and European Parliament, Brussels (2020). Eurobarometer 86.1 (2016). GESIS Data Archive, Cologne. ZA6697 Data file Version 2.0.0, https://doi.org/10.4232/1.13542 .
eb862	European Commission, Brussels (2020). Eurobarometer 86.2 (2016). GESIS Data Archive, Cologne. ZA6788 Data file Version 2.0.0, https://doi.org/10.4232/1.13602 .
eb873	European Commission and European Parliament, Brussels (2022). Eurobarometer 97.3 (2022). GESIS, Cologne. ZA7888 Data file Version 1.0.0, https://doi.org/10.4232/1.14055 .
eb881	European Commission and European Parliament, Brussels (2022). Eurobarometer 88.1 (2017). GESIS, Cologne. ZA6925 Data file Version 2.0.0, https://doi.org/10.4232/1.13896 .
eb882	European Commission, Brussels (2022). Eurobarometer 88.2 (2017). GESIS, Cologne. ZA6927 Data file Version 2.0.0, https://doi.org/10.4232/1.13918 .
eb883	European Commission, Brussels (2022). Eurobarometer 88.3 (2017). GESIS, Cologne. ZA6928 Data file Version 2.0.0, https://doi.org/10.4232/1.13938 .
eb891	European Commission, Brussels (2023). Eurobarometer 89.1 (2018). GESIS, Cologne. ZA6963 Data file Version 2.0.0, https://doi.org/10.4232/1.14082 .
eb902	European Commission, Brussels (2019). Eurobarometer 90.2 (2018). GESIS Data Archive, Cologne. ZA7488 Data file Version 1.0.0, https://doi.org/10.4232/1.13289 .
eb903	European Commission, Brussels (2019). Eurobarometer 90.3 (2018). GESIS Data Archive, Cologne. ZA7489 Data file Version 1.0.0, https://doi.org/10.4232/1.13254 .
eb912	European Commission, Brussels (2019). Eurobarometer 91.2 (2019). GESIS Data Archive, Cologne. ZA7562 Data file Version 1.0.0, https://doi.org/10.4232/1.13318 .
eb915	European Commission and European Parliament, Brussels (2019). Eurobarometer 91.5 (2019). GESIS Data Archive, Cologne. ZA7576 Data file Version 1.0.0, https://doi.org/10.4232/1.13393 .
eb923	European Commission, Brussels (2020). Eurobarometer 92.3 (2019). GESIS Data Archive, Cologne. ZA7601 Data file Version 1.0.0, https://doi.org/10.4232/1.13564 .
eb924	European Commission, Brussels (2020). Eurobarometer 92.4 (2019). GESIS Data Archive, Cologne. ZA7602 Data file Version 1.0.0, https://doi.org/10.4232/1.13652 .
eb931	European Commission, Brussels (2022). Eurobarometer 93.1 (2020). GESIS, Cologne. ZA7649 Data file Version 2.0.0, https://doi.org/10.4232/1.13866 .
eb941	European Commission and European Parliament, Brussels (2022). Eurobarometer 94.1 (2020). GESIS, Cologne. ZA7749 Data file Version 1.0.0, https://doi.org/10.4232/1.13927 .
eb943	European Commission, Brussels (2023). Eurobarometer 94.3 (2021). GESIS, Cologne. ZA7780 Data file Version 2.0.0, https://doi.org/10.4232/1.14076 .
eb953	European Commission, Brussels (2022). Eurobarometer 95.3 (2021). GESIS, Cologne. ZA7783 Data file Version 1.0.0, https://doi.org/10.4232/1.13826 .
eb961	European Commission and European Parliament, Brussels (2022). Eurobarometer 96.1 (2021). GESIS, Cologne. ZA7846 Data file Version 1.0.0, https://doi.org/10.4232/1.13882 .
eb963	European Commission, Brussels (2022). Eurobarometer 96.3 (2022). GESIS, Cologne. ZA7848 Data file Version 1.0.0, https://doi.org/10.4232/1.13908 .
eb972	European Commission, Brussels (2022). Eurobarometer 97.2 (2022). GESIS, Cologne. ZA7887 Data file Version 1.0.0, https://doi.org/10.4232/1.14033 .
eb975	European Commission and European Parliament, Brussels (2022). Eurobarometer 97.3 (2022). GESIS, Cologne. ZA7888 Data file Version 1.0.0, https://doi.org/10.4232/1.14055 .
eb982	European Commission, Brussels (2023). Eurobarometer 98.2 (2023). GESIS, Cologne. ZA7953 Data file Version 1.0.0, https://doi.org/10.4232/1.14081 .
eb994	European Commission, Brussels (2024). Eurobarometer 99.4 (2023). GESIS, Cologne. ZA7997 Data file Version 1.0.0, https://doi.org/10.4232/1.14167 .
ess1	European Social Survey European Research Infrastructure (ESS ERIC). (2019). ESS1 - integrated file, edition 6.6 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess1e06_6

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
ess10	European Social Survey European Research Infrastructure (ESS ERIC). (2023). ESS10 integrated file, edition 3.0 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess10e03_0
ess2	European Social Survey European Research Infrastructure (ESS ERIC). (2012). ESS2 - integrated file, edition 3.6 (Italy not included) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ESS2E03_6
ess2_it	European Social Survey European Research Infrastructure (ESS ERIC). (2012). ESS2 - Italy country file from main questionnaire [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess2it
ess3	European Social Survey European Research Infrastructure (ESS ERIC). (2018). ESS3 - integrated file, edition 3.7 (Latvia and Romania not included) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ESS3E03_7
ess4	European Social Survey European Research Infrastructure (ESS ERIC). (2019). ESS4 - integrated file, edition 4.5 (Austria and Lithuania not included) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess4e04_6
ess4_at	European Social Survey European Research Infrastructure (ESS ERIC). (2022). ESS4 - Austria (Fieldwork period 01.11.10 to 28.02.11) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess4at
ess4_lt	European Social Survey European Research Infrastructure (ESS ERIC). (2022). ESS4 - Lithuania (no design weights) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess4lt
ess5	European Social Survey European Research Infrastructure (ESS ERIC). (2019). ESS5 - integrated file, edition 3.4 (Austria not included) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess5e03_5
ess5_at	European Social Survey European Research Infrastructure (ESS ERIC). (2022). ESS5 - Austria (fieldwork period 24.05.13 to 10.10.13) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess5ate1_1
ess6	European Social Survey European Research Infrastructure (ESS ERIC). (2019). ESS6 - integrated file, edition 2.4 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess6e02_6
ess7	European Social Survey European Research Infrastructure (ESS ERIC). (2018). ESS7 - integrated file, edition 2.3 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess7e02_3
ess8	European Social Survey European Research Infrastructure (ESS ERIC). (2019). ESS8 - integrated file, edition 2.1 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess8e02_3
ess9	European Social Survey European Research Infrastructure (ESS ERIC). (2020). ESS9 - integrated file, edition 2.0 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess9e03_2
ess9_ro	European Social Survey European Research Infrastructure (ESS ERIC). (2020). ESS9 - Romania (participating on pilot basis) [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.21338/ess9roe01
eurasiab2001	Eurasia Barometer (2001). Eurasia Barometer 2001.
eurasiab2010	Eurasia Barometer (2010). Eurasia Barometer 2010.
feb450	European Commission, Brussels (2017). Flash Eurobarometer 450 (Future of Europe – Views from Outside the EU). GESIS Data Archive, Cologne. ZA6856 Data file Version 1.0.0, https://doi.org/10.4232/1.12846 .
fnes1995	Lewis-Beck, Michael S., Mayer, Nonna, Boy, Daniel. French National Election Study, 1995. [distributor], 1996-11-21. https://doi.org/10.3886/ICPSR06806.v1
formpubop1999	Togby, Lise. 2014. "Surveys About the Formation of Public Opinion 1999-2003." SFI-The Danish National Centre for Social Research
formpubop2000	Togby, Lise. 2014. "Surveys About the Formation of Public Opinion 1999-2003." SFI-The Danish National Centre for Social Research
formpubop2001	Togby, Lise. 2014. "Surveys About the Formation of Public Opinion 1999-2003." SFI-The Danish National Centre for Social Research
formpubop2002	Togby, Lise. 2014. "Surveys About the Formation of Public Opinion 1999-2003." SFI-The Danish National Centre for Social Research
formpubop2003	Togby, Lise. 2014. "Surveys About the Formation of Public Opinion 1999-2003." SFI-The Danish National Centre for Social Research
fsdelection2019	Grönlund, Kimmo (Åbo Akademi University) and Borg, Sami (Tampere University): Finnish National Election Study 2019 [dataset]. Version 2.0 (2021-09-15). Finnish Social Science Data Archive [distributor]. https://urn.fi/urn:nbn:fi:fsd:T-FSD3467
fsdelection_combo	Election Study Consortium and Karvonen, Lauri (Åbo Akademi University) and Paloheimo, Heikki (University of Tampere) and Borg, Sami (University of Tampere) and Grönlund, Kimmo (Åbo Akademi University) and Kestilä-Kekkonen, Elina (University of Tampere): Finnish National Election Studies 2003-2019: combined data [dataset]. Version 1.0 (2017-11-03). Finnish Social Science Data Archive [distributor]. https://urn.fi/urn:nbn:fi:fsd:T-FSD2556
gallup_vop2000	Gallup International, Inc. Voice of the People Millennium Survey, 2000. Inter-university Consortium for Political and Social Research [distributor], 2009-08-18. https://doi.org/10.3886/ICPSR24661.v1
gallup_vop2004	Gallup International, Inc. Voice of the People, 2004. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2009-04-30. https://doi.org/10.3886/ICPSR24681.v1
gallup_vop2005	Gallup International, Inc. Voice of the People, 2005. Inter-university Consortium for Political and Social Research [distributor], 2007-07-16. https://doi.org/10.3886/ICPSR04636.v1
gallup_vop2007	Gallup International, Inc. Voice of the People, 2007. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2010-03-03. https://doi.org/10.3886/ICPSR21441.v1

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
gallup_vop2012	WIN/Gallup International Association. Voice of the People End of Year Survey, 2012. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2015-03-09. https://doi.org/10.3886/ICPSR35201.v2
gles1994	Falter, Ju_rgen W.; Gabriel, Oscar W.; Rattinger, Hans; Schmitt, Karl (2015): Political Attitudes, Political Participation and Voting Behavior in Reunified Germany 1994 GESIS Data Archive, Cologne. ZA3065 Data file Version 3.0.0, doi:10.4232/1.11973
gles1998	Falter, Ju_rgen W.; Gabriel, Oscar W.; Rattinger, Hans (2015): Political Attitudes, Political Participation and Voting Behavior in Reunified Germany 1998 GESIS Data Archive, Cologne. ZA3066 Data file Version 4.0.0, doi:10.4232/1.11968
gles2002	Falter, Ju_rgen W.; Gabriel, Oscar W.; Rattinger, Hans (2015): Political Attitudes, Political Participation and Voting Behavior in Reunified Germany 2002. GESIS Data Archive, Cologne. ZA3861 Data file Version 3.0.0, doi:10.4232/1.11967
gles2009	GLES (2015). Short-term Campaign Panel (GLES 2009). GESIS Data Archive, Cologne. ZA5305 Data file Version 5.0.0, https://doi.org/10.4232/1.12198 .
gles2013	Rattinger, Hans; Roßteutscher, Sigrid; Schmitt-Beck, Rüdiger; Weßels, Bernhard; Wolf, Christof; Plischke, Thomas; Wiegand, Elena (2016): Short-term Campaign Panel 2013 (GLES). GESIS Data Archive, Cologne. ZA5704 Datafile Version 3.2.0, doi: 10.4232/1.12561.
gles2017	GLES (2019). Short-term Campaign Panel (GLES 2017). GESIS Data Archive, Cologne. ZA6804 Data file Version 7.0.0, https://doi.org/10.4232/1.13323 .
icenes1983	Harðarson, Ólafur Þórður; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 1983”, https://doi.org/10.34881/1.00001 , GAGNÍS (DATICE), V1, UNF:6:krmQ/NST5UWdwJ3OIWJ8A== [fileUNF]
icenes1987	Harðarson, Ólafur Þórður; Félagsvísindastofnun, 2020, “Íslenska kosningarannsóknin 1987”, https://doi.org/10.34881/1.00002 , GAGNÍS (DATICE), V3, UNF:6:QFUhkaIXJfohv9z5T/HpeA== [fileUNF]
icenes1991	Harðarson, Ólafur Þórður; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 1991”, https://doi.org/10.34881/1.00003 , GAGNÍS (DATICE), V1, UNF:6:CF1aHW7xsn83iJFjIACP5Q== [fileUNF]
icenes1995	Harðarson, Ólafur Þórður; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 1995”, https://doi.org/10.34881/1.00004 , GAGNÍS (DATICE), V1, UNF:6:soAWhg5QnLVM64/ItiByow== [fileUNF]
icenes1999	Harðarson, Ólafur Þórður; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 1999”, https://doi.org/10.34881/1.00005 , GAGNÍS (DATICE), V1, UNF:6:yiZ5815qg7DAqc5e2QPVMQ== [fileUNF]
icenes2003	Harðarson, Ólafur Þórður; Eva Heiða Önnudóttir; Einar Mar Þórðarson; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 2003”, https://doi.org/10.34881/1.00006 , GAGNÍS (DATICE), V1, UNF:6:2wWd5vKJmBmyz2NzoDiPQQ== [fileUNF]
icenes2007	Harðarson, Ólafur Þórður; Eva Heiða Önnudóttir; Einar Már Þórðarson; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 2007”, https://doi.org/10.34881/1.00007 , GAGNÍS (DATICE), V1, UNF:6:e2fn43HO5Jo1AYE4ttePGw== [fileUNF]
icenes2009	Harðarson, Ólafur Þórður; Önnudóttir, Eva Heiða; Þórðarsson, Einar Már; Félagsvísindastofnun, 2021, “Íslenska kosningarannsóknin 2009”, https://doi.org/10.34881/1.00008 , GAGNÍS (DATICE), V1, UNF:6:/udEf4H4VtlzK7Qi4e7mwA== [fileUNF]
icenes2013	Harðarson, Ólafur Þórður; Hulda Þórisdóttir; Eva Heiða Önnudóttir, 2021, “Íslenska kosningarannsóknin 2013”, https://doi.org/10.34881/1.00009 , GAGNÍS (DATICE), V1, UNF:6:a7ePGbqQoIlklFeypfRa6Q== [fileUNF]
icenes2016	Önnudóttir, Eva Heiða; Harðarson, Ólafur Þórður; Þórisdóttir, Hulda; Helgason, Agnar Freyr, 2021, “Íslenska kosningarannsóknin 2016”, https://doi.org/10.34881/1.00010 , GAGNÍS (DATICE), V1, UNF:6:dqN69a8RixTJARKwphBO9w== [fileUNF]
icenes2017	Önnudóttir, Eva Heiða; Harðarson, Ólafur Þórður; Þórisdóttir, Hulda; Helgason, Agnar Freyr, 2021, “Íslenska kosningarannsóknin 2017”, https://doi.org/10.34881/1.00011 , GAGNÍS (DATICE), V1, UNF:6:ypxLPvXbFvTPNiu+DKBJg== [fileUNF]
icenes2021	Önnudóttir, Eva Heiða; Helgason, Agnar Freyr; Þórisdóttir, Hulda; Ólafsson, Jón Gunnar; Harðarson, Ólafur Þórður, 2023, “Íslenska kosningarannsóknin 2021”, https://doi.org/10.34881/0ERQOZ , GAGNÍS (DATICE), V1, UNF:6:7uXWgb9Md/iOotP7lyrMvA== [fileUNF]
icnl1985	A.J.A. Felling; J. Peters; P.L.H. Scheepers, 2009, ”Individual changes in the Netherlands 1985-1990”, https://doi.org/10.17026/dans-xp9-367a , DANS Data Station Social Sciences and Humanities, V3
icnl1990	A.J.A. Felling; J. Peters; P.L.H. Scheepers, 2009, ”Individual changes in the Netherlands 1985-1990”, https://doi.org/10.17026/dans-xp9-367a , DANS Data Station Social Sciences and Humanities, V3
ines_long	INES (2008). Irish National Election Study 2002-2007.
issp1985	ISSP Research Group (1986). International Social Survey Programme: Role of Government I - ISSP 1985. GESIS Data Archive, Cologne. ZA1490 Data file Version 1.0.0, https://doi.org/10.4232/1.1490 .
issp1991	ISSP Research Group (1993). International Social Survey Programme: Religion I - ISSP 1991. GESIS Data Archive, Cologne. ZA2150 Data file Version 1.0.0, https://doi.org/10.4232/1.2150 .
issp1996	ISSP Research Group (1999). International Social Survey Programme: Role of Government III - ISSP 1996. GESIS Data Archive, Cologne. ZA2900 Data file Version 1.0.0, https://doi.org/10.4232/1.2900 .
issp1998	ISSP Research Group (2000). International Social Survey Programme: Religion II - ISSP 1998. GESIS Data Archive, Cologne. ZA3190 Data file Version 1.0.0, https://doi.org/10.4232/1.3190 .
issp2001	ISSP Research Group (2003). International Social Survey Programme: Social Relations and Support Systems - ISSP 2001. GESIS Data Archive, Cologne. ZA3680 Data file Version 1.0.0, https://doi.org/10.4232/1.3680 .
issp2004	ISSP Research Group (2012): International Social Survey Programme 2004: Citizenship I (ISSP 2004). GESIS Data Archive, Cologne. ZA3950 Data file Version 1.3.0, doi: 10.4232/1.11372

Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
issp2006	ISSP Research Group (2021). International Social Survey Programme: Role of Government IV - ISSP 2006. GESIS Data Archive, Cologne. ZA4700 Data file Version 2.0.0, https://doi.org/10.4232/1.13707 .
issp2008	ISSP Research Group (2018). International Social Survey Programme: Religion III - ISSP 2008. GESIS Data Archive, Cologne. ZA4950 Data file Version 2.3.0, https://doi.org/10.4232/1.13161 .
issp2010	ISSP Research Group (2019). International Social Survey Programme: Environment III - ISSP 2010. GESIS Data Archive, Cologne. ZA5500 Data file Version 3.0.0, https://doi.org/10.4232/1.13271 .
issp2014	ISSP Research Group (2016): International Social Survey Programme: Citizenship II ISSP 2014. GESIS Data Archive, Cologne. ZA6670 Data file Version 2.0.0, doi: 10.4232/1.12590
issp2016	ISSP Research Group (2018): International Social Survey Programme: Role of Government V ISSP 2016. GESIS Data Archive, Cologne. ZA6900 Data file Version 2.0.0, doi: 10.4232/1.13052
issp2017	ISSP Research Group (2023). International Social Survey Programme: Environment IV - ISSP 2020. GESIS, Cologne. ZA7650 Data file Version 2.0.0, https://doi.org/10.4232/1.14153 .
issp2020	ISSP Research Group (2023). International Social Survey Programme: Environment IV - ISSP 2020. GESIS, Cologne. ZA7650 Data file Version 2.0.0, https://doi.org/10.4232/1.14153 .
itanes2001	Istituto Cattaneo, Italian National Election Studies, 2001 [Dataset]
itanes2013capi	Istituto Cattaneo, Italian National Election Studies, 2013 [Dataset]
jgss	Tanioka, Ichiro, Iwai, Noriko, Nitta, Michio, and Sato, Hiroki. Japanese General Social Surveys (JGSS) Cumulative Data, 2000-2003. Inter-university Consortium for Political and Social Research [distributor], 2008-12-08. https://doi.org/10.3886/ICPSR04472.v1
jgss2008	Osaka University of Commerce, Japan, Institute of Social Sciences, University of Tokyo, Japan, and Minister of Education, Culture, Sports, Science and Technology of Japan (2015). Japanese General Social Survey 2008 (JGSS 2008). GESIS Data Archive, Cologne. ZA5294 Data file Version 3.0.0, https://doi.org/10.4232/1.12361 .
jgss2010	Iwai, Noriko, Tanioka, Ichiro, and Maeda, Yukio (2015). Japanese General Social Survey 2010 (JGSS 2010). GESIS Data Archive, Cologne. ZA5352 Data file Version 3.0.0, https://doi.org/10.4232/1.12362 .
jgss2012	JGSS Research Center, Osaka University of Commerce, Japan (2016). Japanese General Social Survey 2012 (JGSS 2012). GESIS Data Archive, Cologne. ZA6427 Data file Version 2.0.0, https://doi.org/10.4232/1.12604 .
kobar1996	Shin, Doh Chull, 2010, Korea Barometer Survey 1996 [dataset]
kobar1997	Shin, Doh Chull, 2010, Korea Barometer Survey 1997 [dataset]
kobar1998	Shin, Doh Chull, 2010, Korea Barometer Survey 1998 [dataset]
kobar1999	Shin, Doh Chull, 2010, Korea Barometer Survey 1999 [dataset]
kobar2001	Shin, Doh Chull, 2010, Korea Barometer Survey 2001 [dataset]
kobar2004	Shin, Doh Chull, 2010, Korea Barometer Survey 2004 [dataset]
kobar2010	Shin, Doh Chull, 2013, Korea Barometer Survey 2010 [dataset]
lb1995	Corporación Latinobarómetro. Latinobarómetro 1995. June 27, 2014
lb1996	Corporación Latinobarómetro. Latinobarómetro 1996. June 27, 2014
lb1997	Corporación Latinobarómetro. Latinobarómetro 1997. June 27, 2014
lb1998	Corporación Latinobarómetro. Latinobarómetro 1998. June 27, 2014
lb2000	Corporación Latinobarómetro. Latinobarómetro 2000. June 27, 2014
lb2001	Corporación Latinobarómetro. Latinobarómetro 2001. June 27, 2014
lb2002	Corporación Latinobarómetro. Latinobarómetro 2002. June 27, 2014
lb2003	Corporación Latinobarómetro. Latinobarómetro 2003. June 27, 2014
lb2004	Corporación Latinobarómetro. Latinobarómetro 2004. June 27, 2014
lb2005	Corporación Latinobarómetro. Latinobarómetro 2005. June 27, 2014
lb2006	Corporación Latinobarómetro. Latinobarómetro 2006. June 27, 2014
lb2007	Corporación Latinobarómetro. Latinobarómetro 2007. June 27, 2014
lb2008	Corporación Latinobarómetro. Latinobarómetro 2008. June 27, 2014
lb2009	Corporación Latinobarómetro. Latinobarómetro 2009. June 27, 2014
lb2010	Corporación Latinobarómetro. Latinobarómetro 2010. June 27, 2014
lb2011	Corporación Latinobarómetro. Latinobarómetro 2011. February 27, 2017
lb2013	Corporación Latinobarómetro. Latinobarómetro 2013. February 27, 2017
lb2015	Corporación Latinobarómetro. Latinobarómetro 2015. February 27, 2017
lb2016	Corporación Latinobarómetro. Latinobarómetro 2016. February 5, 2017
lb2017	Corporación Latinobarómetro. Latinobarómetro 2017. January 17, 2018
lb2018	Corporación Latinobarómetro. Latinobarómetro 2018. March 3, 2019
lb2020	Corporación Latinobarómetro. Latinobarómetro 2020. September 30, 2021
lb2023	Corporación Latinobarómetro. Latinobarómetro 2023. December 9, 2023
lits_wave1	European Bank for Reconstruction and Development and World Bank (2006). Life in Transition Survey I.
lits_wave2	European Bank for Reconstruction and Development and World Bank (2010). Life in Transition Survey II.
lits_wave3	European Bank for Reconstruction and Development and World Bank (2016). Life in Transition Survey III.
neb_combo	Aarts, Kees, Bojan Todosijevic, and Harry van der Kaap. Dutch Parliamentary Election Study Cumulative Dataset, 1971-2006. ICPSR28221-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2010-09-13. http://doi.org/10.3886/ICPSR28221.v1
norcs2013_1	Ivarsflaten, Elisabeth et al. (2024). Norwegian Citizen Panel Round 1, 2013 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.18712/NSD-NSD2065-V9
norcs2014_3	Ivarsflaten, Elisabeth et al. (2024). Norwegian Citizen Panel Round 3, 2014 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.18712/NSD-NSD2165-V11
norcs2015_4	Elisabeth Ivarsflaten et al. (2024). Norwegian Citizen Panel Round 4, 2015 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.18712/NSD-NSD2342-V12
norcs2015_5	Ivarsflaten, Elisabeth et al. (2024). Norwegian Citizen Panel Round 5, 2015 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.18712/NSD-NSD2343-V11
norcs2016_6	Ivarsflaten, Elisabeth et al. (2024). Norwegian Citizen Panel Round 6, 2016 [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research. https://doi.org/10.18712/NSD-NSD2344-V11
nores2013	Institute for Social Research and Statistics Norway. (2022) Norwegian Election Survey 2013. [Data set] Sikt. https://doi.org/10.18712/NSD-NSD2215-V3

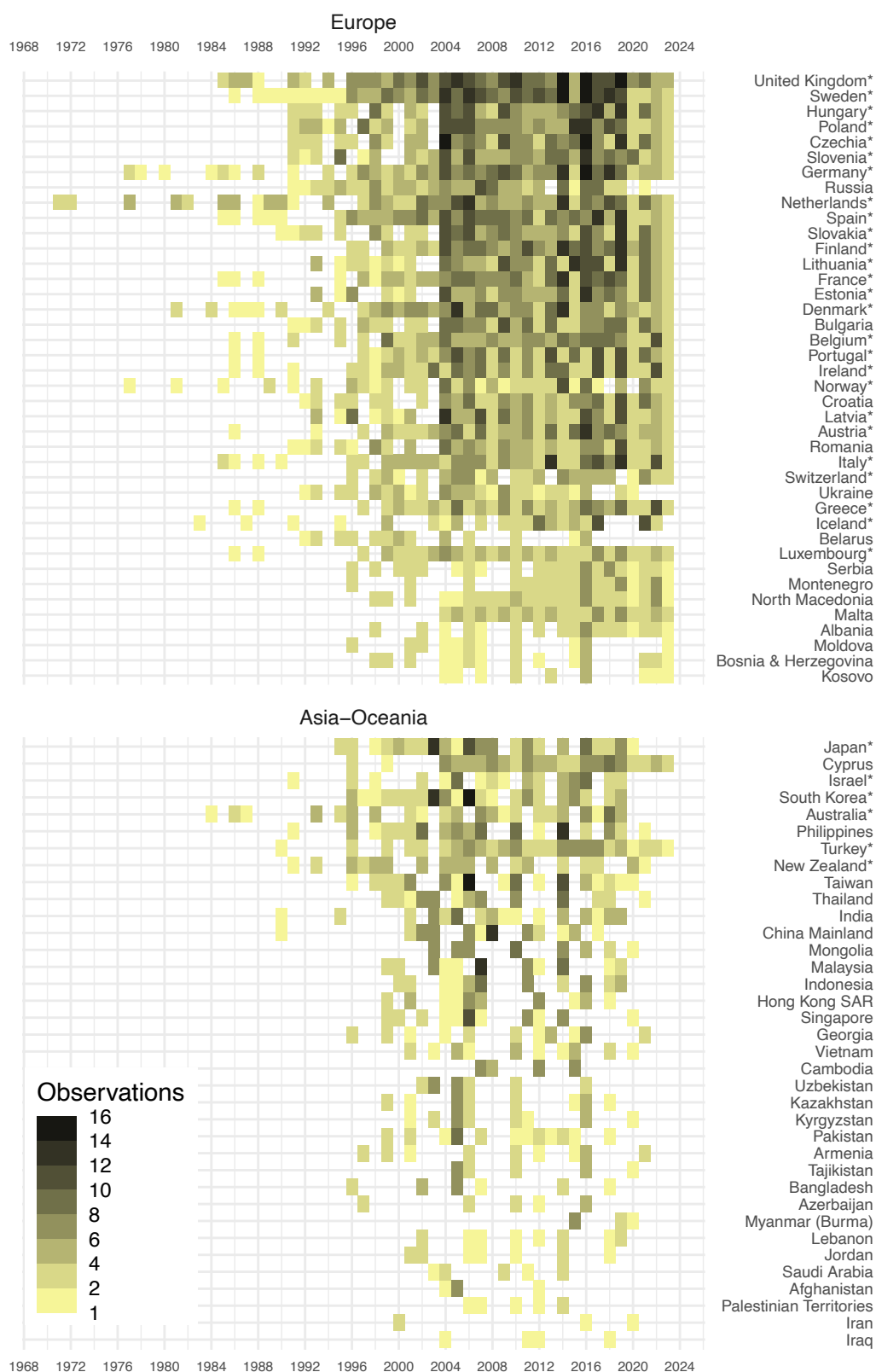
Table A2: Source Survey Information (*continued*)

Survey Dataset Code*	Citation
nores_combo1	Statistics Norway et al. (2022) Norwegian Election Survey time series 1977-1997. [Data set] Sikt. https://doi.org/10.18712/NSD-NSD1760-1-V3
nores_combo2	Statistics Norway and Institute for Social Research. (2022) Norwegian Election Survey time series, 2001-2009. [Data set] Sikt. https://doi.org/10.18712/NSD-NSD1760-2-V7
npes_combo	Aarts, Kees, Bojan Todosijevic, and Harry van der Kaap. Dutch Parliamentary Election Study Cumulative Dataset, 1971-2006. ICPSR28221-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2010-09-13. http://doi.org/10.3886/ICPSR28221.v1
nsss_combo	Kelley, Jonathan; Bean, Clive; Evans, Mariah D. R., 2019, "National Social Science Survey Integrated Data, 1984-1988", https://doi.org/10.26193/J3CN67 , ADA Dataverse, V2
nzes1993	Vowles, Jack; Aimer, Peter; Catt, Helena; Miller, Raymond; Lamare, Jim, 2019, "1993 New Zealand Election Study", doi:10.26193/9ODFXU, ADA Dataverse, V6
nzes1996	Vowles, Jack; Banducci, Susan; Karp, Jeffrey; Aimer, Peter; Catt, Helena; Miller, Raymond; Denmark, D, 2019, "1996 New Zealand Election Study", doi:10.26193/O0LRZZ, ADA Dataverse, V6
nzes1999	Vowles, Jack; Banducci, Susan; Karp, Jeffrey; Aimer, Peter; Miller, Raymond; Sullivan, Ann, 2019, "1999 New Zealand Election Study", doi:10.26193/UNGIXJ, ADA Dataverse, V6
nzes2002	Vowles, Jack; Banducci, Susan; Karp, Jeffrey; Aimer, Peter; Miller, Raymond, 2019, "2002 New Zealand Election Study", doi:10.26193/9DE0X4, ADA Dataverse, V6
nzes2005	Vowles, Jack; Banducci, Susan; Karp, Jeffrey; Miller, Raymond; Sullivan, Ann, 2022, "2005 New Zealand Election Study", doi:10.26193/WJ8DGC, ADA Dataverse, V3
nzes2008	Vowles, Jack; Banducci, Susan; Karp, Jeffrey; Miller, Raymond; Sullivan, Ann; Curtin, Jennifer, 2022, "2008 New Zealand Election Study", doi:10.26193/6CVEYM, ADA Dataverse, V3
nzes2011	Vowles, Jack; Cotterell, Gerard; Miller, Raymond; Curtin, Jennifer, 2022, "2011 New Zealand Election Study", doi:10.26193/YZDMF3, ADA Dataverse, V3
nzes2014	Vowles, Jack; Coffé, Hilde; Curtin, Jennifer; Cotterell, Gerard, 2022, "2014 New Zealand Election Study", doi:10.26193/MF9DNL, ADA Dataverse, V3
nzes2017	Vowles, Jack; McMillan, Kate; Barker, Fiona; Curtin, Jennifer; Hayward, Janine; Greaves, Lara; Crothers, Charles, 2022, "2017 New Zealand Election Study", doi:10.26193/28JJFB, ADA Dataverse, V3
nzes2020	Vowles, Jack; Barker, Fiona; Krewel, Mona; Hayward, Janine; Curtin, Jennifer; Greaves, Lara; Oldfield, Luke, 2022, "2020 New Zealand Election Study", doi:10.26193/BPAMYJ, ADA Dataverse, V3
pew2002	Pew Research Center (2002). Summer 2002 Survey Data.
pew2007	Pew Research Center (2007). Spring 2007 Survey Data.
pew2009	Pew Research Center (2009). Fall 2009 Survey Data.
pew2010	Pew Research Center (2010). Spring 2010 Survey Data.
pew2011	Pew Research Center (2011). Spring 2011 Survey Data.
pew2012	Pew Research Center (2012). Spring 2012 Survey Data.
pew2013	Pew Research Center (2013). Spring 2013 Survey Data.
pew2014	Pew Research Center (2013). Spring 2013 Survey Data.
pew2015	Pew Research Center (2015). Spring 2015 Survey Data.
pew2016	Pew Research Center (2016). Spring 2016 Survey Data.
pew2017	Pew Research Center (2017). Spring 2017 Survey Data.
pew2018	Pew Research Center (2018). Spring 2018 Survey Data.
pew2019	Pew Research Center (2019). Spring 2019 Survey Data.
pewrel2009_afr	Pew Research Center (2010). Tolerance and Tension: Islam and Christianity in Sub-Saharan Africa.
pewrel2015_ee	Pew Research Center (2017). Eastern European Survey Dataset.
pgss	Institute for Social Studies, University of Warsaw, 2019, Polish General Social Survey, 1991-2010 [dataset]
politbarometer_combo	Forschungsgruppe Wahlen, Mannheim (2017): Politbarometer 1977-2016 (Gesamtkumulation). GESIS Datenarchiv, Köln. ZA5100 Datenfile Version '1.0.0' doi:10.4223/1.5100
ress2014	European Social Survey European Research Infrastructure (ESS ERIC). (2018). ESS7 - Russia [Data set]. Sikt - Norwegian Agency for Shared Services in Education and Research.
sasianb1	Hu Fu Center for East Asian Democratic Studies, South Asian Barometer Wave 1 Merge [Dataset], April 18, 2017
som_combo	University of Gothenburg, SOM Institute. (2024). The National SOM Survey Cumulative Dataset (Version 13) [Data set]. University of Gothenburg. Available at: https://doi.org/10.5878/7k7n-yn39
usgss	Davern, Michael; Bautista, Rene; Freese, Jeremy; Herd, Pamela; and Morgan, Stephen L.; General Social Survey 1972-2022. [Machine-readable data file]. Principal Investigator, Michael Davern; Co-Principal Investigators, Rene Bautista, Jeremy Freese, Pamela Herd, and Stephen L. Morgan. NORC ed. Chicago, producer, 2023. Berkeley, CA: Computer-assisted Survey Methods Program (http://sda.berkeley.edu), University of California/ISA, distributor, 2023.
uspew2006_12val	Pew Research Center for the People and the Press. (2007). Pew Research Center Poll No. 2006-12POL: December 2006 Political Communications Study.
uspew2009_val	Pew Research Center for the People and the Press. (2009). Pew Research Center: April 2009 Values Survey (Version 2) [Dataset]. Cornell University, Ithaca, NY: Roper Center for Public Opinion Research. doi:10.25940/ROPER-31095980
uspew2011_09wk	Pew Research Center for the People and the Press. Pew Research Center Poll: September 2011 Generations Survey, 2011 [Dataset]. Roper No.31096044, Version 2. Princeton Survey Research Associates International [producer]. Cornell University, Ithaca, NY: Roper Center for Public Opinion Research [distributor]. doi:10.25940/ROPER-31096044
uspew_valcombo	Pew Research Center for the People and the Press. Pew Research Center Poll: 1987 to 2003 Values Merge File, 1987 [Dataset]. Roper No.31095812, Version 3. Princeton Survey Research Associates International [producer]. Cornell University, Ithaca, NY: Roper Center for Public Opinion Research [distributor]. doi:10.25940/ROPER-31095812

Table A2: Source Survey Information (*continued*)

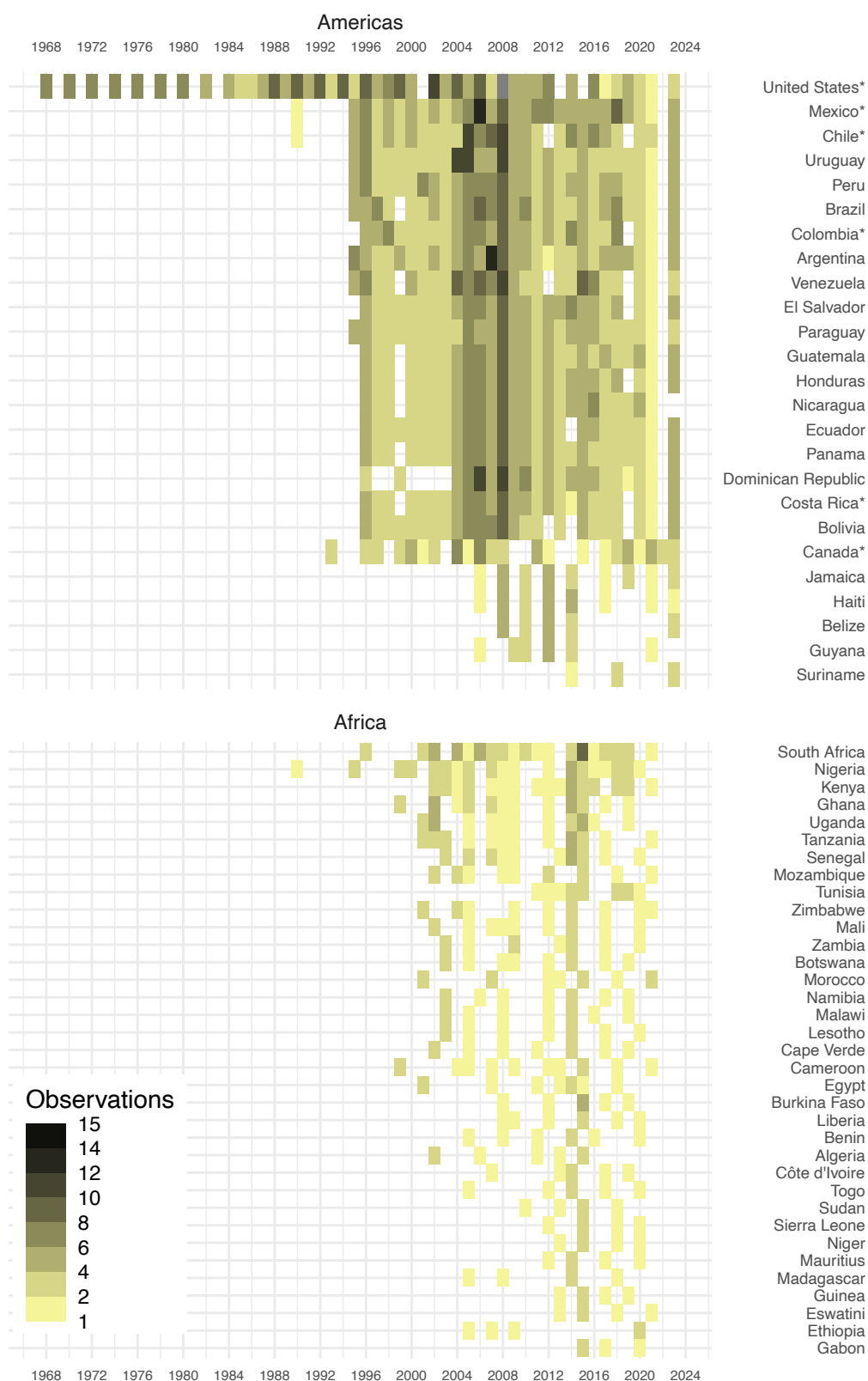
Survey Dataset Code*	Citation
wvs_combo	Inglehart, R., C. Haerpfer, A. Moreno, C. Welzel, K. Kizilova, J. Diez-Medrano, M. Lagos, P. Norris, E. Ponarin and B. Puranen (eds.). 2022. World Values Survey: All Rounds - Country-Pooled Datafile. Madrid, Spain and Vienna, Austria: JD Systems Institute and WVSA Secretariat. Dataset Version 3.0.0. doi:10.14281/18241.17

* Survey dataset codes correspond to those used in the DCPOtools R package.



Starred countries are OECD democracies, the sample employed in the analysis of public political discontent presented in the main text.

Figure A1: Source Data Observations by Country/Region and Year



Starred countries are OECD democracies, the sample employed in the analysis of public political discontent presented in the main text.

Figure A2: Source Data Observations by Country/Region and Year, cont.

A2 The DCPO Model

Several recent studies have developed latent variable models of aggregate survey responses based on cross-national survey data (see Claassen 2019; Caughey, O’Grady, and Warshaw 2019; McGann, Dellepiane-Avellaneda, and Bartle 2019; Kołczyńska et al. 2024). To estimate the extent of political discontent in the public across countries and over time, this study employs the latest of these methods suited to data that are both incomparable and sparse, the Dynamic Comparative Public Opinion (DCPO) model elaborated in Solt (2020b). Solt (2020b) demonstrates that the DCPO model provides a better fit to comparative survey data than the models put forward by Claassen (2019) or Caughey, O’Grady, and Warshaw (2019). The McGann, Dellepiane-Avellaneda, and Bartle (2019) model depends on dense survey data unlike the sparse data on political discontent described in the preceding section. Kołczyńska et al. (2024) builds on each of these earlier models, but the MRP approach developed in that work is suitable only when the available survey data are dense and when ancillary data on population characteristics are available, making it similarly inappropriate for this application. The dyad ratio algorithm employed in Peterson et al. (2022), meanwhile, leverages only over-time variation within a single country and not variation across countries, making it less geared toward generating cross-national estimates (see Caughey, O’Grady, and Warshaw 2019, 686).

The DCPO model is a population-level two-parameter ordinal logistic item response theory (IRT) model with country-specific item-bias terms. The central challenge the model addresses is that the source data comprise heterogeneous surveys that differ in question wording, response scales, sampling designs, and field administration—differences that, if ignored, would render cross-national and over-time comparison meaningless. Rather than assuming comparability, DCPO treats each survey question as its own imperfect indicator of the latent trait and explicitly estimates the parameters that link observed responses to the underlying quantity of interest. Three sets of parameters do the substantive work of resolving incomparability; a fourth mechanism handles sparsity. Each is discussed in turn below, followed by the formal specification of the model.

A2.1 Addressing Incomparability

The first parameter set, *difficulty* (β_{qr}), represents the level of the latent trait needed for a respondent to endorse a particular response option of a survey question. That each response evinces a varying level of political discontent is most easily seen with regard to the ordinal responses to the same survey item: responding “strongly agree” to the statement “people like me don’t have any say about what the government does” exhibits more political discontent than choosing “agree,” which is a more discontented response than “disagree,” which in turn is more discontented than “strongly disagree.” More importantly, the difficulty parameter varies across different survey items. For example, strongly agreeing that “there is widespread corruption among those who govern the country” likely expresses even more discontent than strongly agreeing that “people like me can probably vote, but we cannot do anything else to influence politics.” By estimating separate difficulty parameters for every response category of every question, DCPO places all items on a common scale—enabling comparison even when the original questions differ substantially in wording and response options. This is the primary mechanism by which the model converts heterogeneous survey data into commensurable information about a single latent trait.

The second parameter set, *dispersion* (α_q), captures each question’s noisiness relative to the latent variable. A survey question may confuse some respondents or may not align cleanly with the concept of political discontent; such a question will exhibit high dispersion. On the contrary, the lower the dispersion, the better that changes in responses to the question map onto changes in discontent. The dispersion parameter matters because it downweights noisier items when the model forms its estimate, so poorly performing questions exert less influence on the results. This feature directly addresses the concern that stitching together diverse surveys might simply average over incompatible signals: instead, the model learns how informative each question is and lets more informative questions shape the estimates more strongly. As shown in Table A1, the dispersion estimates indicate that the survey items differ in noise but, overall, contribute informative signals about the single latent variable of political discontent.

The third parameter set, *country-specific item bias* (δ_{kq}), shifts the difficulty of all responses for a particular question in a particular country. Translation issues, cultural differences in response styles, or other idiosyncrasies of a country can render the same survey item not equivalent in its performance there relative to other national contexts; this lack of equivalence is made empirically distinguishable from a difference in discontent by the country’s contemporary responses to other included survey items. The δ_{kq} terms absorb these country-level deviations in an item’s performance, preventing them from biasing cross-national comparisons. Estimating δ_{kq} requires repeated administrations of question q in country k , so when responses to question q are observed in country k in only a single year, the DCPO model sets δ_{kq} to zero by assumption, increasing the error of the model by any country-item bias that is present. Questions that are asked repeatedly over time in only a single country pose no risk of country-specific item bias, so δ_{kq} in such cases are also set to zero.

Together, these three parameter sets represent not a “magic trick” but rather the standard logic of item response theory applied at the population level: each survey question is treated as its own imperfect measurement instrument, and the model estimates the characteristics of every instrument so that the underlying trait can be recovered despite the instruments’ differences. This approach is not only increasingly commonly employed in political science, as noted above, but also analogous to that used in educational testing, where students take different test forms that contain different items, yet their abilities are placed on a common scale through the estimation of item parameters (De Boeck and Wilson 2004; Fox 2010).

A2.2 Addressing Sparsity

To address the sparsity of the source data—the fact that many country-year cells contain no observations at all, and even many observed country-years have only one or a few survey items—DCPO uses simple local-level dynamic linear models, i.e., random-walk priors, for each country. Within each country, each year’s value of public political discontent is modeled as the previous year’s estimate plus a random shock. These dynamic priors smooth the estimates over time and allow estimation even in years for which little or no survey data are available, albeit at the expense of greater measurement uncertainty: the posterior intervals for unobserved or thinly observed country-years are wider, transparently reflecting the limitations of the source data.

A2.3 Sampling, Item Nonresponse, and Question Sensitivity

Because the DCPO model operates on aggregate response distributions rather than individual-level microdata, several design-level features of the source surveys merit explicit discussion.

Sampling strategy differences within countries. The surveys that contribute data to a given country-year often differ in their sampling designs—probability versus non-probability samples, varying population definitions (e.g., age cutoffs, minority inclusion, territorial exclusions), and different weighting procedures. DCPO mitigates these differences in two ways. First, survey weights, where available, are incorporated in the source data (and the `DCPOtools` package applies them automatically), which reduces distortions from known design features. Second, country-specific item bias terms can absorb persistent, systematic survey-specific shifts within a country–item series. However, because the DCPO model does not poststratify to external population margins, time-varying sample-representation differences within a country–item series may not be fully removed.

This is a limitation the model shares with many cross-national survey aggregation strategies, and it underscores the importance of the validation tests presented in the main text, which assess whether these residual design effects are consequential enough to undermine the resulting estimates.

Item nonresponse. Missing responses at the item level—whether from respondents declining to answer a question or from “don’t know” responses excluded by the survey organization—reduce the effective sample size (n_{ktqr}) for the affected question in a given country-year. The DCPO model accommodates this straightforwardly: n_{ktqr} reflects only respondents who provided a substantive response, and the beta-binomial likelihood accounts for the resulting sampling variability. When item nonresponse is extensive, the effective sample shrinks, widening the posterior uncertainty for that observation and thereby limiting its influence on the country-year estimate.

Question sensitivity and differential nonresponse. Certain survey questions—such as those about corruption or trust in political institutions—may induce differential non-response or social-desirability bias, producing response distributions that deviate from what the latent trait alone would predict. The DCPO model addresses this through two channels. First, if sensitivity inflates the noise in a question’s responses, the dispersion parameter (α_q) absorbs this excess variability, effectively downweighting the question’s contribution to the estimate. Second, if a question’s sensitivity operates differently across national contexts—for example, because political conditions make certain topics more taboo in some countries than in others—the country-specific item bias term (δ_{kq}) captures these context-dependent deviations. These mechanisms do not eliminate sensitivity-related measurement error entirely, but they prevent it from systematically distorting the cross-national estimates by isolating it in question-level and country-question-level parameters rather than allowing it to propagate into the latent trait.

A2.4 Formal Specification

DCPO models the total number of survey responses expressing at least as much discontent as response category r to each question q in country k at time t , y_{ktqr} , out of the total number of respondents surveyed, n_{ktqr} , using the beta-binomial distribution:

$$a_{ktqr} = \phi \eta_{ktqr} \tag{1}$$

$$b_{ktqr} = \phi(1 - \eta_{ktqr}) \quad (2)$$

$$y_{ktqr} \sim \text{BetaBinomial}(n_{ktqr}, a_{ktqr}, b_{ktqr}) \quad (3)$$

where ϕ represents an overall dispersion parameter to account for additional sources of survey error beyond sampling error and η_{ktqr} is the expected probability that a random person in country k at time t answers question q with a response at least as discontented as response r .¹

This expected probability, η_{ktqr} , is in turn estimated as follows:

$$\eta_{ktqr} = \text{logit}^{-1}\left(\frac{\bar{\theta}'_{kt} - (\beta_{qr} + \delta_{kq})}{\sqrt{\alpha_q^2 + (1.7 * \sigma_{kt})^2}}\right) \quad (4)$$

In this equation, β_{qr} represents the difficulty of response r to question q , that is, the degree of political discontent the response expresses. The δ_{kq} term represents country-specific item bias: the extent to which all responses to a particular question q may be more (or less) difficult in a given country k due to translation issues, cultural differences in response styles, or other idiosyncrasies that render the same survey item not equivalent across countries. The dispersion of question q , its noisiness in relation to the latent variable, is α_q . The mean and standard deviation of the unbounded latent trait of public political discontent are $\bar{\theta}'_{kt}$ and σ_{kt} , respectively.

Random-walk priors are used to account for the dynamics in $\bar{\theta}'_{kt}$ and σ_{kt} , and weakly informative priors are placed on the other parameters.² The dispersion parameters α_q are constrained to be positive and all survey responses are coded with high values indicating more political discontent to fix direction. The difficulty β of “run by a few big interests” to the oft-asked question “would you say that this country is run by a few big interests looking out for themselves, or that it is run for the benefit of all the people?” is set to 1 to identify location, and for each question q the difficulties for increasing response categories r are constrained to be increasing. The sum of δ_{kq} across all countries k is set to zero for each question q :

$$\sum_{k=1}^K \delta_{kq} = 0 \quad (5)$$

Finally, the logistic function is used to transform $\bar{\theta}'_{kt}$ to the unit interval and so give the bounded mean of political discontent, $\bar{\theta}_{kt}$, which is our parameter of interest here.

¹The ordinal responses to question q are coded to range from 1 (expressing the least political discontent) to R (expressing the most political discontent), and r takes on all values greater than 1 and less than or equal to R .

²The dispersion parameters α_q are drawn from standard half-normal prior distributions, that is, the positive half of $N(0, 1)$. The first difficulty parameters for each question, β_{q1} , are drawn from standard normal prior distributions, and the differences between β s for each r for the same question q are drawn from standard half-normal prior distributions. The item-bias parameters δ_{kq} receive normally-distributed hierarchical priors with mean 0 and standard deviations drawn from standard half-normal prior distributions. The initial value of the mean unbounded latent trait for each country, $\bar{\theta}'_{k1}$, is assigned a standard normal prior, as are the transition variances $\sigma_{\theta'}^2$ and σ_{σ}^2 ; the initial value of the standard deviation of the unbounded latent trait for each country, σ_{k1} , is drawn from a standard lognormal prior distribution. The overall dispersion, ϕ , receives a somewhat more informative prior drawn from a gamma(4, 0.1) distribution that yields values that are well scaled for that parameter.

Table A3

	(1)
Time Trend	0.099 [0.038, 0.162]
Election Year	-0.491 [-1.062, 0.066]
Parliamentarism	-0.547 [-2.366, 1.282]
Federalism	-0.761 [-6.124, 5.228]
Disproportionality, Mean	0.444 [-0.078, 0.980]
Disproportionality, Difference	0.021 [-0.099, 0.143]
GDPpc, Mean	-0.319 [-0.502, -0.139]
GDPpc, Difference	-0.044 [-0.123, 0.036]
GDP Growth, Mean	0.532 [-1.525, 2.436]
GDP Growth, Difference	-0.196 [-0.301, -0.094]
Unemployment, Mean	0.627 [-0.129, 1.361]
Unemployment, Difference	0.688 [0.579, 0.800]
Income Inequality, Mean	-0.016 [-0.329, 0.309]
Income Inequality, Difference	-0.386 [-0.618, -0.160]
Num.Obs.	1217
R2	0.784
RMSE	4.65

Unstandardized coefficients with associated 95-percent credible intervals in brackets below.

A3 Numeric Results

A3.1 Tabular Version of Results Presented in Figure 6

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