

The changing prioritisation of environmental protection in Britain: 1982-2019

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Online Appendix

Appendix A: List of data sources:

1982 Eurobarometer:

- European Commission (2012a) Eurobarometer 18 (October 1982). GESIS Data Archive. Datafile V. Köln. DOI: <https://doi.org/10.4232/1.10873>.

1985/1988 Gallup:

- Social Surveys (Gallup Poll) Limited (1985) British Gallup Poll CQ967A. Ithaca: Roper Centre for Public Opinion Research. DOI: <https://doi.roper.center/?doi=10.25940/ROPER-31083693>.
- Social Surveys (Gallup Poll) Limited (1988) British Gallup Poll CQ843A. Ithaca: Roper Centre for Public Opinion Research. DOI: <https://doi.roper.center/?doi=10.25940/ROPER-31073519>.

1992 Health of the Planet survey:

- Dunlap RE, Gallup GH and Gallup AM (1993) International public opinion toward the environment. *Impact Assessment* 11(2): 113–143.

2001/2004 Gallup:

- Jones JM (2001) British Public Views Bush Unfavourably: Has more positive assessment of Bill Clinton. Gallup. <https://news.gallup.com/poll/1792/british-public-views-bush-unfavorably.aspx>.
- Winseman AL (2004) Environment situations in U.S., Britain, Canada. Gallup. <https://news.gallup.com/poll/11839/environmental-situations-us-britain-canada.aspx>.

2004/2007 Eurobarometer:

- European Commission (2012b) Eurobarometer 62.1 (Oct-Dec 2004). ZA4230 dat. Cologne: GESIS Data Archive. DOI: <https://doi.org/10.4232/1.10963>.
- European Commission (2012c) Eurobarometer 68.2 (Nov-Dec 2007). ZA4742 dat. Cologne: GESIS Data Archive. DOI: <https://doi.org/10.4232/1.10986>.

2005 World Values Study:

- Inglehart R, Haerpfer C, Moreno A, et al. (2018) World Values Survey Longitudinal Data v.20180912. World Values Survey Association. Madrid: JD Systems Institute. www.worldvaluesurvey.org

2018 European Values Study:

- European Values Study (2020) European Values Study 2017: Integrated Dataset (EVS 2017). ZA7500 Dat. Cologne: GESIS Data Archive. DOI: <https://doi.org/10.4232/1.13511>.

2019 Pew International Social Science Survey:

Pew Research Centre (2020), International Science Survey 2019-2020, <https://www.pewresearch.org/science/dataset/international-science-survey/>

1988-2019 IPSOS Issues Index:

- Ipsos MORI (2020) Issues Index Archive. Ipsos MORI. <https://www.ipsos.com/ipsos-mori/en-uk/issues-index-archive>

Appendix B: Models using an alternative specification for age completed education

Table B1: Summary of brackets for age completed education

	1982		1985		1988		2005		2018	
	Age finished education	%	Age finished education	%	Age finished education	%	Age finished education	%	Age finished education	%
Bracket 1	<15	29%	<15	28%	<15	21%	<16	25%	<16	19%
Bracket 2	15	24%	15	21%	15	20%	16	25%	16	26%
Bracket 3	16	23%	16	25%	16	26%	17-20	24%	17-20	27%
Bracket 4	17-18	12%	17-18	14%	17-18	15%	21-22	13%	21-22	15%
Bracket 5	>18	12%	>18	12%	>18	18%	>22	13%	>22	13%

Table B2: Prioritisation of environmental protection logistic regressions with alternative specification for age completed education

Year	1982		1985		1988		2018	
	Coef	s.e.	Coef	s.e.	Coef	s.e	Coef	s.e.
Age (65+)								
18-24	0.7	(0.39)	0.41	(0.40)	-0.15	(0.52)	-0.65	(0.36)
25-34	0.87*	(0.36)	0.36	(0.36)	-0.01	(0.49)	-0.51	(0.30)
35-44	1.00**	(0.36)	0.39	(0.36)	0.30	(0.51)	-0.36	(0.29)
45-54	0.77*	(0.35)	0.31	(0.35)	-0.23	(0.48)	-0.12	(0.27)
55-64	0.35	(0.29)	0.54	(0.29)	-0.16	(0.36)	-0.03	(0.24)
Party (Conservative)								
Labour	0.20	(0.20)	0.05	(0.21)	0.38	(0.22)	0.05	(0.15)
Lib/LD/SDP	0.27	(0.20)	-0.00	(0.19)	0.51	(0.32)	0.76**	(0.26)
SNP	...	...	...	...	...	...	0.39	(0.37)
Green	...	...	...	...	...	...	1.52***	(0.36)
UKIP	...	...	...	...	...	...	0.24	(0.34)
Other	-0.30	(0.50)	0.53	(0.69)	0.22	(0.52)	-0.31	(0.44)
DK/Depends/None	-0.23	(0.23)	0.17	(0.25)	0.15	(0.28)	-0.10	(0.18)
Female	-0.41*	(0.18)	0.18	(0.17)	-0.05	(0.20)	0.01	(0.12)
Age finished education (Bracket 1)								
Bracket 2	0.09	(0.25)	0.18	(0.26)	0.19	(0.34)	0.13	(0.18)
Bracket 3	0.33	(0.27)	0.43	(0.26)	0.34	(0.32)	0.53**	(0.19)
Bracket 4	0.22	(0.29)	0.06	(0.29)	0.62	(0.37)	1.18***	(0.23)
Bracket 5	0.85*	(0.33)	0.65*	(0.32)	1.01*	(0.41)	1.05***	(0.23)
Employment Status (Employed)								
Unemployed	-0.02	(0.27)	-0.54	(0.33)	-0.32	(0.39)	-0.07	(0.27)
Retired	0.52	(0.31)	-0.14	(0.31)	-0.07	(0.39)	-0.62**	(0.23)
Home duties	0.09	(0.22)	-0.01	(0.24)	0.19	(0.30)	-0.51	(0.30)
Student	...	...	0.67	(0.69)	0.68	(0.81)	-0.46	(0.41)
Other	...	...	...	...	...	...	0.11	(0.34)
Constant	-0.43	(0.32)	-0.02	(0.35)	0.92*	(0.45)	0.29	(0.26)
Pseudo R-sq	0.04		0.03		0.03		0.07	
N. of cases	837		838		809		1657	

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses

Table B3: Prioritisation of environmental protection logistic regressions with left-right orientations and postmaterialism index and alternative specification for age completed education

	1982		2005		2018	
	Coef.	s.e.	Coef.	s.e.	Coef.	s.e.
Age (65+)						
18-24	0.45	(0.41)	-0.50	(0.47)	-0.97*	(0.38)
25-34	0.68	(0.38)	0.04	(0.45)	-0.78*	(0.31)
35-44	0.86*	(0.38)	0.14	(0.43)	-0.54	(0.29)
45-54	0.69	(0.37)	0.33	(0.44)	-0.20	(0.28)
55-64	0.15	(0.31)	0.24	(0.36)	-0.10	(0.25)
Left-right self-placement	-0.01	(0.04)	-0.06	(0.04)	-0.15***	(0.03)
Postmaterialist index (Materialist)						
Mixed	0.52**	(0.19)	0.09	(0.27)	0.11	(0.20)
Postmaterialist	0.75**	(0.29)	0.48	(0.31)	0.47*	(0.22)
Female	-0.44*	(0.19)	0.15	(0.17)	-0.05	(0.12)
Age finished education (Bracket 1)						
Bracket 2	0.13	(0.27)	0.40	(0.25)	0.27	(0.19)
Bracket 3	0.38	(0.28)	0.40	(0.26)	0.71***	(0.19)
Bracket 4	0.23	(0.31)	0.59	(0.31)	1.38***	(0.23)
Bracket 5	0.90**	(0.33)	0.78*	(0.32)	1.12***	(0.23)
Employment Status (Employed)						
Unemployed	-0.04	(0.29)	-0.52	(0.32)	-0.14	(0.27)
Retired	0.44	(0.32)	-0.40	(0.37)	-0.59*	(0.24)
Home duties	0.08	(0.23)	-0.65*	(0.31)	-0.48	(0.33)
Student	...	...	0.04	(0.49)	-0.44	(0.43)
Other	...	...	-0.49	(0.53)	-0.13	(0.35)
Constant	-0.54	(0.43)	0.39	(0.54)	1.05**	(0.38)
Pseudo R-sq	0.05		0.04		0.07	
N. of cases	753		772		1547	

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses;

Table B4: Prioritisation of environmental protection logistic regressions with left-right orientations, postmaterialism index and party preference and alternative specification for age completed education

	1982		2018	
	Coef.	s.e.	Coef.	s.e.
Age (65+)				
18-24	0.39	(0.42)	-0.77	(0.40)
25-34	0.59	(0.38)	-0.61	(0.31)
35-44	0.78*	(0.38)	-0.38	(0.30)
45-54	0.67	(0.37)	-0.11	(0.28)
55-64	0.10	(0.31)	-0.06	(0.26)
Party (Conservative)				
Labour	0.29	(0.25)	-0.26	(0.18)
Lib/LD/SDP	0.27	(0.22)	0.47	(0.27)
SNP	...	...	0.10	(0.39)
Green	...	...	1.72***	(0.44)
UKIP	...	...	0.15	(0.35)
Other	-0.29	(0.54)	-0.64	(0.48)
DK/Depends/None	-0.40	(0.27)	-0.31	(0.21)
Left-right self-placement	0.02	(0.05)	-0.16***	(0.04)
Postmaterialist index (Materialist)				
Mixed	0.55**	(0.19)	0.14	(0.21)
Postmaterialist	0.75**	(0.29)	0.52*	(0.23)
Female	-0.40*	(0.19)	-0.07	(0.12)
Age finished education (Bracket 1)				
Bracket 2	0.16	(0.27)	0.26	(0.19)
Bracket 3	0.45	(0.29)	0.66***	(0.20)
Bracket 4	0.25	(0.31)	1.25*	(0.24)
Bracket 5	0.92**	(0.34)	1.00***	(0.24)
Employment Status (Employed)				
Unemployed	-0.08	(0.29)	-0.11	(0.28)
Retired	0.45	(0.32)	-0.52*	(0.24)
Home duties	0.05	(0.24)	-0.47	(0.34)
Student	...	...	-0.59	(0.45)
Other	...	...	-0.12	(0.36)
Constant	-0.79	(0.50)	1.07*	(0.42)
Pseudo R-sq		0.06		0.09
N. of cases		753		1540

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses

Appendix C: Supplementary/full models

Table C1: Prioritisation of environmental protection logistic regressions – 2019 data

	2019	
	Coef.	s.e.
Age (65+)		
18-24	0.28	(0.32)
25-34	0.11	(0.31)
35-44	0.54	(0.33)
45-54	-0.05	(0.27)
55-64	0.16	(0.27)
Party (Conservative)		
Labour	0.48	(0.25)
LD	1.30**	(0.41)
SNP	0.62	(0.61)
Green	1.22*	(0.58)
Brexit	0.49	(0.47)
Other	0.08	(0.50)
DK/Depends/None	0.73**	(0.23)
Female	-0.03	(0.18)
Education (GCSE or less)		
A-level/Higher National Certificate/ Foundation degree/Higher Education Diploma	0.36	(0.21)
University	1.00***	(0.24)
Constant	0.43	(0.21)
Pseudo R-sq		0.06
N. of cases		1,355

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses

Table C2: Prioritisation of environmental protection logistic regressions with left-right orientations and postmaterialism index – full tables

	1982		2005		2018	
	Coef.	s.e.	Coef.	s.e.	Coef.	s.e.
Age (65+)						
18-24	0.45	(0.41)	-0.52	(0.47)	-0.92*	(0.38)
25-34	0.68	(0.38)	0.03	(0.45)	-0.78*	(0.31)
35-44	0.85*	(0.38)	0.13	(0.43)	-0.55	(0.29)
45-54	0.68	(0.37)	0.32	(0.44)	-0.19	(0.28)
55-64	0.15	(0.31)	0.23	(0.36)	-0.09	(0.25)
Left-right self-placement	-0.01	(0.04)	-0.06	(0.04)	-0.15***	(0.03)
Postmaterialist index (Materialist)						
Mixed	0.53**	(0.19)	0.10	(0.27)	0.11	(0.21)
Postmaterialist	0.75**	(0.29)	0.49	(0.31)	0.45*	(0.23)
Female	-0.43*	(0.19)	0.15	(0.17)	-0.05	(0.12)
Age finished education (14 or less)						
15	0.13	(0.27)	0.02	(0.32)	0.33	(0.35)
16	0.38	(0.28)	0.42	(0.32)	0.55	(0.34)
17/18	0.23	(0.31)	0.40	(0.34)	0.81*	(0.35)
19/20	0.64	(0.55)	0.49	(0.41)	1.42***	(0.39)
21+	0.96**	(0.36)	0.70*	(0.33)	1.53***	(0.34)
Employment Status (Employed)						
Unemployed	-0.03	(0.29)	-0.51	(0.32)	-0.17	(0.27)
Retired	0.43	(0.32)	-0.40	(0.37)	-0.58*	(0.24)
Home duties	0.07	(0.23)	-0.65*	(0.31)	-0.46	(0.34)
Student	...	...	0.05	(0.49)	-0.52	(0.44)
Other	...	...	-0.49	(0.53)	-0.14	(0.35)
Constant	-0.55	(0.43)	0.38	(0.57)	0.77	(0.48)
Pseudo R-sq	0.05		0.04		0.07	
N. of cases	753		772		1547	

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses;

Table C3: Prioritisation of environmental protection logistic regressions with left-right orientations and postmaterialism index (including party preference)

	1982		2018	
	Coef.	s.e.	Coef.	s.e.
Age (65+)				
18-24	0.40	(0.41)	-0.73	(0.39)
25-34	0.60	(0.38)	-0.61	(0.31)
35-44	0.78*	(0.38)	-0.40	(0.30)
45-54	0.67	(0.37)	-0.10	(0.29)
55-64	0.09	(0.31)	-0.06	(0.26)
Party (Conservative)				
Labour	0.29	(0.25)	-0.28	(0.18)
Lib/LD/SDP	0.27	(0.22)	0.47	(0.27)
SNP	...	...	0.11	(0.39)
Green	...	...	1.71***	(0.45)
UKIP	...	...	0.14	(0.35)
Other	-0.28	(0.54)	-0.70	(0.47)
DK/Depends/None	-0.41	(0.27)	-0.30	(0.21)
Left-right self-placement	0.02	(0.05)	-0.16***	(0.04)
Postmaterialist index (Materialist)				
Mixed	0.56**	(0.19)	0.15	(0.21)
Postmaterialist	0.76**	(0.29)	0.52*	(0.23)
Female	-0.39*	(0.19)	-0.07	(0.12)
Age finished education (14 or less)				
15	0.16	(0.27)	0.34	(0.35)
16	0.45	(0.29)	0.53	(0.34)
17/18	0.25	(0.31)	0.76*	(0.35)
19/20	0.64	(0.57)	1.39***	(0.39)
21+	0.99**	(0.37)	1.42***	(0.35)
Employment Status (Employed)				
Unemployed	-0.07	(0.29)	-0.14	(0.28)
Retired	0.44	(0.32)	-0.51*	(0.25)
Home duties	0.04	(0.24)	-0.44	(0.35)
Student	...	...	-0.67	(0.45)
Other	...	...	-0.13	(0.36)
Constant	-0.79	(0.50)	0.80	(0.51)
Pseudo R-sq		0.06		0.09
N. of cases		753		1540

* p<0.05, ** p<0.01, *** p<0.001; coefficients are log-odds ratios; standard errors in parentheses