

## Supplemental Materials

### Do Needs For Security and Certainty Predict Cultural and Economic Conservatism? A Cross-National Analysis

by Malka et al., 2014, *Journal of Personality and Social Psychology*

<http://dx.doi.org/10.1037/a0036170>

Table S1

#### *Descriptive Statistics by Nation*

Variable	Andorra		Argentina		Australia		Brazil		Bulgaria		Burkina Faso		Canada		Chile	
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
<i>Individual-level variables</i>																
Right-wing identification	-.12	.22	-.02	.21	-.02	.22	-.03	.27	-.11	.24	-.12	.29	-.03	.21	-.04	.24
Opp. homosexuality	-.48	.30	-.18	.40	-.21	.37	-.04	.33	-.02	.34	.24	.22	-.20	.36	-.13	.35
Opp. abortion	-.35	.32	.06	.34	-.21	.34	.16	.26	-.20	.35	.16	.27	-.08	.32	.12	.28
Supp. preferential hiring of men	-.30	.24	-.06	.43	-.14	.36	-.09	.41	-.02	.41	.21	.46	-.21	.35	.02	.43
Opp. immigration	-.05	.17	-.01	.27	.01	.20	.04	.27	-.03	.26	-.22	.24	.02	.22	.03	.24
Supp. harsh punishment of criminals	.01	.31	.07	.33	-.01	.32	-.20	.37	-.04	.37	.06	.30	-.04	.30	-.10	.33
Supp. income inequality	.03	.27	-.06	.37	-.03	.28	-.03	.35	-.03	.31	.13	.31	-.03	.27	-.12	.33
Supp. private business ownership	.05	.24	-.18	.32	.05	.26	-.01	.34	-.05	.30	.03	.30	.11	.25	-.11	.27
Opp. social welfare programs	-.04	.27	-.01	.36	.09	.29	-.07	.33	-.10	.30	-.06	.33	.11	.28	-.02	.31
Right-wing	-.23	.16	-.02	.20	-.11	.20	-.02	.17	-.06	.17	.10	.16	-.10	.19	-.01	.18

cultural composite																
Right-wing economic composite	.01	.16	-.08	.23	.04	.19	-.04	.19	-.06	.22	.03	.19	.06	.18	-.09	.21
Sex	.00	.50	.03	.50	.05	.50	.08	.49	.04	.50	-.01	.50	.08	.49	.05	.50
Age	-.03	.17	-.01	.22	.09	.21	-.04	.20	.05	.21	-.10	.17	.07	.22	.00	.21
Education level	.07	.29	-.05	.23	.18	.27	-.06	.24	.06	.27	-.28	.22	.07	.27	.00	.25
Income level	.09	.19	Na	na	.04	.33	-.06	.24	-.11	.19	-.11	.22	.09	.32	-.06	.21
NSC (conservation values)	-.05	.14	-.01	.14	-.02	.15	.05	.13	.03	.14	.00	.13	-.02	.15	.00	.16
<ems>Political engagement	-.01	.21	-.14	.22	.09	.19	-.01	.21	-.08	.21	-.04	.21	.03	.22	-.13	.22
<ems>N	1,003		1,002		1,421		1,500		1,001		1,534		2,164		1,000	
<i>Nation-level variables</i>																
Human development	na		.15		.30		.03		.07		-.69		.30		.15	
Ideological constraint	.41		.11		.54		-.19		-.33		-.10		.36		.05	
Location outside Eastern Europe	.50		.50		.50		.50		-.50		.50		.50		.50	
NSC internal consistency	.14		-.09		.17		-.20		.17		-.24		.03		.16	
Variable	China	Cyprus	Egypt	Ethiopia	Finland	France	Georgia	Germany								
	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>	<i>M SD</i>								
<i>Individual-level variables</i>																
Right-wing identification	na	na	-.06	.29	-.14	.28	.10	.23	-.01	.22	-.10	.24	.04	.24	-.11	.20
Opp. homosexuality	.26	.18	.03	.34	na	na	.27	.16	-.22	.38	-.28	.36	.31	.07	-.26	.34
Opp. abortion	.19	.24	-.03	.35	na	na	.18	.28	-.18	.31	-.28	.35	.14	.23	-.13	.32
Supp. preferential hiring of men	.17	.43	.06	.45	.54	.24	-.27	.27	-.22	.32	-.15	.39	.26	.42	-.10	.40



consistency																
Variable	Ghana		Great Britain		India		Indonesia		Iran		Japan		Jordan		Malaysia	
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
<i>Individual-level variables</i>																
Right-wing identification	.09	.27	-.05	.21	-.15	.33	.10	.25	na	na	-.03	.20	.00	.36	na	na
Opp. homosexuality	.24	.20	-.19	.37	.10	.34	.29	.14	.27	.17	-.09	.33	.33	.04	.10	.26
Opp. abortion	.19	.24	-.12	.31	.07	.34	.26	.16	.17	.24	-.08	.27	.29	.11	.10	.26
Supp. preferential hiring of men	.21	.47	-.17	.38	.28	.39	.22	.47	.39	.38	.17	.33	.53	.28	.30	.36
Opp. immigration	-.02	.28	Na	na	.09	.38	.15	.22	.21	.27	.07	.21	.19	.26	.24	.19
Supp. harsh punishment of criminals	.11	.28	.03	.28	.02	.38	.16	.23	.03	.31	.09	.25	.20	.20	-.03	.24
Supp. income inequality	.21	.30	-.05	.29	-.12	.41	.16	.25	-.19	.33	.03	.23	.12	.39	.08	.24
Supp. private business ownership	-.11	.37	Na	na	-.05	.39	-.09	.30	-.02	.34	.08	.20	.00	.40	-.04	.25
Opp. social welfare programs	-.03	.35	.11	.30	-.05	.39	.06	.34	-.12	.31	-.10	.27	-.18	.33	.05	.28
Right-wing cultural composite	.15	.15	-.11	.21	.12	.21	.22	.14	.22	.15	.04	.16	.31	.09	.14	.13
Right-wing economic composite	.02	.22	.03	.24	-.08	.24	.04	.18	-.11	.20	.00	.16	-.02	.19	.03	.13
Sex	-.01	.50	.01	.50	-.07	.50	-.02	.50	.00	.50	.06	.50	.01	.50	.00	.50
Age	-.11	.17	.04	.23	-.02	.18	-.08	.17	-.13	.16	.06	.20	-.07	.18	-.12	.14
Education level	-.17	.21	.11	.25	-.12	.33	.13	.28	.01	.30	.13	.25	-.01	.28	.04	.21
Income level	-.03	.26	.17	.29	-.12	.24	.05	.23	.01	.22	-.01	.32	na	na	.13	.19
NSC (conservation values)	-.02	.11	.00	.16	-.03	.12	.01	.12	.03	.13	-.03	.11	.01	.10	.00	.12

<ems>Political engagement	-.02	.24	.00	.23	-.10	.24	-.03	.20	-.02	.21	.11	.18	-.07	.23	.01	.17
<ems>N	1,534		1,041		2,001		2,015		2,667		1,096		1,200		1,201	
<i>Nation-level variables</i>																
Human development	-.38		.28		-.27		-.09		-.04		.29		-.01		.05	
Ideological constraint	-.12		.59		-.05		.00		-.10		.04		-.32		-.22	
Location outside Eastern Europe	.50		.50		.50		.50		.50		.50		.50		.50	
NSC internal consistency	-.40		.18		-.50		.01		-.02		-.20		-.17		-.29	
Variable	Mali		Mexico		Moldova		Morocco		Netherlands		Norway		Peru		Poland	
	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
<i>Individual-level variables</i>																
Right-wing identification	-.03	.33	.05	.33	.03	.25	.00	.21	-.05	.22	-.01	.21	-.01	.25	.02	.25
Opp. homosexuality	.12	.34	-.06	.36	.18	.24	na	na	-.35	.37	-.42	.32	na	na	.10	.31
Opp. abortion	.05	.37	.08	.33	.08	.29	.23	.19	-.18	.34	-.31	.28	na	na	.09	.29
Supp. preferential hiring of men	.33	.42	-.08	.43	.12	.44	.21	.45	-.21	.35	-.28	.26	-.15	.39	.03	.44
Opp. immigration	-.15	.27	.04	.30	.00	.28	-.07	.32	na	na	.02	.20	-.08	.28	.04	.26
Supp. harsh punishment of criminals	.06	.32	-.18	.39	.03	.29	.12	.29	.04	.27	-.23	.33	.10	.25	.05	.31
Supp. income inequality	.18	.32	.02	.37	-.01	.29	-.06	.31	-.03	.28	-.09	.26	.18	.31	.10	.29
Supp. private business ownership	-.08	.33	-.03	.36	-.06	.30	.00	.25	na	na	.01	.23	-.13	.32	-.15	.30
Opp. social welfare programs	.02	.36	.04	.38	-.07	.32	-.23	.25	.03	.27	.01	.25	.10	.35	-.01	.31

Right-wing cultural composite	.09	.19	-.04	.19	.08	.16	.12	.18	-.17	.21	-.25	.17	-.04	.18	.06	.18	
Right-wing economic composite	.04	.18	.01	.23	-.05	.18	-.11	.19	.00	.24	-.02	.17	.05	.19	-.02	.20	
Sex	.00	.50	.01	.50	.03	.50	.01	.50	.01	.50	.00	.50	.01	.50	-.01	.50	
Age	-.06	.18	-.04	.20	.00	.21	-.07	.17	.04	.21	.03	.20	-.07	.19	.04	.22	
Education level	-.26	.27	-.01	.28	-.02	.19	-.29	.25	-.02	.22	.16	.28	.00	.26	-.10	.21	
Income level	.02	.26	.01	.33	.02	.23	-.01	.18	-.16	.23	.06	.31	-.22	.19	-.08	.21	
NSC (conservation values)	.02	.13	.02	.14	.02	.14	.02	.14	-.07	.15	-.06	.16	.00	.13	.03	.14	
Political engagement	.03	.24	-.05	.23	-.07	.20	-.10	.25	.04	.22	.13	.18	-.11	.21	-.04	.21	
<i>N</i>	1,534		1,560		1,046		1,200		1,050		1,025		1,500		1,000		
<i>Nation-level variables</i>																	
Human development	-.67		.08		-.12		-.22		.29		.31		-.01		.15		
Ideological constraint	-.28		-.18		-.21		-.15		.48		.50		-.31		-.25		
Location outside Eastern Europe	.50		.50		-.50		.50		.50		.50		.50		-.50		
NSC internal consistency	-.07		-.36		-.01		.07		.15		.40		-.38		.26		
Variable		Romania		Russia		Rwanda		Serbia		Slovenia		South Africa		South Korea		Spain	
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
<i>Individual-level variables</i>																	
Right-wing identification	.03	.26	Na	na	-.01	.30	.02	.25	-.05	.25	.09	.25	.00	.23	-.12	.22	
Opp. homosexuality	.21	.24	.16	.28	.27	.15	-.08	.39	-.17	.39	.10	.29	.11	.25	-.30	.33	
Opp. abortion	.06	.31	-.03	.33	.24	.17	-.10	.34	-.26	.35	.12	.29	.03	.25	-.18	.33	
Supp. preferential	.10	.44	.08	.45	-.07	.43	-.13	.35	-.17	.36	.06	.46	.16	.39	-.16	.39	

hiring of men																
Opp. immigration	-.05	.31	Na	na	-.21	.24	.08	.30	.01	.24	.21	.28	.01	.21	.02	.23
Supp. harsh punishment of criminals	.22	.16	.15	.26	.06	.23	.03	.33	-.05	.33	.07	.29	.05	.28	.02	.26
Supp. income inequality	-.14	.32	.06	.38	.01	.30	.02	.30	-.13	.30	-.03	.35	.08	.27	-.03	.29
Supp. private business ownership	.07	.34	Na	na	-.01	.26	-.01	.28	.06	.28	-.01	.34	-.02	.26	-.01	.24
Opp. social welfare programs	.00	.33	-.16	.32	.09	.28	-.01	.29	-.05	.30	.00	.34	-.15	.27	-.06	.25
Right-wing cultural composite	.11	.17	.09	.20	.06	.13	-.04	.18	-.12	.20	.11	.17	.07	.16	-.12	.18
Right-wing economic composite	-.03	.24	-.05	.28	.03	.16	.00	.20	-.05	.21	-.01	.21	-.03	.15	-.04	.18
Sex	.04	.50	.03	.50	.01	.50	-.01	.50	.04	.50	.00	.50	.00	.50	.00	.50
Age	.07	.22	-.01	.20	-.10	.17	-.01	.19	.04	.22	-.04	.20	-.02	.18	.04	.23
Education level	.01	.25	.13	.25	-.22	.17	.09	.26	.06	.24	-.09	.22	.23	.28	-.07	.23
Income level	.09	.31	.14	.26	-.16	.22	-.01	.21	.02	.21	.01	.26	.01	.20	-.03	.19
NSC (conservation values)	.06	.13	.02	.16	.02	.12	.01	.16	.01	.17	.00	.12	-.03	.13	.00	.12
<ems>Political engagement	-.12	.21	-.04	.20	-.02	.20	-.09	.19	-.09	.20	-.03	.22	.03	.18	-.10	.22
<ems>N	1,776		2,033		1,507		1,220		1,037		2,988		1,200		1,200	
<i>Nation-level variables</i>																
Human development	.06		.04		-.55		na		.23		-.18		.24		.28	
Ideological constraint	-.14		.08		-.15		-.10		-.03		-.18		-.01		.28	
Location outside Eastern Europe	-.50		-.50		.50		-.50		-.50		.50		.50		.50	

Variable	Sweden		Switzerland		Taiwan		Thailand		Trinidad and Tobago		Turkey		Ukraine		United States	
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>
NSC internal consistency	.25		.18		-.33		.50		.50		-.10		-.04		.01	
<i>Individual-level variables</i>																
Right-wing identification	-.01	.24	-.06	.22	.05	.24	.05	.20	.04	.28	.05	.30	-.01	.22	.00	.20
Opp. homosexuality	-.49	.28	-.36	.36	.02	.32	.10	.21	.22	.21	.25	.18	.15	.25	-.06	.36
Opp. abortion	-.44	.27	-.19	.33	.05	.26	.16	.18	.17	.23	.17	.25	-.01	.29	-.07	.32
Supp. preferential hiring of men	-.33	.17	-.08	.41	.13	.45	.09	.42	-.08	.43	.24	.44	.04	.44	-.18	.31
Opp. immigration	-.08	.23	-.05	.19	.13	.22	.17	.23	.12	.23	.09	.30	-.08	.27	.07	.24
Supp. harsh punishment of criminals	-.20	.34	.00	.29	.08	.25	-.13	.27	.12	.29	.05	.27	.04	.29	-.07	.29
Supp. income inequality	.02	.27	-.25	.26	.11	.26	.13	.21	.14	.34	-.10	.34	.11	.28	.03	.24
Supp. private business ownership	.06	.24	.07	.24	.01	.26	-.10	.24	.00	.36	-.06	.30	-.15	.29	.20	.22
Opp. social welfare programs	.17	.24	.11	.29	.02	.29	.11	.27	.03	.38	-.02	.31	-.10	.29	.12	.30
Right-wing cultural composite	-.31	.16	-.13	.19	.08	.18	.08	.14	.11	.14	.16	.17	.03	.16	-.06	.18
Right-wing economic composite	.08	.19	-.03	.17	.04	.17	.05	.13	.06	.21	-.06	.20	-.05	.19	.11	.17
Sex	.00	.50	.05	.50	-.01	.50	.01	.50	.05	.50	.00	.50	.16	.47	.00	.50
Age	.06	.21	.12	.20	.01	.20	.03	.20	-.01	.22	-.08	.17	-.01	.21	.06	.21
Education level	.16	.31	.16	.27	.13	.32	-.08	.26	-.05	.21	-.06	.26	.16	.27	-.02	.17
Income level	.15	.32	.07	.20	-.03	.20	.09	.22	.01	.22	-.15	.26	-.05	.21	.03	.21
NSC (conservation)	-.07	.15	-.05	.16	.08	.13	-.02	.09	.02	.14	.02	.13	.04	.16	-.01	.14





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Opp. social welfare programs	-.01	.30	.10	.32	-.05	.36
Right-wing cultural composite	-.12	.18	.11	.14	.06	.17
Right-wing economic composite	-.02	.18	.05	.21	-.03	.20
Sex	.06	.50	-.01	.50	-.01	.50
Age	.04	.23	-.03	.20	-.15	.15
Education level	-.09	.24	-.09	.20	-.05	.23
Income level	-.03	.18	.08	.17	.07	.27
NSC (conservation values)	.01	.14	.04	.13	-.03	.13
Political engagement	-.12	.25	.09	.20	-.01	.22
<i>N</i>	1,000		1,495		1,500	
<i>Nation-level variables</i>						
Human development	.12		-.08		-.58	
Ideological constraint	-.02		-.23		-.20	
Location outside Eastern Europe	.50		.50		.50	
NSC internal consistency	-.15		.20		-.44	

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*Note.* Sex was coded  $-.50 = \text{male}$ ,  $.50 = \text{female}$ . Location outside Eastern Europe was coded  $-.50 = \text{Eastern Europe}$ ,  $.50 = \text{Outside Eastern Europe}$ . All other nation-level variables were scaled to range from 0 to 1 and then centered around the mean from nations with complete item administration. All other individual-level variables were scored from items scaled to range from 0 to 1 and then centered around the grand mean from nations with complete item administration. NSC = needs for security and certainty;

*SD* = standard deviation; Opp. = opposition to; Supp. = support for. na = variable not assessed in this nation.