

Urban-Rural Divides, Democratic Satisfaction, and Citizen Attitudes Across Political Contexts

CSES Inter-Module Comparisons

Jennifer Lin

New College of Florida

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1 All Elections and Countries by Module

Table 1: All Elections and Countries by CSES Modules

Country	Module I	Module II	Module III	Module IV
Albania	-	(2005)	-	-
Argentina	-	-	-	(2016)
Australia	(1996)	(2004)	(2007)	(2013)
Austria	-	-	(2008)	(2013)
Belgium	(1999)	(2003)	-	-
Belarus	(2001)	-	(2008)	-
Brazil	-	(2002)	(2006), (2010)	(2014)
Bulgaria	-	(2001)	-	(2014)
Canada	(1997)	(2004)	(2008)	(2011), (2015)
Chile	(1999)	(2005)	(2009)	-
Croatia	-	-	(2007)	-
Czech Republic	(1996)	(2002)	(2006), (2010)	(2013)
Denmark	(1998)	(2001)	(2007)	-
Estonia	-	-	(2011)	-
Finland	-	(2003)	(2007), (2011)	(2015)
France	-	(2002)	(2007)	(2012)
Germany	(1998)	(2002)	(2005), (2009)	(2013)
Great Britain	(1997)	(2005)	-	(2015)
Greece	-	-	(2009)	(2012), (2015)
Hong Kong	(1998), (2000)	(2004)	(2008)	(2012)
Hungary	(1998)	(2002)	-	-
Iceland	(1999)	(2003)	(2007), (2009)	(2013)
Ireland	-	(2002)	(2007)	(2011)
Israel	(1996)	(2003)	(2006)	(2013)
Italy	-	(2006)	-	-
Japan	(1996)	(2004)	(2007)	(2013)
Kenya	-	-	-	(2013)
Kyrgyzstan	-	(2005)	-	-
Latvia	-	-	(2010)	(2011), (2014)
Lithuania	(1997)	-	-	-
Mexico	(1997), (2000)	(2003)	(2006), (2009)	(2012), (2015)
Montenegro	-	-	-	(2012)
New Zealand	(1996)	(2002)	(2008)	(2011), (2014)
Netherlands	(1998)	(2002)	(2006), (2010)	-
Norway	(1997)	(2001)	(2005), (2009)	(2013)
Peru	(2000), (2001)	(2006)	(2011)	(2016)

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Table 1 – *Continued from previous page*

Country	Module I	Module II	Module III	Module IV
Philippines	-	-	(2010)	(2016)
Poland	(1997)	(2001)	(2005), (2007)	(2011)
Portugal	(2002)	(2002), (2005)	(2009)	(2015)
Romania	(1996)	(2004)	(2009)	(2012), (2014)
Russia	(1999), (2000)	(2004)	-	-
Serbia	-	-	-	(2012)
Slovakia	-	-	(2010)	(2016)
Slovenia	(1996)	(2004)	(2008)	(2011)
South Africa	-	-	(2009)	(2014)
South Korea	(2000)	(2004)	(2008)	(2012)
Spain	(1996), (2000)	(2004)	(2008)	-
Sweden	(1998)	(2002)	(2006)	(2014)
Switzerland	-	(2003)	(2007)	(2011)
Taiwan	(1996)	(2001), (2004)	(2008)	(2012)
Thailand	(2001)	-	(2007)	(2011)
Turkey	-	-	(2011)	(2015)
Ukraine	(1998)	-	-	-
Uruguay	-	-	(2009)	-
United States	(1996)	(2004)	(2008)	(2012)

2 Demographic Variables

Table 2: **Variables of Interest and Missing Countries**

Variable	Variable Number	Missing Countries
Rural-Urban Residence	IMD2007	BELIGUM-FLANDERS (1999) BELGIUM-WALLONIA (1999) BRAZIL (2014) CANADA (2008, 2011, 2015) CHILE (1999, 2005, 2009) GERMANY (2002 Mail-Back) GREAT BRITAIN (1997) HONG KONG (1998, 2000, 2004, 2008, 2012) JAPAN (1996) KYRGYZSTAN (2005) TAIWAN (2004, 2008, 2012)

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Table 2 – *Continued from previous page*

Variable	Variable Number	Missing Countries
		THAILAND (2001)
		UNITED STATES (2008, 2012)
Age	IMD2001_1	KYRGYZSTAN (2005)
		PERU (2000,2001)
Gender	IMD2002	N/A
Education	IMD2003	N/A - Check Codebook for variations in code
Religion	IMD2005	DENMARK (1998, 2001, 2007)
		ICELAND (1999, 2003, 2007, 2009)
		IRELAND (2011)
		JAPAN (1996)
		LITHUANIA (1997)
		NORWAY (1997, 2001, 2005, 2009)
		PERU (2000, 2001, 2006, 2011)
		SWEDEN (1998, 2002, 2006, 2014)
Income	IMD2006	BELGIUM (2003)
		KYRGYZSTAN (2005)
		LATVIA (2010)
		SOUTH AFRICA (2009)
		SOUTH KOREA (2012)
Left-Right SELF	IMD3006	JAPAN (1996, 2004)
		TAIWAN (2012)
		THAILAND (2001, 2011)

3 Correlation of Spending Variables

Table 3

	health	educ	unemploy	defense	pensions	industry	police	welfare	incomeineq	issue	social
health	1	0.57	0.34	0.23	0.45	0.26	0.29	0.34	0.16	0.65	0.67
educ	0.57	1	0.35	0.21	0.37	0.25	0.29	0.33	0.14	0.62	0.65
unemploy	0.34	0.35	1	0.25	0.39	0.28	0.18	0.55	0.22	0.67	0.71
defense	0.23	0.21	0.25	1	0.30	0.33	0.39	0.22	0.04	0.56	0.35
pensions	0.45	0.37	0.39	0.30	1	0.30	0.30	0.42	0.18	0.67	0.67
industry	0.26	0.25	0.28	0.33	0.30	1	0.34	0.28	0.10	0.58	0.55
police	0.29	0.29	0.18	0.39	0.30	0.35	1	0.28	0.06	0.57	0.38
welfare	0.34	0.33	0.55	0.22	0.42	0.28	0.28	1	0.25	0.68	0.72
incomeineq	0.16	0.14	0.25	0.04	0.18	0.10	0.06	0.25	1	0.42	0.49
issue	0.65	0.62	0.67	0.56	0.67	0.58	0.57	0.68	0.42	1	0.96
social	0.67	0.65	0.71	0.35	0.67	0.55	0.38	0.72	0.49	0.96	1

4 Self-Placement Ideology by Election and Level of Rurality

Table 4: Self-Placement Ideology by Election and Rurality

	election	rurality	mean	sd	n	se	ci
1	ARG_2015	Twon	6.50	2.59	187	0.19	0.37
2	ARG_2015	City	5.54	2.17	1219	0.06	0.12
3	AUS_2013	Rural	5.37	2.40	418	0.12	0.23
4	AUS_2013	Twon	5.16	2.40	717	0.09	0.18
5	AUS_2013	Suburban	5.23	2.36	650	0.09	0.18
6	AUS_2013	City	5.07	2.28	2043	0.05	0.10
7	AUS_2013		5.45	2.02	125	0.18	0.36
8	AUT_2013	Rural	4.65	2.00	410	0.10	0.19
9	AUT_2013	Twon	4.86	2.04	271	0.12	0.24
10	AUT_2013	Suburban	4.52	1.85	179	0.14	0.27
11	AUT_2013	City	4.57	1.92	124	0.17	0.34
12	AUT_2013		5.14	2.07	16	0.52	1.10
13	BGR_2014	Rural	4.74	2.86	263	0.18	0.35
14	BGR_2014	Twon	5.27	3.51	208	0.24	0.48
15	BGR_2014	Suburban	5.52	3.09	361	0.16	0.32
16	BGR_2014	City	5.62	2.69	167	0.21	0.41
17	BRA_2014		6.34	2.77	3136	0.05	0.10
18	CAN_2011		5.02	1.96	3458	0.03	0.07
19	CAN_2015		4.91	1.92	4202	0.03	0.06
20	CHE_2011	Rural	5.46	2.14	1171	0.06	0.12
21	CHE_2011	Twon	4.97	2.16	29	0.40	0.82
22	CHE_2011	Suburban	5.20	2.33	2077	0.05	0.10
23	CHE_2011	City	4.60	2.43	1114	0.07	0.14
24	CZE_2013	Rural	4.91	2.50	437	0.12	0.23
25	CZE_2013	Twon	4.89	2.42	640	0.10	0.19
26	CZE_2013	Suburban	4.30	3.06	82	0.34	0.67
27	CZE_2013	City	5.20	2.50	479	0.11	0.22
28	CZE_2013		5.93	2.84	15	0.73	1.57
29	DEU_2013	Rural	4.63	1.83	544	0.08	0.15
30	DEU_2013	Twon	4.30	1.82	804	0.06	0.13
31	DEU_2013	Suburban	4.72	1.87	180	0.14	0.28
32	DEU_2013	City	3.99	1.90	361	0.10	0.20
33	FIN_2015	Rural	5.65	1.88	399	0.09	0.19
34	FIN_2015	Twon	5.79	2.18	371	0.11	0.22
35	FIN_2015	Suburban	5.59	2.15	674	0.08	0.16

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	election	rurality	mean	sd	n	se	ci
36	FIN_2015	City	4.94	2.28	142	0.19	0.38
37	FIN_2015		6.00		1		
38	FRA_2012	Rural	4.81	2.51	707	0.09	0.19
39	FRA_2012	Twon	4.69	2.50	752	0.09	0.18
40	FRA_2012	Suburban	4.78	2.34	236	0.15	0.30
41	FRA_2012	City	4.08	2.33	319	0.13	0.26
42	GBR_2015	Rural	5.40	2.11	277	0.13	0.25
43	GBR_2015	Twon	5.02	1.95	828	0.07	0.13
44	GBR_2015	City	4.57	1.74	462	0.08	0.16
45	GRC_2012	Rural	5.54	2.63	411	0.13	0.25
46	GRC_2012	Twon	4.82	2.36	107	0.23	0.45
47	GRC_2012	Suburban	4.48	1.98	116	0.18	0.36
48	GRC_2012	City	4.43	2.27	374	0.12	0.23
49	GRC_2012		4.95	3.42	21	0.75	1.56
50	GRC_2015	Rural	4.60	2.59	54	0.35	0.71
51	GRC_2015	Twon	4.45	2.09	198	0.15	0.29
52	GRC_2015	Suburban	4.53	2.23	129	0.20	0.39
53	GRC_2015	City	4.42	2.24	541	0.10	0.19
54	GRC_2015		4.47	2.51	86	0.27	0.54
55	HKG_2012		5.85	2.32	1044	0.07	0.14
56	IRL_2011	Twon	6.15	2.16	758	0.08	0.15
57	IRL_2011	City	5.90	1.75	1095	0.05	0.10
58	ISL_2013	Rural	4.99	2.06	134	0.18	0.35
59	ISL_2013	Twon	5.51	2.08	427	0.10	0.20
60	ISL_2013	Suburban	5.73	1.94	387	0.10	0.19
61	ISL_2013	City	5.37	2.09	531	0.09	0.18
62	ISR_2013	Rural	4.92	3.22	205	0.23	0.44
63	ISR_2013	Twon	6.20	2.71	544	0.12	0.23
64	ISR_2013	Suburban	6.42	2.70	251	0.17	0.34
65	ISR_2013		5.42	2.47	17	0.60	1.27
66	JPN_2013	Rural	5.42	1.73	248	0.11	0.22
67	JPN_2013	Twon	5.61	1.67	501	0.07	0.15
68	JPN_2013	Suburban	5.59	1.70	346	0.09	0.18
69	JPN_2013	City	5.66	1.62	842	0.06	0.11
70	KEN_2013	Rural	6.77	3.84	800	0.14	0.27
71	KEN_2013	City	5.50	3.32	400	0.17	0.33
72	KOR_2012	Rural	5.26	2.38	170	0.18	0.36
73	KOR_2012	Twon	5.23	2.45	284	0.15	0.29
74	KOR_2012	Suburban	5.15	2.40	60	0.31	0.62
75	KOR_2012	City	5.58	2.41	486	0.11	0.21

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	election	rurality	mean	sd	n	se	ci
76	LVA_2011	Rural	6.28	2.07	369	0.11	0.21
77	LVA_2011	Twon	6.44	2.49	182	0.18	0.36
78	LVA_2011	City	6.05	2.52	453	0.12	0.23
79	LVA_2014	Rural	6.33	2.38	357	0.13	0.25
80	LVA_2014	Twon	6.38	2.45	262	0.15	0.30
81	LVA_2014	Suburban	6.20	1.85	108	0.18	0.35
82	LVA_2014	City	6.35	2.35	309	0.13	0.26
83	MEX_2012	Rural	6.65	2.37	440	0.11	0.22
84	MEX_2012	Twon	7.29	2.39	280	0.14	0.28
85	MEX_2012	City	6.51	2.86	1680	0.07	0.14
86	MEX_2015	Rural	6.62	2.47	220	0.17	0.33
87	MEX_2015	Twon	6.15	2.61	135	0.22	0.44
88	MEX_2015	City	6.21	2.38	842	0.08	0.16
89	MNE_2012	Rural	6.73	2.69	350	0.14	0.28
90	MNE_2012	Twon	5.38	3.25	343	0.18	0.35
91	MNE_2012	Suburban	5.79	3.03	120	0.28	0.55
92	MNE_2012	City	5.27	3.43	121	0.31	0.62
93	MNE_2012		6.00	3.00	33	0.52	1.06
94	NOR_2013	Rural	5.60	2.08	444	0.10	0.19
95	NOR_2013	Twon	5.66	2.32	429	0.11	0.22
96	NOR_2013	Suburban	5.57	2.22	230	0.15	0.29
97	NOR_2013	City	5.69	2.24	577	0.09	0.18
98	NOR_2013		5.98	2.02	47	0.29	0.59
99	NZL_2011	Rural	5.75	2.48	217	0.17	0.33
100	NZL_2011	Twon	5.53	2.36	507	0.10	0.21
101	NZL_2011	City	5.49	2.38	606	0.10	0.19
102	NZL_2011		5.29	2.65	44	0.40	0.80
103	NZL_2014	Rural	5.97	2.57	160	0.20	0.40
104	NZL_2014	Twon	6.11	2.27	252	0.14	0.28
105	NZL_2014	City	5.75	2.47	786	0.09	0.17
106	NZL_2014		4.88	2.47	26	0.48	1.00
107	PER_2016	Rural	6.46	2.64	330	0.15	0.29
108	PER_2016	City	6.55	2.61	1242	0.07	0.15
109	PHL_2016	Rural	7.01	2.41	540	0.10	0.20
110	PHL_2016	Twon	7.65	2.22	175	0.17	0.33
111	PHL_2016	Suburban	6.90	2.73	40	0.43	0.87
112	PHL_2016	City	7.31	2.32	445	0.11	0.22
113	POL_2011	Rural	6.02	2.38	688	0.09	0.18
114	POL_2011	Twon	6.10	2.63	817	0.09	0.18
115	POL_2011	Suburban	5.87	2.64	185	0.19	0.38

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	election	rurality	mean	sd	n	se	ci
116	POL_2011	City	5.82	2.37	229	0.16	0.31
117	PRT_2015	Rural	5.47	2.97	431	0.14	0.28
118	PRT_2015	Twon	5.09	2.83	382	0.14	0.28
119	PRT_2015	Suburban	4.35	2.76	252	0.17	0.34
120	PRT_2015	City	4.63	2.58	434	0.12	0.24
121	ROU_2012	Rural	4.72	3.32	1019	0.10	0.20
122	ROU_2012	Twon	4.84	2.87	503	0.13	0.25
123	ROU_2012	Suburban	4.58	2.99	54	0.41	0.82
124	ROU_2012	City	5.50	2.99	707	0.11	0.22
125	ROU_2014	Rural	6.44	3.52	465	0.16	0.32
126	ROU_2014	Twon	6.71	3.49	333	0.19	0.38
127	ROU_2014	Suburban	6.59	2.86	131	0.25	0.50
128	ROU_2014	City	6.07	3.18	183	0.23	0.46
129	SRB_2012	Rural	5.46	2.88	778	0.10	0.20
130	SRB_2012	Twon	5.69	2.93	377	0.15	0.30
131	SRB_2012	Suburban	5.57	2.68	148	0.22	0.44
132	SRB_2012	City	5.31	2.59	265	0.16	0.31
133	SVK_2016	Rural	4.75	2.56	487	0.12	0.23
134	SVK_2016	Twon	5.18	2.90	450	0.14	0.27
135	SVK_2016	Suburban	5.81	2.40	17	0.58	1.23
136	SVK_2016	City	5.56	2.22	195	0.16	0.31
137	SVK_2016				1		
138	SVN_2011	Rural	4.68	2.76	235	0.18	0.36
139	SVN_2011	Twon	4.70	2.65	132	0.23	0.46
140	SVN_2011	Suburban	5.19	2.41	510	0.11	0.21
141	SVN_2011	City	3.34	2.16	150	0.18	0.35
142	SVN_2011		10.00		4		
143	SWE_2014	Rural	5.22	2.14	146	0.18	0.35
144	SWE_2014	Twon	5.12	2.19	184	0.16	0.32
145	SWE_2014	Suburban	5.30	2.42	176	0.18	0.36
146	SWE_2014	City	5.05	2.43	326	0.13	0.26
147	THA_2011	Rural			1120		
148	THA_2011	Twon			53		
149	THA_2011	Suburban			60		
150	THA_2011	City			236		
151	THA_2011				31		
152	TUR_2015	Rural	5.74	3.27	207	0.23	0.45
153	TUR_2015	Twon	5.77	2.85	235	0.19	0.37
154	TUR_2015	Suburban	6.29	3.21	195	0.23	0.45
155	TUR_2015	City	5.98	3.19	449	0.15	0.30

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	election	rurality	mean	sd	n	se	ci
156	TWN_2012				1826		
157	USA_2012		6.27	2.47	1929	0.06	0.11
158	ZAF_2014	Rural	6.50	2.35	400	0.12	0.23
159	ZAF_2014	City	6.43	2.38	900	0.08	0.16

5 Overall Bivariate regressions

Table 5: Regression of Rurality on Issue Stance and Ideology by Country

	<i>Dependent variable:</i>	
	liberalism (1)	selfideo (2)
rural	0.123*** (0.020)	−0.070*** (0.010)
electionAUS_2013		−0.533*** (0.082)
electionAUT_2013	1.015*** (0.181)	−1.085*** (0.110)
electionBGR_2014	−4.744*** (0.191)	−0.437*** (0.114)
electionCHE_2011	3.159*** (0.148)	−0.596*** (0.080)
electionCZE_2013	1.018*** (0.155)	−0.770*** (0.096)
electionDEU_2013	−0.316** (0.143)	−1.375*** (0.093)
electionFIN_2015	−0.705*** (0.148)	−0.1424 (0.097)
electionFRA_2012	−0.756***	−1.106***

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	<i>Dependent variable:</i>	
	liberalism	selfideo
	(1)	(2)
	(0.143)	(0.091)
electionGBR_2015	0.593*** (0.154)	−0.771*** (0.097)
electionGRC_2012	−0.465** (0.183)	−0.821*** (0.107)
electionGRC_2015	−0.757*** (0.180)	−1.219*** (0.107)
electionIRL_2011		0.322*** (0.093)
electionISL_2013	0.096 (0.163)	−0.220** (0.098)
electionISR_2013	−3.274*** (0.188)	0.240** (0.108)
electionJPN_2013	−0.714*** (0.138)	−0.089 (0.093)
electionKEN_2013		0.649*** (0.131)
electionKOR_2012	−0.595*** (0.179)	−0.302*** (0.115)
electionLVA_2011		0.479*** (0.112)
electionLVA_2014	−5.046*** (0.185)	0.604*** (0.111)
electionMEX_2012	−2.741*** (0.132)	0.952*** (0.090)

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Table 5 – Continued from previous page

	<i>Dependent variable:</i>	
	liberalism (1)	selfideo (2)
electionMEX_2015	–1.460*** (0.169)	0.599*** (0.107)
electionMNE_2012	–1.863*** (0.204)	0.137 (0.136)
electionNOR_2013	–0.495*** (0.144)	–0.080 (0.093)
electionNZL_2011	2.168*** (0.167)	–0.159 (0.103)
electionNZL_2014	1.382*** (0.173)	0.174* (0.105)
electionPER_2016	–5.537*** (0.151)	0.874*** (0.095)
electionPHL_2016	–3.671*** (0.163)	1.477*** (0.101)
electionPOL_2011	–2.658*** (0.153)	0.250*** (0.094)
electionPRT_2015	–3.516*** (0.155)	–0.786*** (0.100)
electionROU_2012	–5.832*** (0.136)	–0.725*** (0.100)
electionROU_2014	–5.068*** (0.174)	0.712*** (0.116)
electionSRB_2012	–5.729*** (0.153)	–0.257** (0.103)

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	<i>Dependent variable:</i>	
	liberalism	selfideo
	(1)	(2)
electionSVK_2016		−0.674*** (0.109)
electionSVN_2011	0.031 (0.181)	−1.010*** (0.118)
electionSWE_2014	−0.645*** (0.205)	−0.555*** (0.112)
electionTHA_2011	−2.211*** (0.175)	
electionTUR_2015	−5.997*** (0.171)	0.233** (0.106)
electionZAF_2014	−2.546*** (0.168)	0.765*** (0.105)
Constant	22.564*** (0.102)	5.902*** (0.079)
Observations	42,500	47,821
R ²	0.208	0.069
Adjusted R ²	0.207	0.068
Residual Std. Error	4.760 (df = 42465)	2.447 (df = 47782)
F Statistic	327.840*** (df = 34; 42465)	93.414*** (df = 38; 47782)
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01

Table 6: General Regression of Rurality on Issue and Ideology

	<i>Dependent variable:</i>	
	liberalism	selfideo
	(1)	(2)
factor(rural)2	0.560*** (0.073)	−0.134*** (0.034)
factor(rural)3	1.208*** (0.087)	−0.259*** (0.039)
factor(rural)4	0.751*** (0.066)	−0.048 (0.030)
Constant	20.695*** (0.050)	5.598*** (0.023)
Observations	42,500	47,821
R ²	0.005	0.001
Adjusted R ²	0.005	0.001
Residual Std. Error	5.332 (df = 42496)	2.534 (df = 47817)
F Statistic	75.957*** (df = 3; 42496)	17.830*** (df = 3; 47817)

Note:

*p<0.1; **p<0.05; ***p<0.01