Appendix C

Data and sources for Chapter 11

Country	Year	ENPV[1]	ENPS[2]	ML[3]	Upper[4]	Proximity[5]	ENPRES[6]	ENETH[7]
Argentina	1985	3.37	2.37	9.0	0.00	0.55	2.51	1.34
Australia	1984	2.79	2.38	1.0	0.00	0.00	.	1.11
Austria	1986	2.72	2.63	30.0	0.11	0.80	2.27	1.01
Bahamas	1987	2.11	1.96	1.0	0.00	0.00	.	1.34
Barbados	1986	1.93	1.25	1.0	0.00	0.00	.	1.50
Belgium	1985	8.13	7.01	8.0	0.40	0.00	.	2.35
Belize	1984	2.06	1.60	1.0	0.00	0.00	.	3.46
Bolivia	1985	4.58	4.32	17.5	0.00	1.00	4.58	3.77
Botswana	1984	1.96	1.35	1.0	0.00	0.00	.	1.11
Brazil	1990	9.68	8.69	30.0	0.00	0.63	5.69	2.22
Canada	1984	2.75	1.69	1.0	0.00	0.00	.	3.49
Colombia	1986	2.68	2.45	8.0	0.00	0.93	2.13	2.51
Costa Rica	1986	2.49	2.21	10.0	0.00	1.00	2.07	1.08
Cyprus	1985	3.62	3.57	12.0	0.00	0.00	.	1.56
Czech Republic*	1990	3.10	2.04	24.0	0.05	0.00	.	1.12
Denmark	1984	5.25	5.04	11.0	0.00	0.00	.	1.02
Dominica	1985	2.10	1.76	1.0	0.00	0.00	.	1.68
Dominican Republic	1986	3.19	2.53	5.0	0.00	1.00	2.80	1.75
El Salvador	1985	2.68	2.10	4.0	0.00	0.64	3.16	1.25
Ecuador	1984	10.32	5.78	3.0	0.00	1.00	5.18	2.60
Finland	1983	5.45	5.14	17.0	0.00	0.61	3.79	1.13
France	1981	4.13	2.68	1.0	0.00	0.96	4.86	1.17
Germany	1983	3.21	3.16	1.0	0.50	0.00	.	1.15
Greece	1985	2.59	2.14	6.0	0.24	0.00	.	1.04

Country	Year	ENPV[1]	ENPS[2]	ML[3]	Upper[4]	Proximity[5]	ENPRES[6]	ENETH[7]
Grenada	1990	3.84	3.08	1.0	0.00	0.00	.	1.06
Honduras	1985	3.49	2.80	9.0	0.00	1.00	3.49	1.23
Iceland	1983	4.26	4.07	7.0	0.18	0.41	3.60	1.06
India	1984	3.98	1.69	1.0	0.00	0.00	.	1.72
Ireland	1987	3.46	2.89	5.0	0.00	0.00	.	1.08
Israel	1984	4.28	3.86	120.0	0.00	0.00	.	1.39
Italy	1983	4.51	4.11	24.0	0.11	0.00	.	1.04
Jamaica	1989	1.97	1.60	1.0	0.00	0.00	.	1.65
Japan	1986	3.35	2.57	4.0	0.00	0.00	.	1.01
Korea (South)	1988	4.22	3.56	1.0	0.25**	0.87	3.55	1.01
Liechtenstein	1986	2.28	1.99	15.0	0.00	0.00	.	1.11
Luxembourg	1984	3.56	3.22	21.0	0.00	0.00	.	1.63
Malta	1987	2.01	2.00	5.0	0.00	0.00	.	1.13
Mauritius	1983	1.96	2.16	3.0	0.00	0.00	.	1.86
Netherlands	1986	3.77	3.49	150.0	0.00	0.00	.	1.08
New Zealand	1984	2.99	1.98	1.0	0.00	0.00	.	1.28
Norway	1985	3.63	3.09	10.0	0.00	0.00	.	1.04
Peru	1985	3.00	2.32	9.0	0.00	1.00	2.76	2.76
Portugal	1983	3.73	3.41	16.0	0.00	0.05	1.96	1.02
Spain	1986	3.59	2.81	7.0	0.00	0.00	.	1.65
St. Kitts and Nevis	1984	2.45	2.46	1.0	0.00	0.00	.	1.22
St. Lucia	1987	2.32	1.99	1.0	0.00	0.00	.	.22
St. Vincent & Grenadines	1984	2.28	1.74	1.0	0.00	0.00	.	1.66
Sweden	1985	3.52	3.39	12.0	0.00	0.00	.	1.26

Switzerland	1983	5.99	5.26	12.0	0.00	0.00	.	2.13
Trinidad & Tobago	1986	1.84	1.18	1.0	0.00	0.00	.	2.74
United Kingdom	1983	3.12	2.09	1.0	0.00	0.00	.	1.48
United States	1984	2.03	1.95	1.0	0.00	1.00	1.96	1.36
Uruguay	1989	3.38	3.35	11.0	0.27	1.00	3.38	1.28
Venezuela	1983	2.97	2.42	11.0	0.09	1.00	2.19	1.99

Notes:

*The Czech Republic was not of course an independent state in 1990. We use the Czech results from the Czechoslovak election of that year. Omitting this case does not affect the results.

**South Korea's upper tier is not compensatory and so in the main results I do not handle it in the same way as the other systems with upper tiers.

[1]ENPV = $1/\sum v^2_i$, where vi is party i's vote share in the legislative election; the effective number of elective parties.

[2]ENPS = $1/\sum s^2_i$, where s_i is party i's seat share in the legislature; the effective number of legislative parties.

[3]ML is the magnitude of the median legislator's district. If there are N members of a given country's legislature, one can associate with each member the magnitude of the electoral district from which that member was elected. Taking the median of these N numbers then gives ML. We take the median rather than the average because the former is a more robust measure of central tendency, although in practice the two measures work similarly. Data to compute ML come mostly from Chapter 3.

[4]UPPER: as defined in text.

[5]PROXIMITY: as defined in text.

[6]ENPRES = $1/\sum p^2_i$, where p_i is party i's vote share in the presidential election; the effective number of presidential candidates.

[7]ENETH = $1/\sum g^2_i$, where g_i is the proportion of the population in ethnic group i; the effective number of ethnic groups.

311