

Redistributive preferences in unequal contexts: Changes in Latin America between 2008 and 2014

Gonzalo Franetovic

Juan Carlos Castillo

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1 Descriptive statistics

Table 1: Descriptive statistics

Statistical	N	Mean / %	Stand. dev.	Min	Max
Redistributive Preference	113.804	5,685	1,609	1	7
Income (decil)	113.804	6,955	3,455	1	11
Age	113.804	39,522	15,892	18	101
System Confidence	113.804	3,790	1,332	1	7
Gender	113.804				
Man		49,0%			
Woman		51,0%			
Civil status	113.804				
Married		59,1%			
Not married		40,9%			
Political Ideology	113.804				
Right		26,4%			
Center		31,9%			
Left		23,6%			
Not declared		18,1%			
Zone	113.804				
Urban		70,8%			
Rural		29,2%			
Employment	113.804				
No workforce		14,0%			
Unemployment		30,3%			
Employment		55,7%			
Education	113.804				
Primary		31,9%			
Secondary		47,9%			
Tertiary		20,2%			
Gini	72	49,881	4,884	37,900	59,400
GDP per cápita	72	6,495	3,729	1,523	14,442

Note: Means are indicated for continuous variables and percentages for categorical variables.

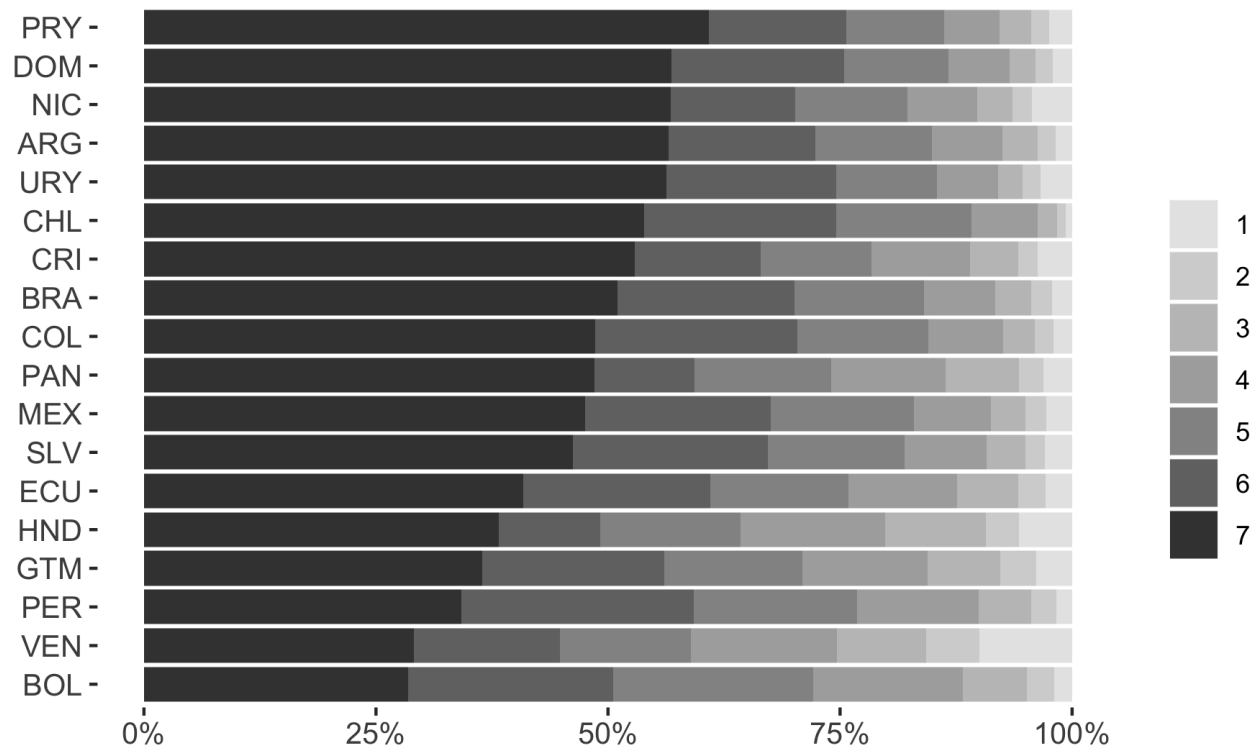


Figure 1: Redistributive Preference by countries. Percentage by category.

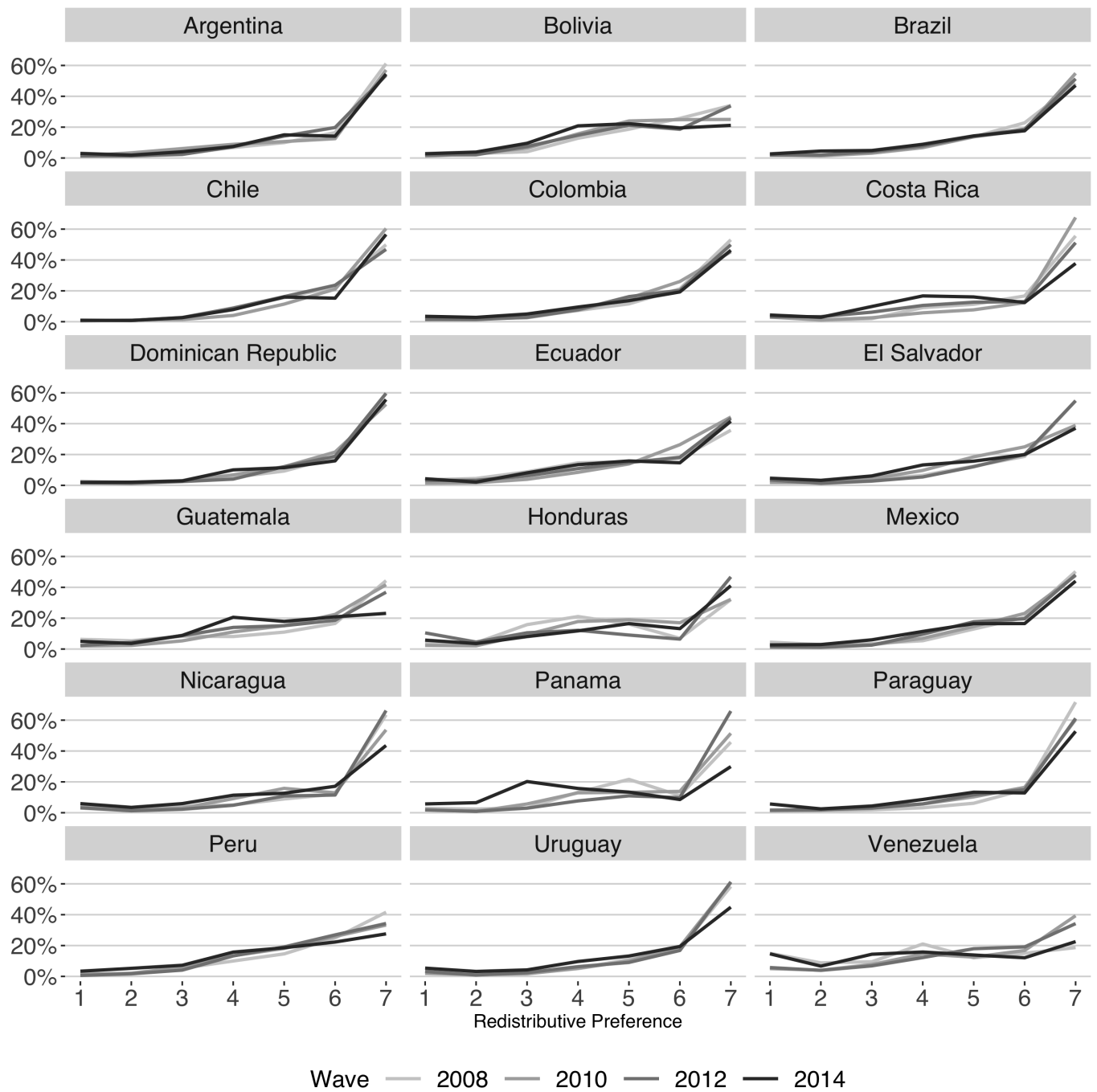


Figure 2: Redistributive Preference by country and year. Percentage by category.

Table 2: Average redistribution preference of income deciles, by country

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	Total
Argentina	6,15	6,03	6,06	6,02	5,89	6,03	5,98	6,02	6,05	5,91	6,02
Bolivia	5,44	5,28	5,26	5,36	5,42	5,29	5,25	5,30	5,26	5,44	5,33
Brazil	5,86	5,79	5,91	6,00	5,89	5,94	5,99	5,96	5,84	5,88	5,91
Chile	6,19	6,11	6,13	6,23	6,12	6,05	6,14	6,10	6,06	6,05	6,12
Colombia	5,99	6,07	5,78	5,93	5,84	5,97	5,82	5,95	5,79	5,83	5,90
Costa Rica	5,87	5,86	5,80	5,81	5,75	5,74	5,80	5,84	5,74	5,57	5,78
Dominican Republic	6,03	6,05	6,12	6,18	5,96	6,10	6,10	6,06	6,02	6,01	6,06
Ecuador	5,49	5,66	5,52	5,64	5,62	5,56	5,47	5,53	5,53	5,54	5,56
El Salvador	5,82	5,72	5,75	5,73	5,87	5,77	5,76	5,85	5,82	5,86	5,79
Guatemala	5,26	5,22	5,29	5,37	5,47	5,40	5,44	5,44	5,23	5,43	5,36
Honduras	5,25	5,16	5,13	5,18	5,14	5,28	5,15	5,25	5,10	5,10	5,17
Mexico	5,76	5,73	5,83	5,86	5,92	5,86	5,88	5,93	5,71	5,76	5,82
Nicaragua	5,91	5,89	5,90	5,98	5,90	5,94	5,68	5,91	5,69	5,74	5,85
Panama	5,79	5,75	5,65	5,54	5,55	5,57	5,51	5,53	5,61	5,53	5,60
Paraguay	6,21	5,96	6,06	6,03	6,13	6,08	6,09	6,09	6,06	6,16	6,09
Peru	5,58	5,59	5,47	5,69	5,51	5,56	5,50	5,60	5,42	5,55	5,55
Uruguay	6,10	6,01	6,04	6,00	5,89	6,20	5,86	6,03	5,93	5,92	6,00
Venezuela	4,97	4,80	5,00	4,98	4,66	4,81	4,83	4,89	4,61	4,64	4,82
Total	5,76	5,70	5,71	5,75	5,70	5,73	5,68	5,74	5,64	5,66	5,71

Note: Note: In bold, maximum values per country.

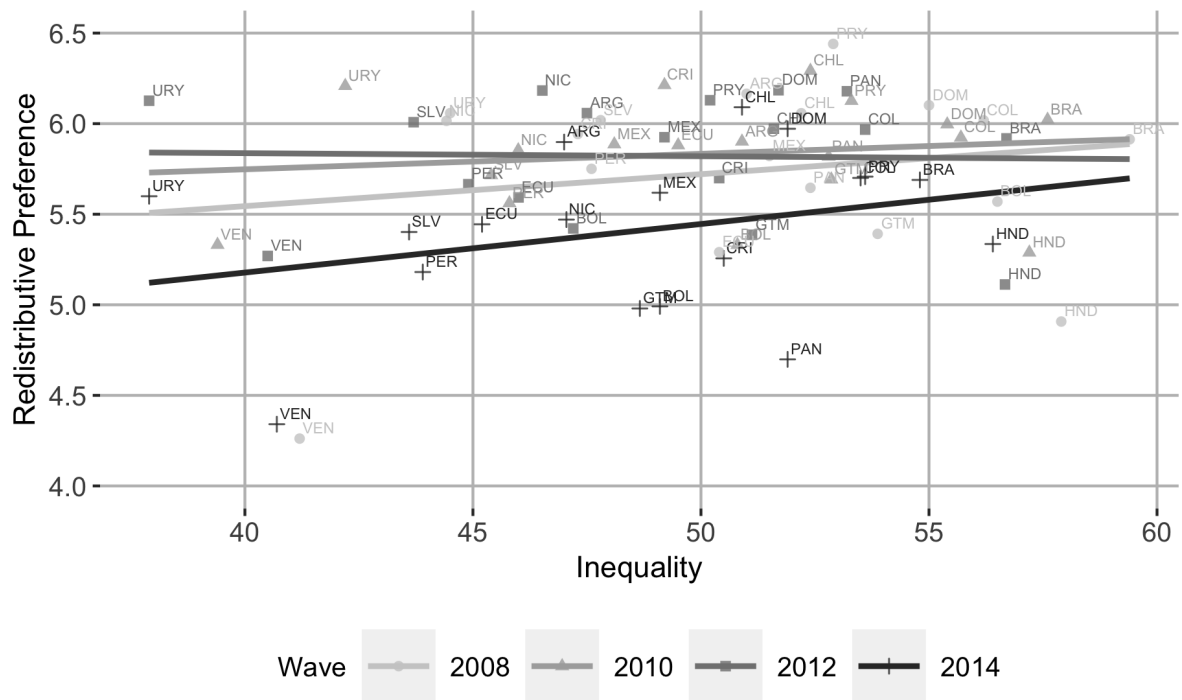


Figure 3: Redistributive Preference by Gini.

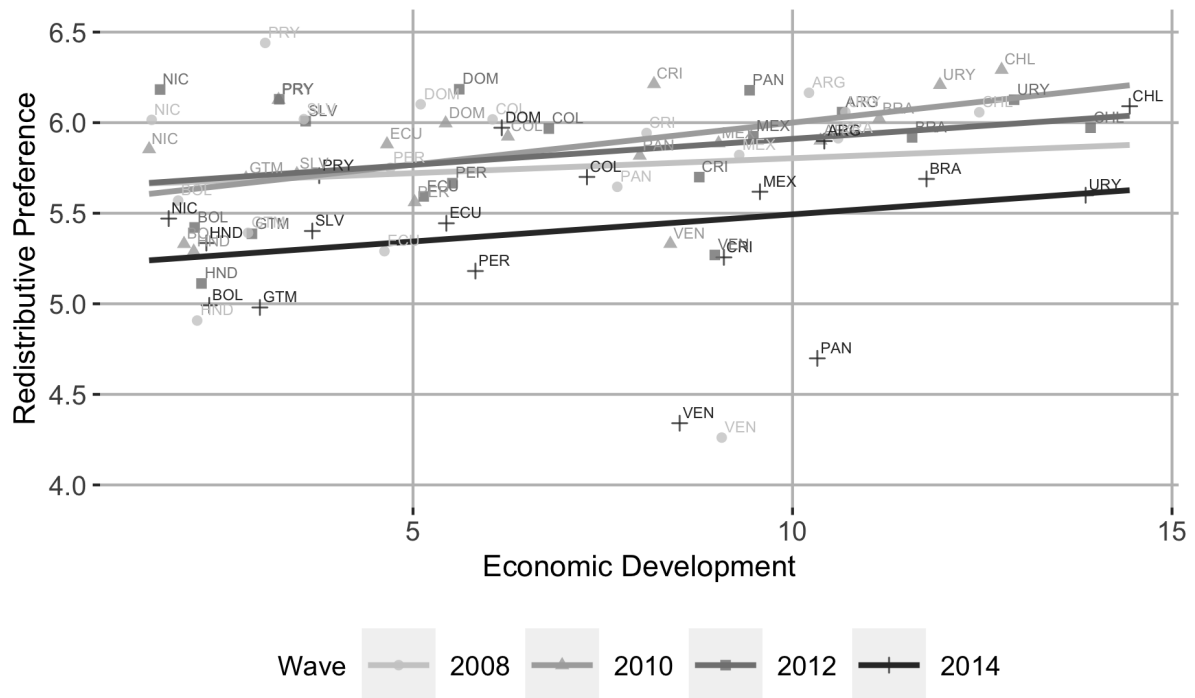


Figure 4: Redistributive Preference by GDP.

Otra manera:

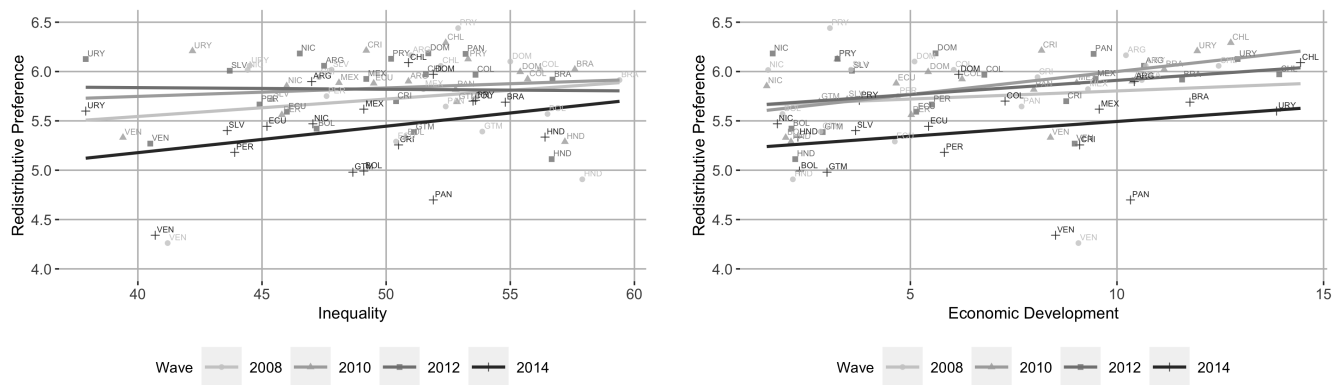


Figure 5: Redistributive Preference by GDP and GDP.

2 Multilevel estimation

Table 3: Hybrid multilevel regression models of individual redistributive preference

	M0	M1	M2	M3	M4	M5	M6	M7	M8
<i>Individual-level variables</i>									
Income: D9-D10		−0.05*** (0.01)	−0.04*** (0.01)	−0.04*** (0.01)	−0.04*** (0.01)	−0.04*** (0.01)	−0.04** (0.02)	−0.19 (0.19)	−0.01 (0.04)
Man			0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)
Age			0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Married			0.02** (0.01)	0.02** (0.01)	0.02** (0.01)	0.02** (0.01)	0.02** (0.01)	0.02** (0.01)	0.02** (0.01)
Political Ideology: Center			−0.00 (0.01)	−0.00 (0.01)	−0.00 (0.01)	−0.00 (0.01)	−0.00 (0.01)	−0.00 (0.01)	−0.00 (0.01)
Political Ideology: Left			0.10*** (0.01)	0.10*** (0.01)	0.10*** (0.01)	0.10*** (0.01)	0.10*** (0.01)	0.10*** (0.01)	0.10*** (0.01)
Political Ideology: Not declared			0.16*** (0.01)	0.16*** (0.01)	0.16*** (0.01)	0.16*** (0.01)	0.16*** (0.01)	0.16*** (0.01)	0.16*** (0.01)
System Confidence			0.08*** (0.00)	0.08*** (0.00)	0.08*** (0.00)	0.08*** (0.00)	0.08*** (0.00)	0.08*** (0.00)	0.08*** (0.00)
Unemployed			0.05*** (0.02)	0.05*** (0.02)	0.05*** (0.02)	0.05*** (0.02)	0.05*** (0.02)	0.05*** (0.02)	0.05*** (0.02)
Employee			0.04** (0.01)	0.04** (0.01)	0.04** (0.01)	0.04** (0.01)	0.04** (0.01)	0.04** (0.01)	0.04** (0.01)
Ed. Secondary			0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)
Ed. Tertiary			0.01 (0.01)	0.01 (0.01)	0.01 (0.01)	0.01 (0.01)	0.01 (0.01)	0.01 (0.01)	0.01 (0.01)
Zone Urban			−0.06*** (0.01)	−0.06*** (0.01)	−0.07*** (0.01)	−0.07*** (0.01)	−0.07*** (0.01)	−0.07*** (0.01)	−0.07*** (0.01)

*** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

	M0	M1	M2	M3	M4	M5	M6	M7	M8
<i>Country-level variables</i>									
Gini [BE]				0.01 (0.02)	0.02 (0.02)	0.01 (0.02)	0.01 (0.02)	0.02 (0.02)	0.01 (0.02)
Gini [WE]				-0.00 (0.02)	-0.00 (0.02)	-0.00 (0.02)	-0.00 (0.02)	-0.01 (0.02)	-0.00 (0.02)
GDP [BE]					0.04 (0.02)	-0.00 (0.05)	0.04* (0.02)	0.04* (0.02)	0.04 (0.02)
GDP [WE]					-0.11 (0.08)	-0.11 (0.08)	-0.11 (0.08)	-0.11 (0.08)	-0.11 (0.08)
E. Productivist						0.49 (0.45)			
E. Protectionist						0.23 (0.33)			
<i>Cross-level interactions</i>									
Income:D9-D10 * Gini[BE]								0.00 (0.00)	
Income:D9-D10 * Gini[WE]								0.01* (0.01)	
Income:D9-D10 * PIB[BE]									-0.00 (0.00)
Income:D9-D10 * PIB[WE]									-0.02 (0.03)
<i>Temporal trends</i>									
2010		0.09 (0.08)	0.07 (0.08)	0.07 (0.08)	0.08 (0.08)	0.08 (0.08)	0.09 (0.08)	0.09 (0.08)	0.09 (0.08)
2012		0.07 (0.08)	0.05 (0.08)	0.05 (0.09)	0.11 (0.10)	0.11 (0.10)	0.11 (0.10)	0.11 (0.10)	0.11 (0.10)
2014		-0.34*** (0.08)	-0.34*** (0.08)	-0.35*** (0.10)	-0.25** (0.12)	-0.25** (0.12)	-0.25** (0.12)	-0.25** (0.12)	-0.25** (0.12)
(Intercept)	5.70*** (0.08)	5.76*** (0.10)	5.38*** (0.10)	4.71*** (0.90)	4.27*** (0.90)	4.68*** (1.01)	4.38*** (0.87)	4.24*** (0.89)	4.42*** (0.86)

*** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

	M0	M1	M2	M3	M4	M5	M6	M7	M8
<i>Adjustment/variance</i>									
AIC	429583.50	429561.56	428979.26	428994.77	429003.31	429007.03	429005.25	429022.42	429022.17
BIC	429622.07	429638.70	429172.11	429206.90	429234.72	429257.73	429275.23	429311.69	429311.43
Log Likelihood	-214787.75	-214772.78	-214469.63	-214475.39	-214477.65	-214477.52	-214474.63	-214481.21	-214481.08
N Level 1	113804	113804	113804	113804	113804	113804	113804	113804	113804
N Level 2	72	72	72	72	72	72	72	72	72
N Level 3	18	18	18	18	18	18	18	18	18
Var: N2 (Int)	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Var: N3 (Int)	0.11	0.12	0.11	0.11	0.10	0.11	0.10	0.10	0.10
Var: Residual	2.40	2.40	2.39	2.39	2.39	2.39	2.39	2.39	2.39
Var: N2 D9-D10							0.00	0.00	0.00
Cov: N2 (Int) D9-D10							-0.00	-0.00	-0.00
Var: N3 D9-D10							0.00	0.00	0.00
Cov: N3 D9-D10							0.01	0.01	0.01

*** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

Random effects

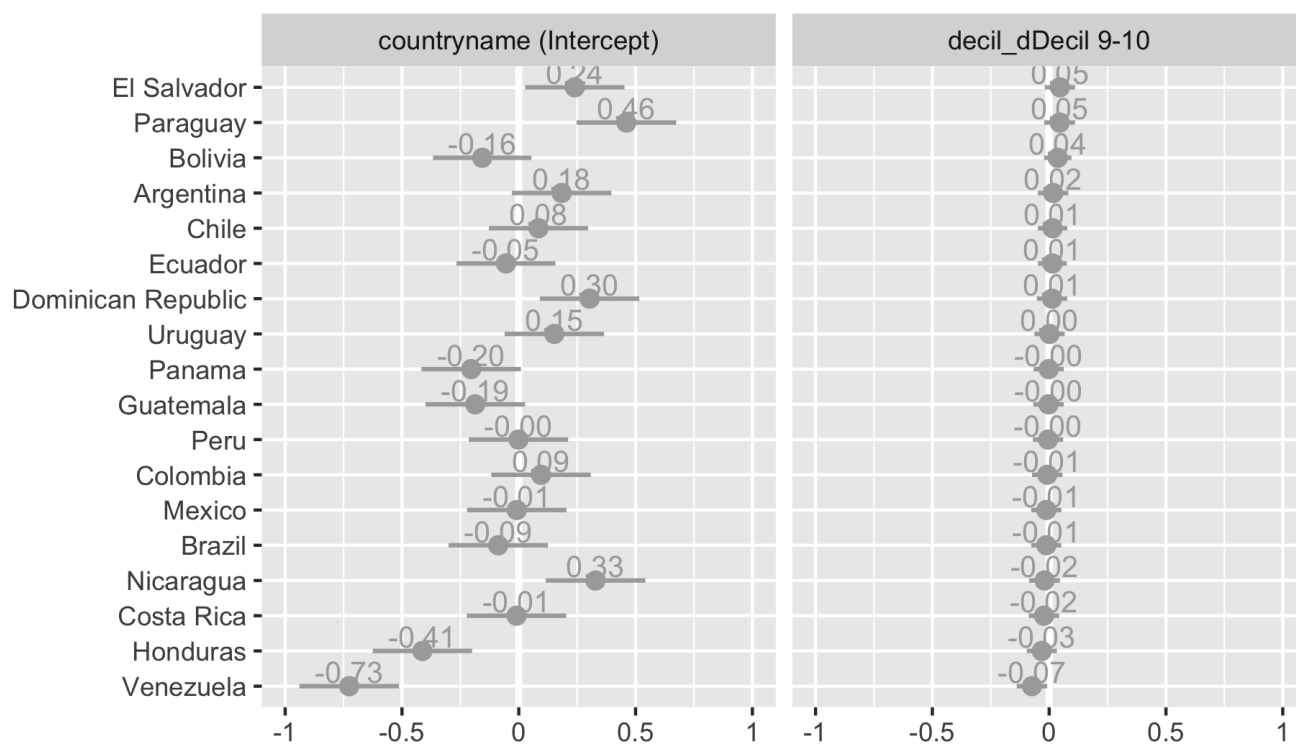


Figure 6: Random income effect on redistributive preference by country: intercept and slope.

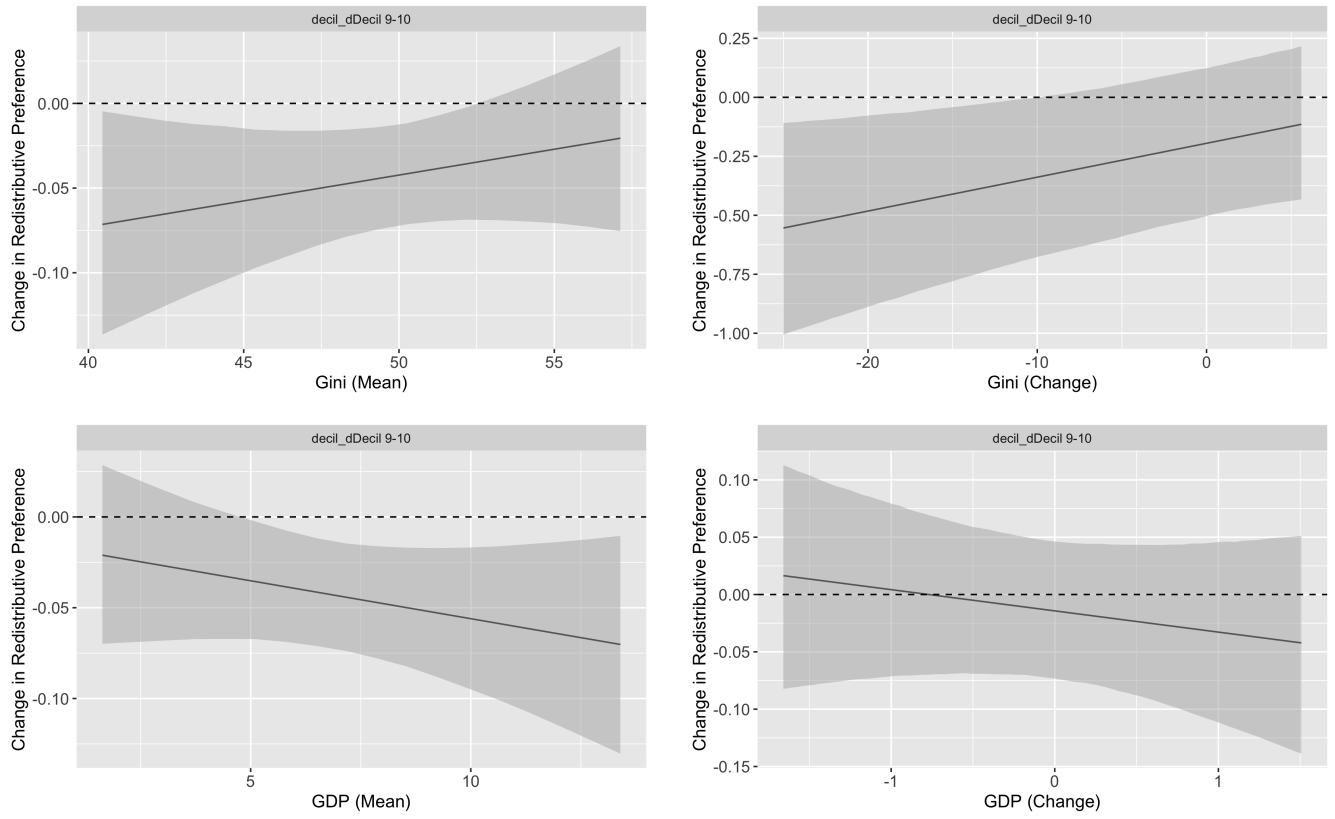


Figure 7: Income conditional effect on redistributive preference. Cross-level interaction.

3 Supplementary material

Table 4: Sample: Observations by country and year

	2008	2010	2012	2014	Total
Argentina	1370	1340	1461	1378	5549
Bolivia	2854	2887	2910	3003	11654
Brazil	1332	2274	1439	1394	6439
Chile	1463	1903	1502	1489	6357
Colombia	1445	1470	1372	1462	5749
Costa Rica	1403	1443	1424	1502	5772
Dominican Republic	1389	1422	1453	1492	5756
Ecuador	2857	2934	1422	1415	8628
El Salvador	1512	1537	1373	1503	5925
Guatemala	1320	1372	1433	1379	5504
Honduras	1428	1555	1631	1520	6134
Mexico	1502	1523	1522	1471	6018
Nicaragua	1287	1348	1569	1471	5675
Panama	1471	1496	1554	1474	5995
Paraguay	1122	1449	1454	1443	5468
Peru	1452	1466	1475	1454	5847
Uruguay	1448	1462	1469	1490	5869
Venezuela	1209	1439	1376	1441	5465
Total	27864	30320	27839	27781	113804

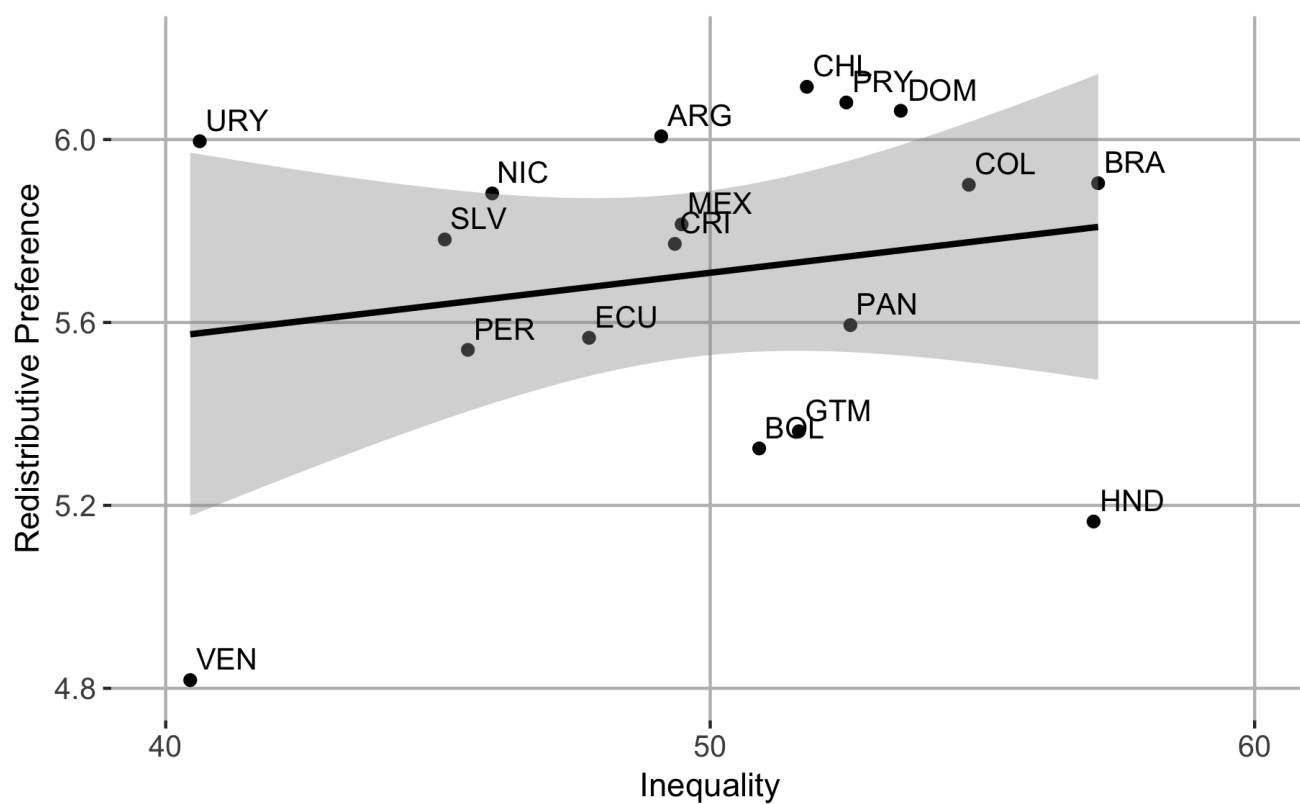


Figure 8: Agreement with redistribution and Inequality: Relationship "between" countries.

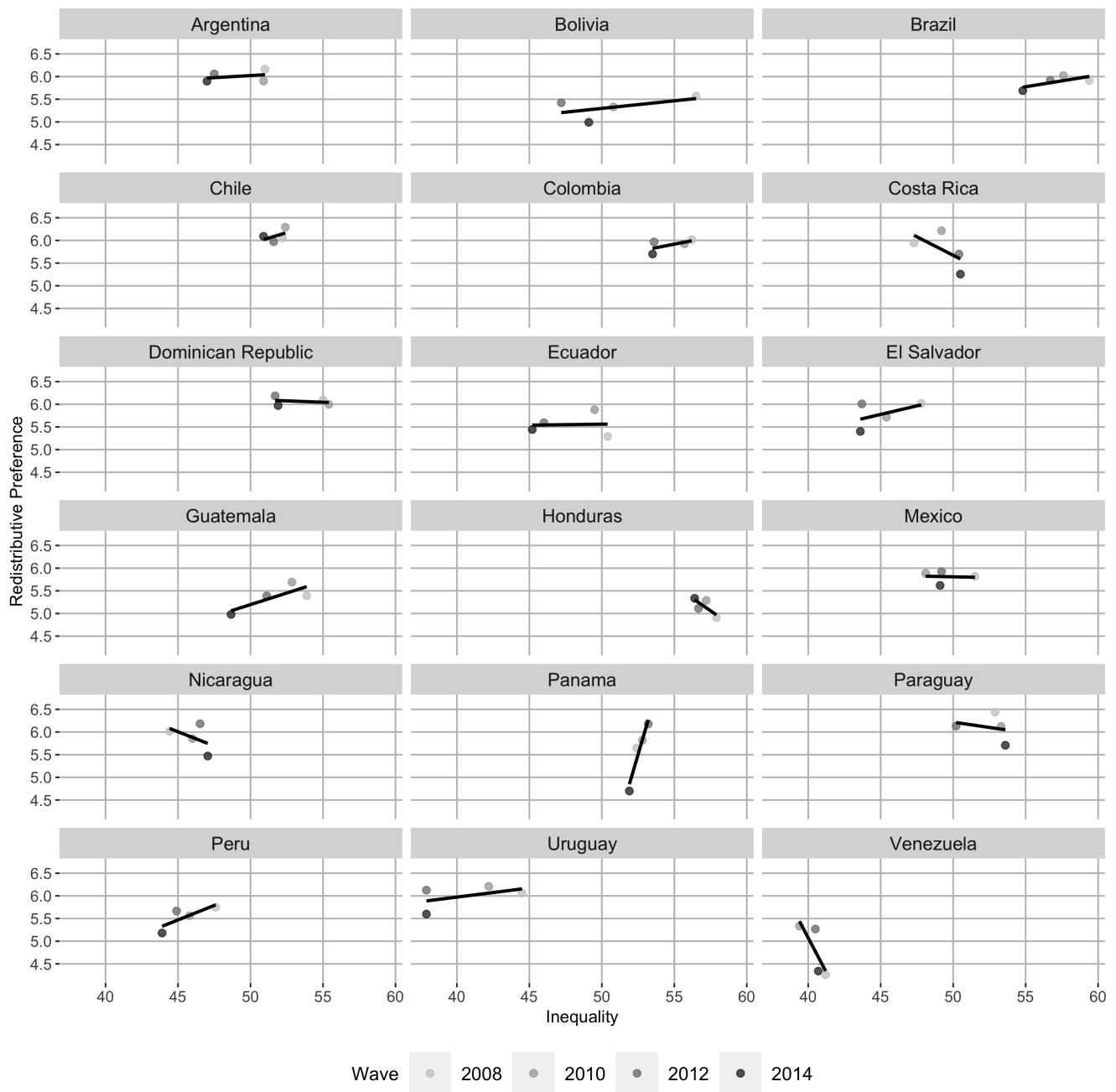


Figure 9: Agreement with redistribution and Inequality: Relationship "within" countries.

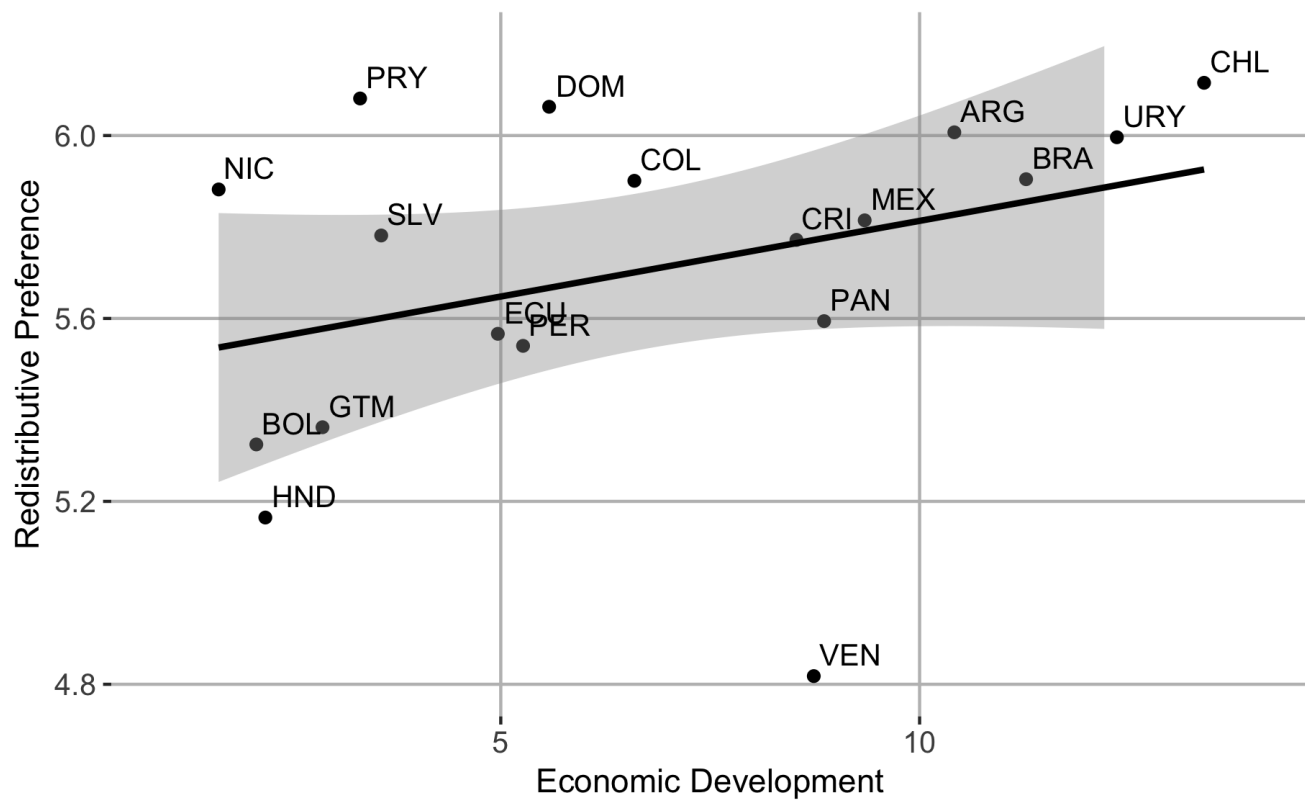


Figure 10: Agreement with redistribution and economic development: Relationship "between" countries

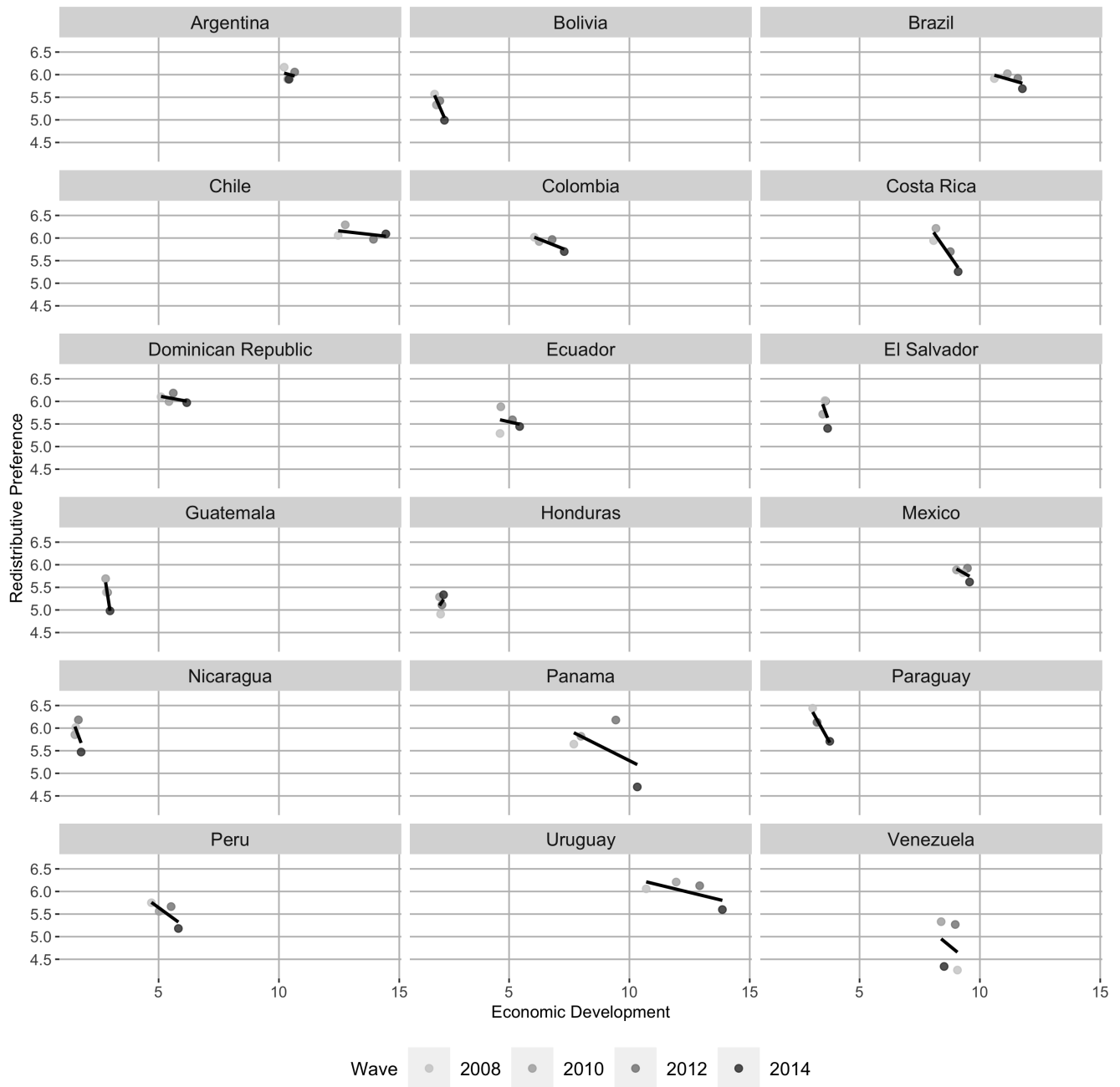


Figure 11: Agreement with redistribution and economic development: Relationship "within" countries