

# Supplementary Materials for “Do Elites Support Polycentric Climate Governance? Evidence from Latin American Countries”

Danilo Freire\*      Umberto Mignozzetti<sup>†</sup>      David Skarbek<sup>‡</sup>

16 May 2019

## Contents

<b>1</b>	<b>Latin American Elite Survey</b>	<b>2</b>
<b>2</b>	<b>Conjoint Experiment Analysis: Identification and Estimation</b>	<b>2</b>
<b>3</b>	<b>Descriptive Statistics</b>	<b>3</b>
<b>4</b>	<b>Frequency of features selected by each attribute</b>	<b>5</b>
<b>5</b>	<b>Code for the Main Paper</b>	<b>8</b>
<b>6</b>	<b>AMCE (Average Marginal Component Effect) Estimator</b>	<b>27</b>

---

\*Postdoctoral Research Associate, The Political Theory Project, Brown University, Providence, RI 02912, USA, [daniлоfreire@brown.edu](mailto:daniлоfreire@brown.edu), <http://daniлоfreire.github.io>. Corresponding author.

<sup>†</sup>School of International Relations, Fundação Getulio Vargas, São Paulo, SP, Brazil and Wilf Family Department of Politics, NYU, NY, USA, [umberto.mig@nyu.edu](mailto:umberto.mig@nyu.edu), <http://umbertomig.com>.

<sup>‡</sup>The Department of Political Science and the Political Theory Project, Brown University, Providence, RI, USA, [davidskarbek@brown.edu](mailto:davidskarbek@brown.edu), <http://davidskarbek.com>.

# 1 Latin American Elite Survey

From 1st of October to 5th of December 2018, we run an elite survey in ten Latin American countries: Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, Mexico, Panama, and Peru. The survey proceeded in two steps.

We collected information on Latin American elites. The target was:

1. Executive members
2. Legislative members
3. Civil society
4. Academics

For each profile, in each country, we aimed at surveying:

1. 10 Executive members
2. 10 Legislative members
3. 15 Civil society
4. 15 Academics

To do so, we build a prospective respondents dataset with ten times these members for each country. Then, we run an online and telephone survey where we collected information regarding the climate change agreements and other climate change related problems.

After finishing this dataset, we started the surveying stage. From 12th of November to 5th of December, we ran the survey by contacting elite members by phone or by email. We had two teams of enumerators, one based in Sao Paulo and another based in Rio de Janeiro, Brazil, comprised of Portuguese and Spanish native speakers. Although the overall aim of the survey was 500 responses, the teams managed to collect 654 interviews.

## 2 Conjoint Experiment Analysis: Identification and Estimation

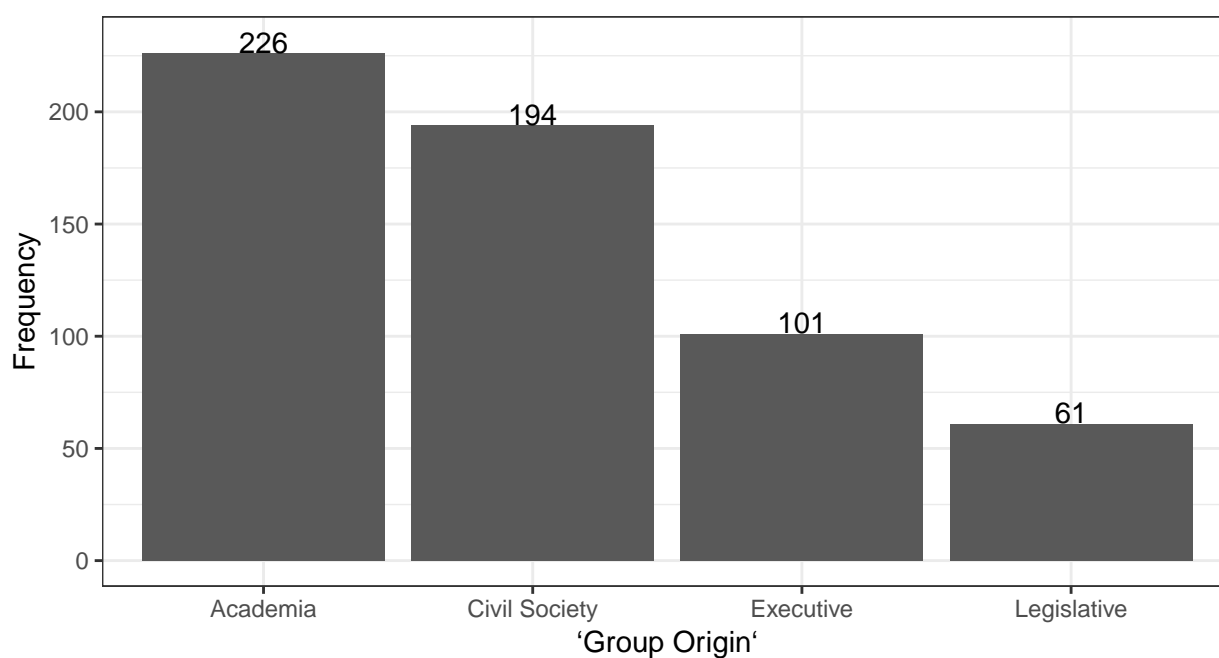
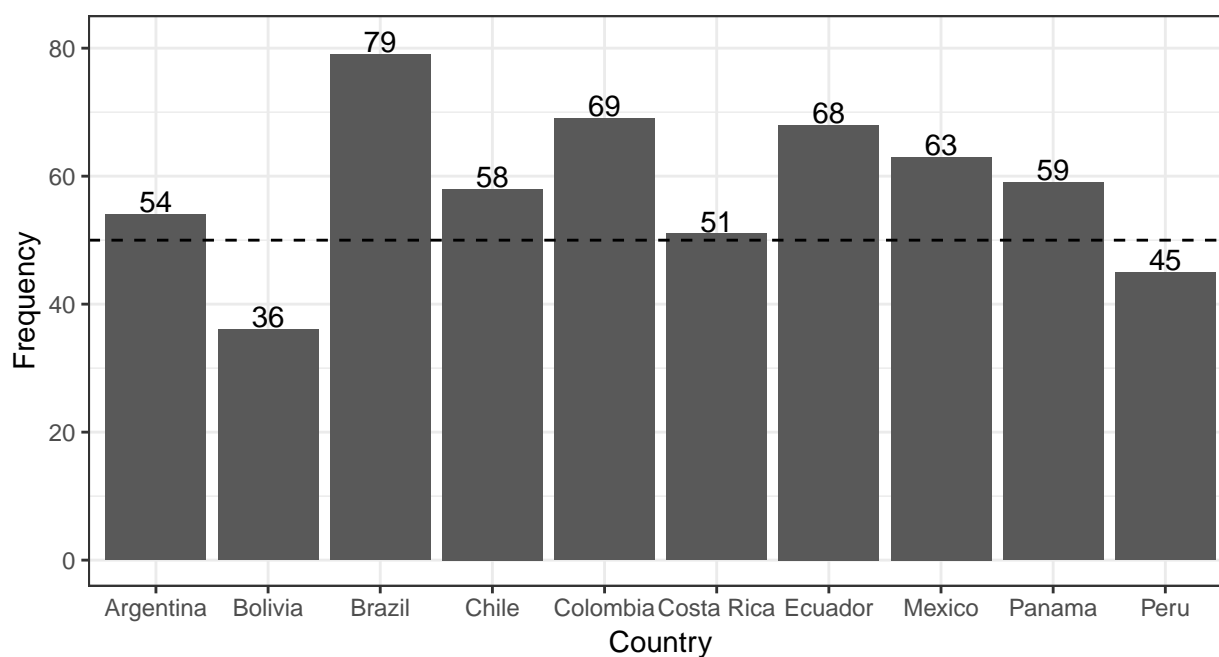
A conjoint experiment is a statistical technique that allows individuals to express their preferences on multiple attributes of a single topic (Hainmueller et al. 2014; Bansak et al. 2016). Individuals are

presented with two hypothetical scenarios, A and B, each containing a series of characteristics a researcher wants to evaluate. The individual chooses one of them. As the attributes are randomised and individuals choose between different pairs of hypothetical scenarios, we can estimate how individuals value each of the conjoined elements.

In our research, we ask what features elite members would like to see implemented in a climate change agreement. We ask their opinion on 6 questions: 1) who makes the rules; 2) who enforces the laws; 3) what punishment should be used against lawbreakers; 4) how are repeated violations punished; 5) how are costs distributed, and 6) how often the agreement will be renegotiated. Each of the questions has four to five different attributes. For the first two questions, we ask individuals if they would rather have the community, local governments, federal governments, or international organisations to create or enforce rules. As for punishments, we have options ranging from do nothing to fines and incarceration. We ask whether the costs of climate change agreements should be paid mostly or exclusively by developed countries, by polluter countries regardless of their wealth, or if costs should be allocated according to the history of emissions of a given nation. Individuals also state their preferences for short-term agreements, a proxy we use for flexibility, or for long-term ones, what we see as a proxy for the stability of rules. Lastly, we ask which of the two conjoined choices individuals perceive as more legitimate and more efficient. Conjoint experiments have many advantages. First, as each individual chooses between many pairs of possible climate agreements – seven in our case – we can drastically increase our sample size without incurring in further financial costs. The design thus maximises our research budget. Second, individuals rarely decide considering one attribute at a time, as presented in other types of survey experiments. In that regard, our conjoint analysis mirrors how people naturally make their choices, that is, by simultaneously taking several characteristics into consideration. Finally, as the experiments consist of a simple choice between A and B, conjoint analyses are easy to understand and to implement. This research design reduces the cognitive load interviewees have while answering surveys and as a result, we can expect more accurate responses from our sample.

### **3 Descriptive Statistics**

The main demographic statistics collected were the country and elite types, and the geolocation of the respondents. They follow in the graphs below.



As we can see, we managed to contact more than fifty elite members for all countries but Bolivia and Peru. To compensate for the low collection rates in these two countries, note that we exceeded the sample size in all the remaining states.

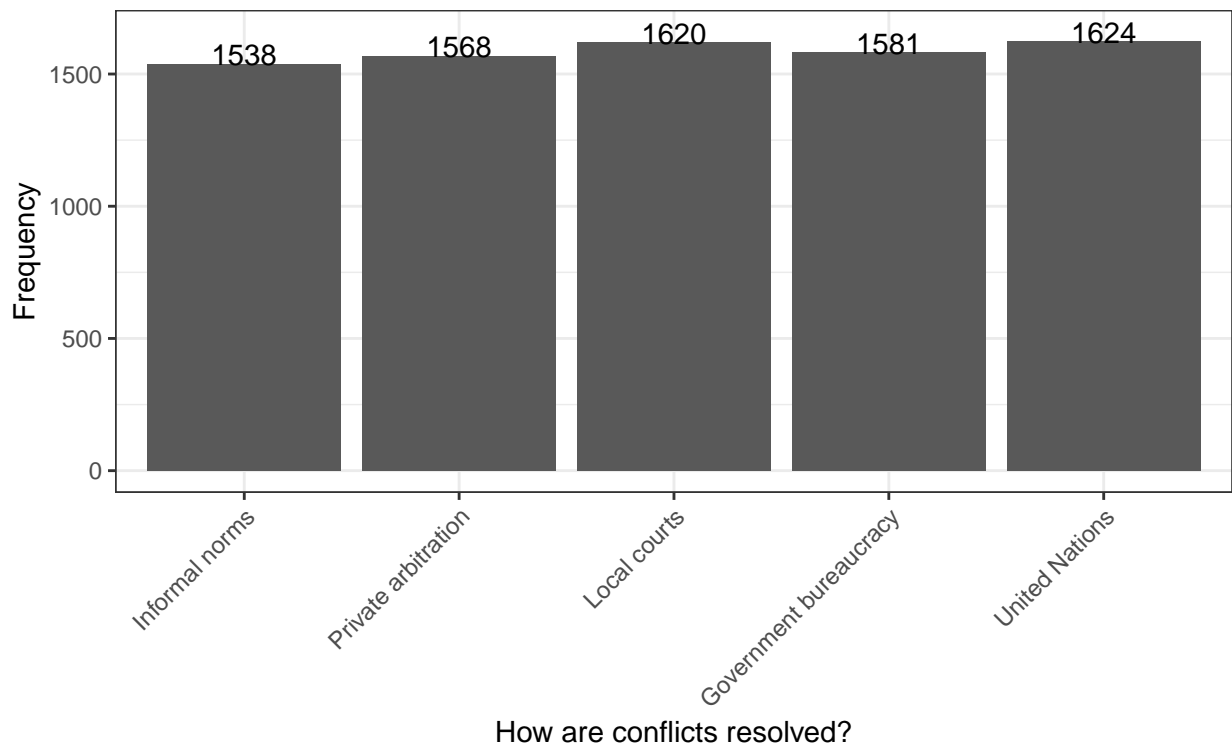
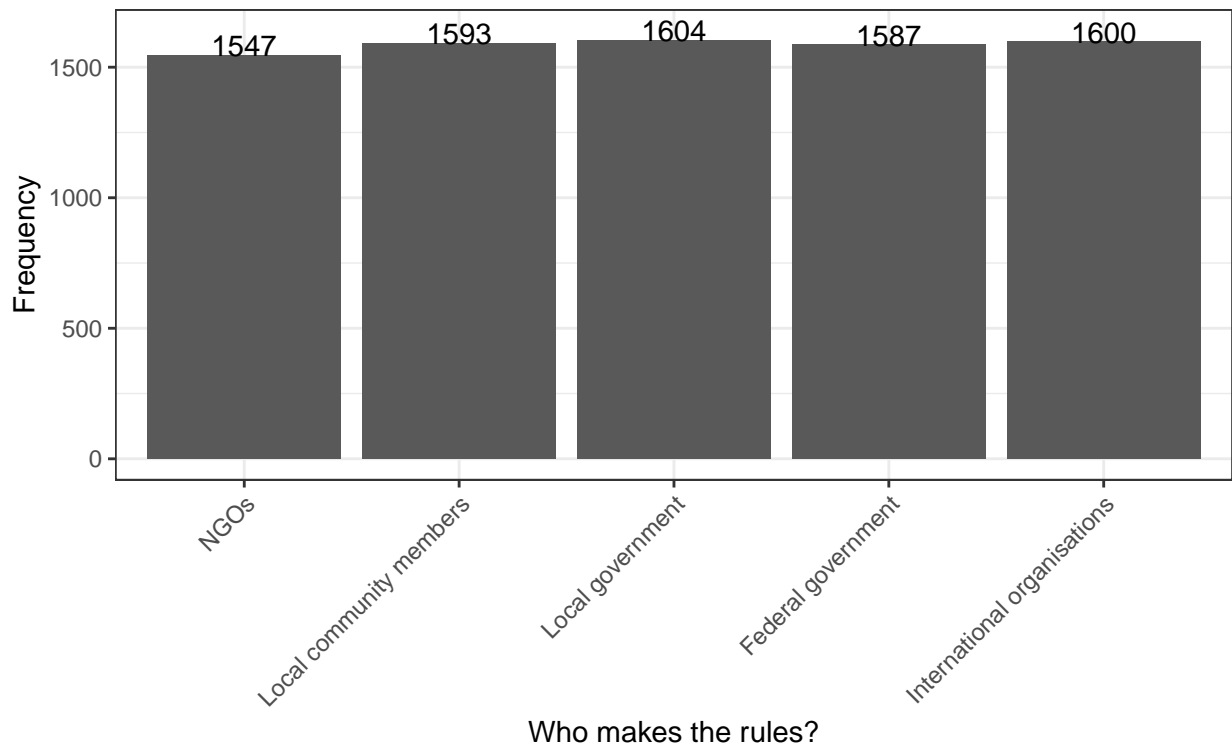
Considering the elite type, note that we have, as expected, more people from academia and the civil society, followed by Executive and Legislative. The legislative collection was below the original target, but above the minimum mark of 5 for each country. This is expected, given the difficulty of accessing these elite members.

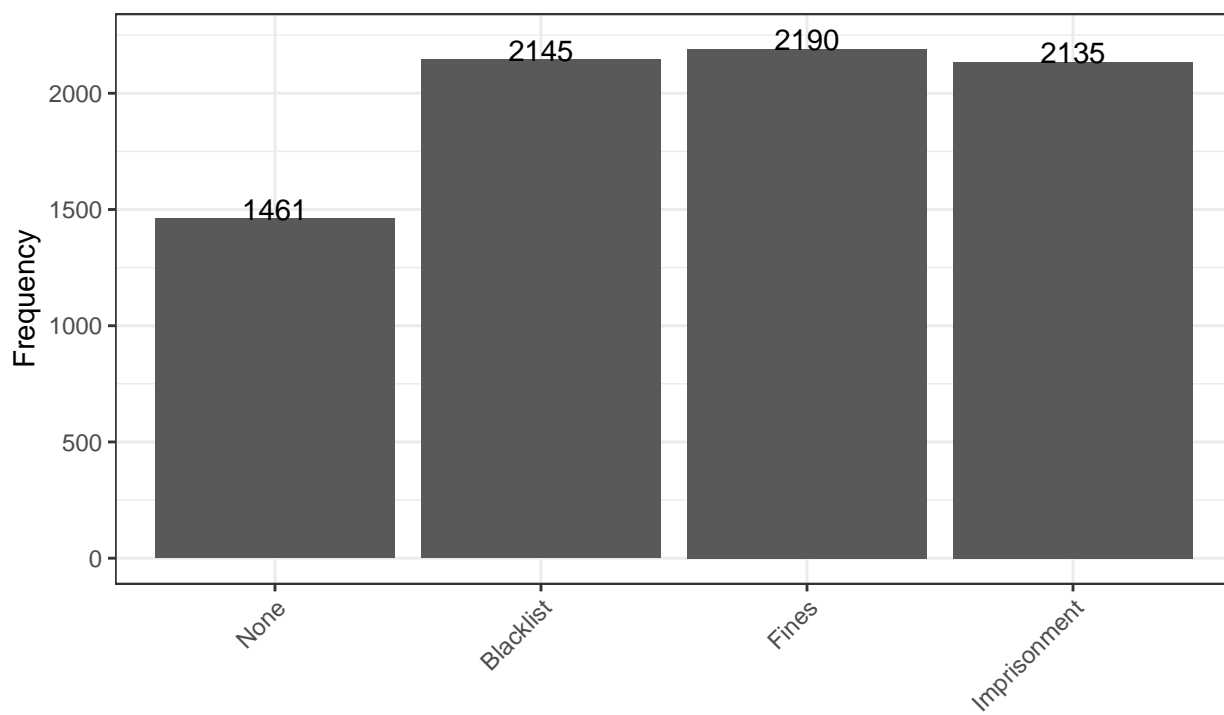
In the map, we can see that the answers concentrate on the country's capitals, with some variation

within the state, but with sample concentrated in the largest municipalities. This is expected, as elite members are assumed to gravitate around the capitals and the influence centers.

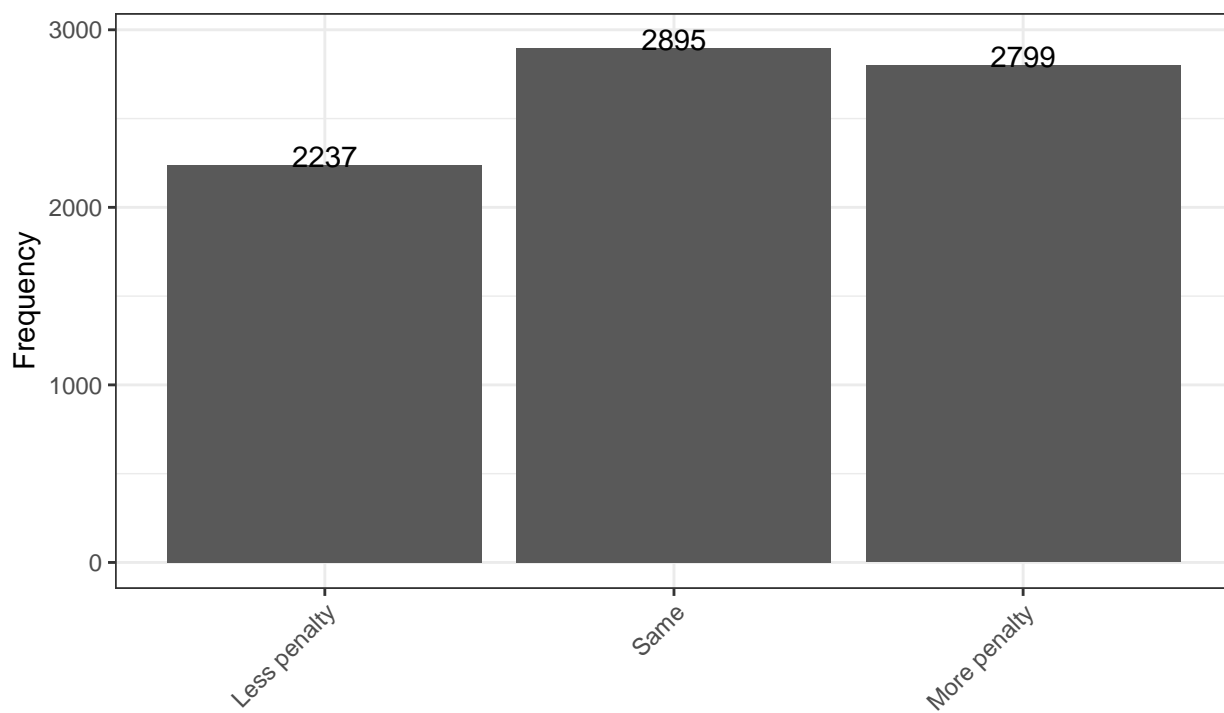
#### 4 Frequency of features selected by each attribute

The figures below display the feature frequency for each attribute, by each task.

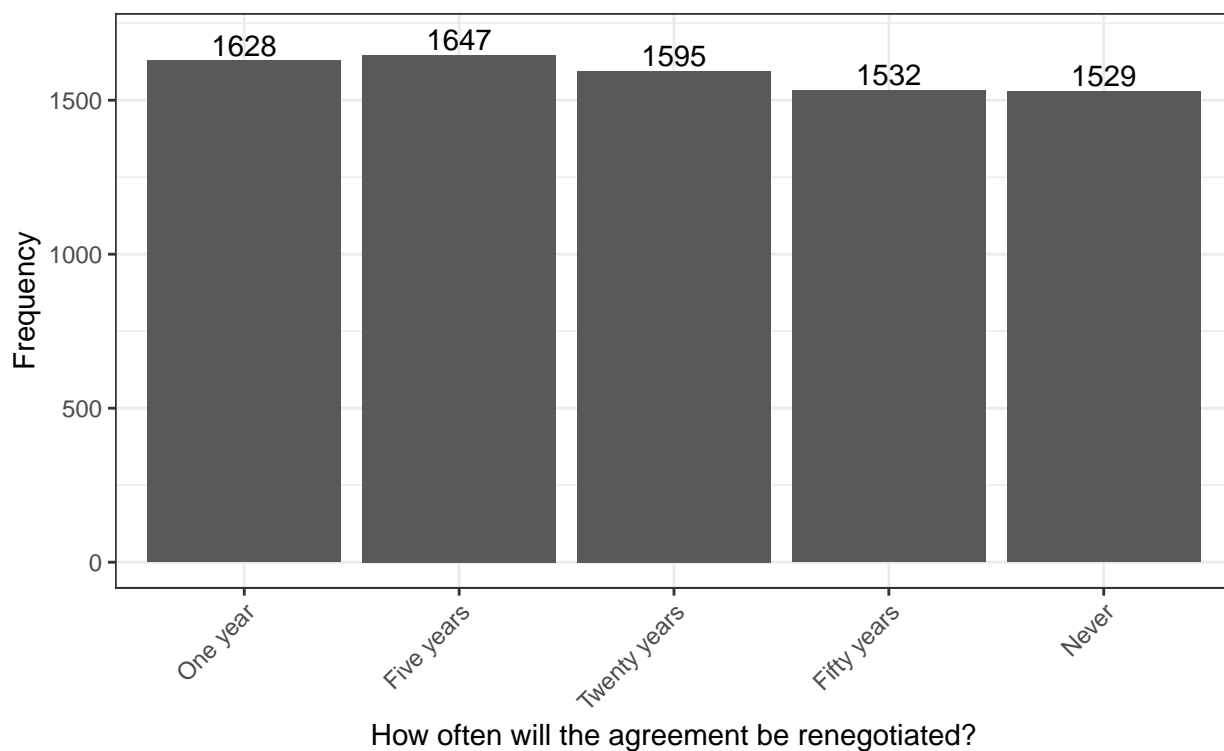
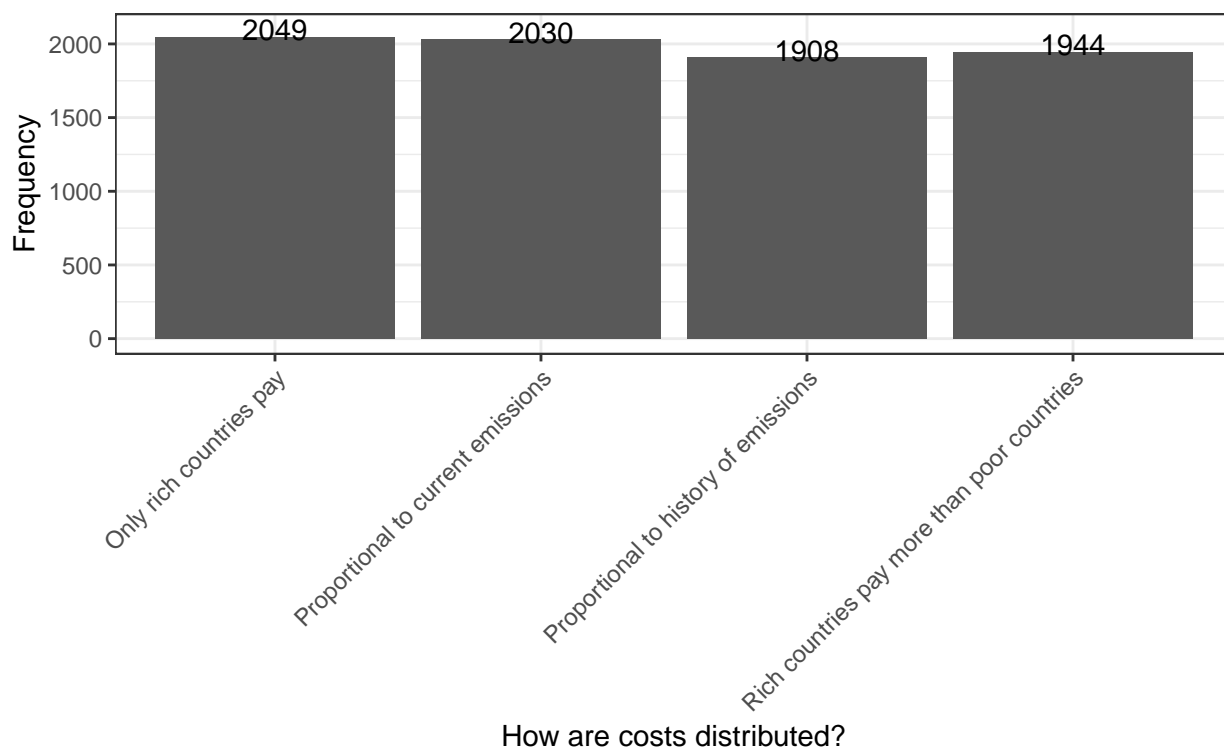




What punishments do they use?



How are repeated violations punished?



The two remarkable issues are the low frequency of *Less penalty* in the attribute *How are repeated violations punished?* and the low frequency of *None* for the attribute *What punishments do they use?*. This because when we draw the level none for the attribute *What punishments do they use?* or the level less penalty for *How are repeated violations punished?*, then it makes no sense to have less penalty than the minimum possible.

## 5 Code for the Main Paper

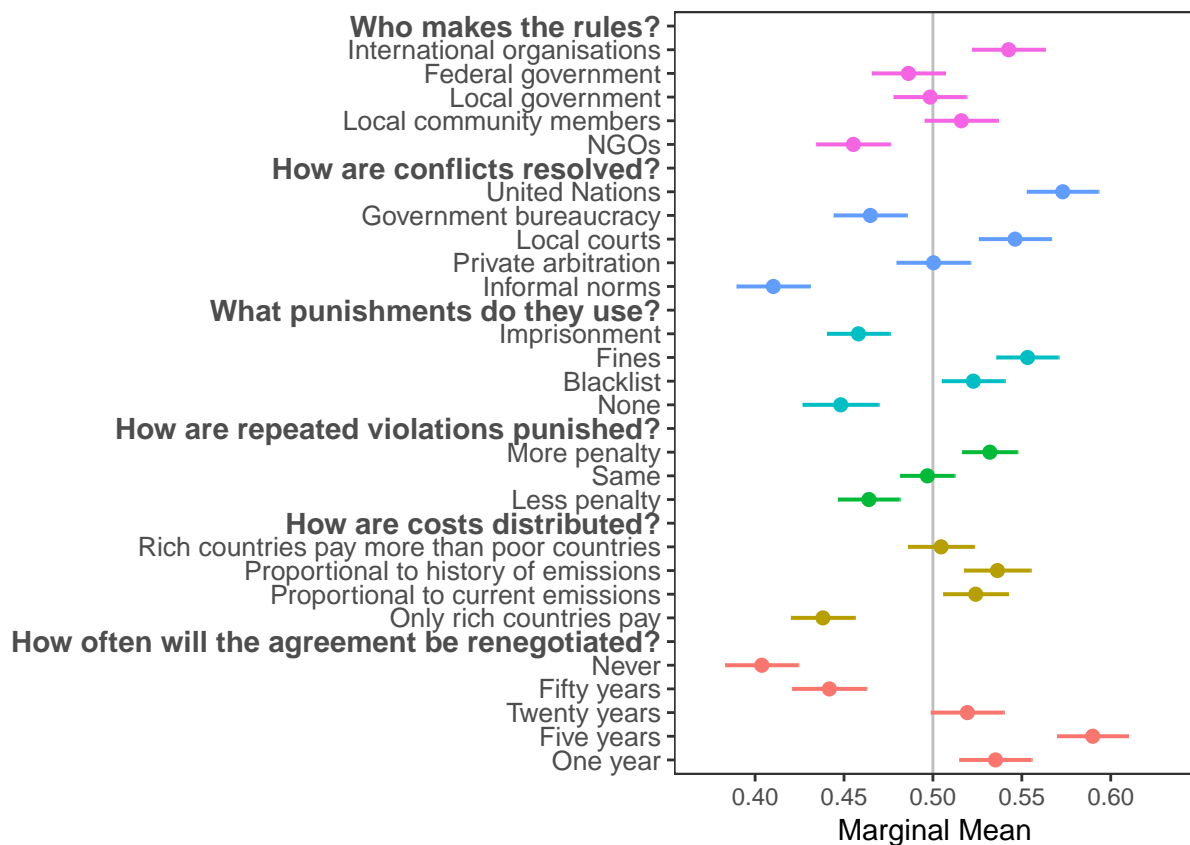
The code for Figure 2 of the paper follows below, with also the point estimates in a companion table.

```
## Main plot

# Main estimation equation
fm <- selected ~ `Who makes the rules?` +
  `How are conflicts resolved?` +
  `What punishments do they use?` +
  `How are repeated violations punished?` +
  `How are costs distributed?` +
  `How often will the agreement be renegotiated?`

# Plot
mms <- mm(cj, fm, id = ~Response.ID, alpha = .1, h0=0.5)
p <- plot_mm(mms, vline = 0.5)
ggsave(filename = 'MM_all.pdf', plot = p, width = 6, height = 5)
p
```





```
# Table
```

```
table_mm(mms, capt = 'Marginal Means -- Full Dataset')
```

The code for Figure 3 of the paper follows below, with also the point estimates in a companion table.

Table 1: Marginal Means – Full Dataset

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.455	0.013	0.000	0.434	0.476
Local community members	0.516	0.013	0.202	0.495	0.537
Local government	0.498	0.012	0.901	0.478	0.519
Federal government	0.486	0.013	0.271	0.466	0.507
International organisations	0.543	0.012	0.001	0.522	0.563
<b>How are conflicts resolved?</b>					
Informal norms	0.410	0.013	0.000	0.390	0.431
Private arbitration	0.500	0.013	0.980	0.480	0.521
Local courts	0.546	0.012	0.000	0.526	0.567
Government bureaucracy	0.465	0.013	0.005	0.444	0.485
United Nations	0.573	0.012	0.000	0.553	0.593
<b>What punishments do they use?</b>					
None	0.448	0.013	0.000	0.427	0.470
Blacklist	0.523	0.011	0.035	0.505	0.540
Fines	0.553	0.011	0.000	0.536	0.571
Imprisonment	0.458	0.011	0.000	0.440	0.476
<b>How are repeated violations punished?</b>					
Less penalty	0.464	0.011	0.001	0.447	0.481
Same	0.497	0.009	0.739	0.482	0.512
More penalty	0.532	0.009	0.001	0.517	0.548
<b>How are costs distributed?</b>					
Only rich countries pay	0.438	0.011	0.000	0.420	0.456
Proportional to current emissions	0.524	0.011	0.030	0.506	0.542
Proportional to history of emissions	0.536	0.011	0.001	0.518	0.555
Rich countries pay more than poor countries	0.505	0.011	0.684	0.486	0.523
<b>How often will the agreement be renegotiated?</b>					
One year	0.535	0.012	0.004	0.515	0.556
Five years	0.590	0.012	0.000	0.570	0.610
Twenty years	0.519	0.012	0.121	0.499	0.540
Fifty years	0.442	0.013	0.000	0.421	0.463
Never	0.404	0.013	0.000	0.383	0.424

```
## Marginal means by Country
```

```
# Argentina
```

```
arg <- mm(subset(cj, countryOrigin=='Argentina'),
```

```
      fm, id = ~Response.ID, alpha = .1, h0=0.5)
```

```
table_mm(arg, capt = 'Marginal Means -- Argentina Only')
```

Table 2: Marginal Means – Argentina Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.417	0.043	0.052	0.346	0.487
Local community members	0.449	0.044	0.246	0.376	0.521
Local government	0.503	0.042	0.933	0.435	0.572
Federal government	0.504	0.045	0.928	0.429	0.579
International organisations	0.619	0.041	0.004	0.551	0.686
<b>How are conflicts resolved?</b>					
Informal norms	0.377	0.043	0.004	0.307	0.447
Private arbitration	0.522	0.047	0.638	0.445	0.599
Local courts	0.574	0.042	0.074	0.506	0.643
Government bureaucracy	0.446	0.044	0.217	0.374	0.518
United Nations	0.568	0.041	0.097	0.501	0.635
<b>What punishments do they use?</b>					
None	0.361	0.043	0.001	0.289	0.432
Blacklist	0.514	0.037	0.710	0.453	0.575
Fines	0.587	0.037	0.019	0.526	0.647
Imprisonment	0.494	0.037	0.882	0.433	0.556
<b>How are repeated violations punished?</b>					
Less penalty	0.465	0.035	0.319	0.406	0.523
Same	0.516	0.032	0.608	0.464	0.569
More penalty	0.514	0.034	0.686	0.458	0.569
<b>How are costs distributed?</b>					
Only rich countries pay	0.408	0.035	0.009	0.350	0.466
Proportional to current emissions	0.534	0.041	0.410	0.466	0.601
Proportional to history of emissions	0.576	0.038	0.045	0.514	0.638
Rich countries pay more than poor countries	0.500	0.041	1.000	0.432	0.568
<b>How often will the agreement be renegotiated?</b>					
One year	0.604	0.039	0.008	0.539	0.669
Five years	0.545	0.043	0.298	0.474	0.616
Twenty years	0.438	0.044	0.157	0.367	0.510
Fifty years	0.438	0.044	0.154	0.365	0.510
Never	0.448	0.046	0.263	0.372	0.524

```
# Bolivia
```

```
bol <- mm(subset(cj, countryOrigin=='Bolivia'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(bol, capt = 'Marginal Means -- Bolivia Only')
```

Table 3: Marginal Means – Bolivia Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.421	0.051	0.119	0.338	0.504
Local community members	0.575	0.053	0.159	0.488	0.662
Local government	0.560	0.054	0.272	0.470	0.649
Federal government	0.467	0.048	0.498	0.388	0.547
International organisations	0.494	0.056	0.910	0.401	0.586
<b>How are conflicts resolved?</b>					
Informal norms	0.369	0.053	0.013	0.282	0.456
Private arbitration	0.543	0.051	0.408	0.458	0.627
Local courts	0.538	0.052	0.467	0.453	0.623
Government bureaucracy	0.397	0.055	0.064	0.306	0.489
United Nations	0.612	0.048	0.020	0.533	0.691
<b>What punishments do they use?</b>					
None	0.442	0.054	0.278	0.354	0.530
Blacklist	0.466	0.044	0.431	0.394	0.537
Fines	0.570	0.044	0.108	0.498	0.642
Imprisonment	0.505	0.048	0.923	0.425	0.584
<b>How are repeated violations punished?</b>					
Less penalty	0.451	0.042	0.238	0.382	0.519
Same	0.534	0.038	0.362	0.472	0.597
More penalty	0.507	0.043	0.864	0.437	0.578
<b>How are costs distributed?</b>					
Only rich countries pay	0.424	0.045	0.094	0.349	0.499
Proportional to current emissions	0.593	0.047	0.050	0.515	0.670
Proportional to history of emissions	0.427	0.046	0.112	0.352	0.503
Rich countries pay more than poor countries	0.569	0.047	0.147	0.491	0.647
<b>How often will the agreement be renegotiated?</b>					
One year	0.485	0.050	0.763	0.402	0.567
Five years	0.624	0.048	0.010	0.544	0.703
Twenty years	0.575	0.053	0.159	0.488	0.662
Fifty years	0.385	0.055	0.036	0.294	0.475
Never	0.402	0.053	0.063	0.316	0.489

```
# Brazil
```

```
bra <- mm(subset(cj, countryOrigin=='Brazil'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(bra, capt = 'Marginal Means -- Brazil Only')
```

Table 4: Marginal Means – Brazil Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.492	0.036	0.829	0.433	0.551
Local community members	0.495	0.036	0.886	0.436	0.554
Local government	0.456	0.036	0.219	0.397	0.515
Federal government	0.481	0.036	0.610	0.422	0.541
International organisations	0.563	0.033	0.053	0.509	0.617
<b>How are conflicts resolved?</b>					
Informal norms	0.434	0.037	0.079	0.373	0.496
Private arbitration	0.475	0.035	0.477	0.416	0.533
Local courts	0.556	0.035	0.114	0.498	0.615
Government bureaucracy	0.476	0.035	0.485	0.418	0.533
United Nations	0.547	0.033	0.160	0.492	0.601
<b>What punishments do they use?</b>					
None	0.465	0.038	0.356	0.402	0.528
Blacklist	0.523	0.031	0.461	0.472	0.573
Fines	0.569	0.030	0.021	0.520	0.618
Imprisonment	0.434	0.029	0.024	0.386	0.482
<b>How are repeated violations punished?</b>					
Less penalty	0.416	0.029	0.004	0.368	0.464
Same	0.518	0.027	0.490	0.475	0.562
More penalty	0.549	0.026	0.063	0.506	0.592
<b>How are costs distributed?</b>					
Only rich countries pay	0.429	0.033	0.028	0.375	0.482
Proportional to current emissions	0.496	0.031	0.901	0.445	0.547
Proportional to history of emissions	0.546	0.032	0.152	0.493	0.599
Rich countries pay more than poor countries	0.524	0.030	0.431	0.474	0.574
<b>How often will the agreement be renegotiated?</b>					
One year	0.535	0.034	0.305	0.479	0.591
Five years	0.568	0.036	0.064	0.508	0.627
Twenty years	0.537	0.034	0.275	0.481	0.593
Fifty years	0.469	0.035	0.368	0.412	0.526
Never	0.377	0.037	0.001	0.317	0.437

```
# Chile
```

```
chi <- mm(subset(cj, countryOrigin=='Chile'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(chi, capt = 'Marginal Means -- Chile Only')
```

Table 5: Marginal Means – Chile Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.400	0.043	0.020	0.329	0.471
Local community members	0.630	0.039	0.001	0.566	0.694
Local government	0.538	0.040	0.335	0.473	0.604
Federal government	0.403	0.043	0.025	0.332	0.474
International organisations	0.496	0.043	0.932	0.426	0.567
<b>How are conflicts resolved?</b>					
Informal norms	0.403	0.042	0.022	0.333	0.473
Private arbitration	0.480	0.045	0.652	0.406	0.554
Local courts	0.606	0.039	0.006	0.543	0.670
Government bureaucracy	0.445	0.041	0.183	0.378	0.513
United Nations	0.545	0.042	0.275	0.477	0.614
<b>What punishments do they use?</b>					
None	0.425	0.043	0.081	0.355	0.496
Blacklist	0.607	0.036	0.003	0.547	0.666
Fines	0.512	0.035	0.726	0.455	0.570
Imprisonment	0.435	0.036	0.076	0.376	0.495
<b>How are repeated violations punished?</b>					
Less penalty	0.476	0.036	0.512	0.416	0.536
Same	0.438	0.030	0.041	0.388	0.488
More penalty	0.583	0.031	0.007	0.532	0.634
<b>How are costs distributed?</b>					
Only rich countries pay	0.462	0.040	0.338	0.397	0.527
Proportional to current emissions	0.524	0.037	0.508	0.464	0.585
Proportional to history of emissions	0.497	0.037	0.940	0.436	0.559
Rich countries pay more than poor countries	0.511	0.037	0.768	0.450	0.571
<b>How often will the agreement be renegotiated?</b>					
One year	0.418	0.042	0.050	0.350	0.487
Five years	0.645	0.038	0.000	0.582	0.708
Twenty years	0.503	0.042	0.934	0.435	0.572
Fifty years	0.489	0.043	0.795	0.417	0.560
Never	0.424	0.043	0.078	0.353	0.495

```
# Colombia
```

```
col <- mm(subset(cj, countryOrigin=='Colombia'),
  fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(col, capt = 'Marginal Means -- Colombia Only')
```

Table 6: Marginal Means – Colombia Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.430	0.042	0.090	0.361	0.498
Local community members	0.595	0.038	0.012	0.533	0.658
Local government	0.465	0.038	0.359	0.403	0.528
Federal government	0.463	0.037	0.327	0.402	0.525
International organisations	0.544	0.041	0.285	0.476	0.611
<b>How are conflicts resolved?</b>					
Informal norms	0.410	0.038	0.018	0.347	0.472
Private arbitration	0.510	0.040	0.808	0.443	0.576
Local courts	0.533	0.039	0.394	0.469	0.596
Government bureaucracy	0.466	0.039	0.385	0.401	0.531
United Nations	0.584	0.039	0.031	0.520	0.648
<b>What punishments do they use?</b>					
None	0.497	0.038	0.939	0.434	0.560
Blacklist	0.531	0.034	0.370	0.474	0.587
Fines	0.551	0.033	0.123	0.497	0.606
Imprisonment	0.414	0.035	0.013	0.357	0.471
<b>How are repeated violations punished?</b>					
Less penalty	0.479	0.034	0.537	0.423	0.535
Same	0.492	0.029	0.772	0.444	0.539
More penalty	0.523	0.029	0.417	0.476	0.571
<b>How are costs distributed?</b>					
Only rich countries pay	0.475	0.034	0.459	0.420	0.530
Proportional to current emissions	0.516	0.034	0.633	0.460	0.572
Proportional to history of emissions	0.538	0.035	0.286	0.480	0.596
Rich countries pay more than poor countries	0.468	0.038	0.402	0.406	0.531
<b>How often will the agreement be renegotiated?</b>					
One year	0.547	0.038	0.221	0.484	0.609
Five years	0.558	0.039	0.137	0.494	0.621
Twenty years	0.547	0.039	0.232	0.482	0.612
Fifty years	0.423	0.042	0.069	0.354	0.493
Never	0.417	0.037	0.026	0.356	0.478

```
# Costa Rica
```

```
cri <- mm(subset(cj, countryOrigin=='Costa Rica'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(cri, capt = 'Marginal Means -- Costa Rica Only')
```

Table 7: Marginal Means – Costa Rica Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.524	0.044	0.593	0.451	0.597
Local community members	0.439	0.042	0.146	0.370	0.508
Local government	0.565	0.043	0.134	0.494	0.636
Federal government	0.511	0.043	0.798	0.441	0.581
International organisations	0.459	0.048	0.387	0.380	0.537
<b>How are conflicts resolved?</b>					
Informal norms	0.402	0.043	0.021	0.331	0.472
Private arbitration	0.496	0.044	0.930	0.424	0.569
Local courts	0.497	0.042	0.934	0.428	0.565
Government bureaucracy	0.500	0.048	1.000	0.421	0.579
United Nations	0.609	0.043	0.011	0.538	0.680
<b>What punishments do they use?</b>					
None	0.383	0.045	0.010	0.308	0.457
Blacklist	0.477	0.038	0.541	0.414	0.539
Fines	0.588	0.036	0.014	0.529	0.647
Imprisonment	0.506	0.039	0.877	0.442	0.569
<b>How are repeated violations punished?</b>					
Less penalty	0.461	0.035	0.261	0.403	0.518
Same	0.481	0.034	0.584	0.425	0.537
More penalty	0.554	0.033	0.107	0.499	0.608
<b>How are costs distributed?</b>					
Only rich countries pay	0.396	0.039	0.007	0.332	0.460
Proportional to current emissions	0.582	0.040	0.041	0.516	0.647
Proportional to history of emissions	0.515	0.039	0.695	0.451	0.580
Rich countries pay more than poor countries	0.509	0.039	0.816	0.445	0.573
<b>How often will the agreement be renegotiated?</b>					
One year	0.598	0.046	0.034	0.522	0.674
Five years	0.674	0.040	0.000	0.608	0.740
Twenty years	0.471	0.042	0.498	0.402	0.541
Fifty years	0.381	0.042	0.004	0.312	0.450
Never	0.380	0.044	0.007	0.308	0.453

# Ecuador

```
ecu <- mm(subset(cj, countryOrigin=='Ecuador'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(ecu, capt = 'Marginal Means -- Ecuador Only')
```



Table 8: Marginal Means – Ecuador Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.427	0.038	0.053	0.365	0.489
Local community members	0.548	0.038	0.215	0.484	0.611
Local government	0.518	0.039	0.643	0.454	0.581
Federal government	0.475	0.039	0.529	0.411	0.540
International organisations	0.531	0.038	0.405	0.469	0.593
<b>How are conflicts resolved?</b>					
Informal norms	0.420	0.039	0.039	0.356	0.484
Private arbitration	0.500	0.036	1.000	0.440	0.560
Local courts	0.556	0.037	0.131	0.495	0.617
Government bureaucracy	0.424	0.039	0.053	0.359	0.489
United Nations	0.596	0.039	0.014	0.532	0.661
<b>What punishments do they use?</b>					
None	0.490	0.040	0.810	0.424	0.556
Blacklist	0.572	0.033	0.030	0.517	0.627
Fines	0.544	0.033	0.184	0.490	0.598
Imprisonment	0.397	0.032	0.001	0.345	0.450
<b>How are repeated violations punished?</b>					
Less penalty	0.468	0.032	0.329	0.415	0.522
Same	0.480	0.029	0.490	0.433	0.527
More penalty	0.544	0.029	0.121	0.497	0.591
<b>How are costs distributed?</b>					
Only rich countries pay	0.412	0.033	0.007	0.359	0.466
Proportional to current emissions	0.581	0.034	0.016	0.526	0.637
Proportional to history of emissions	0.546	0.036	0.197	0.487	0.604
Rich countries pay more than poor countries	0.468	0.035	0.363	0.411	0.526
<b>How often will the agreement be renegotiated?</b>					
One year	0.465	0.040	0.379	0.399	0.530
Five years	0.554	0.038	0.149	0.492	0.616
Twenty years	0.531	0.038	0.405	0.469	0.593
Fifty years	0.447	0.038	0.165	0.384	0.510
Never	0.497	0.039	0.938	0.433	0.561

```
# Mexico
```

```
mex <- mm(subset(cj, countryOrigin=='Mexico'),
           fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(mex, capt = 'Marginal Means -- Mexico Only')
```

Table 9: Marginal Means – Mexico Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.457	0.042	0.309	0.388	0.526
Local community members	0.470	0.043	0.489	0.399	0.541
Local government	0.438	0.040	0.122	0.372	0.504
Federal government	0.497	0.040	0.937	0.432	0.562
International organisations	0.620	0.038	0.001	0.559	0.682
<b>How are conflicts resolved?</b>					
Informal norms	0.405	0.040	0.019	0.339	0.472
Private arbitration	0.520	0.041	0.626	0.453	0.586
Local courts	0.507	0.042	0.867	0.438	0.576
Government bureaucracy	0.461	0.040	0.329	0.394	0.527
United Nations	0.601	0.039	0.009	0.537	0.665
<b>What punishments do they use?</b>					
None	0.472	0.044	0.534	0.400	0.545
Blacklist	0.478	0.035	0.531	0.421	0.535
Fines	0.571	0.035	0.040	0.514	0.629
Imprisonment	0.470	0.034	0.374	0.414	0.526
<b>How are repeated violations punished?</b>					
Less penalty	0.505	0.035	0.888	0.447	0.563
Same	0.503	0.029	0.908	0.456	0.551
More penalty	0.492	0.031	0.802	0.441	0.544
<b>How are costs distributed?</b>					
Only rich countries pay	0.429	0.036	0.047	0.369	0.488
Proportional to current emissions	0.500	0.035	1.000	0.442	0.558
Proportional to history of emissions	0.620	0.038	0.001	0.559	0.682
Rich countries pay more than poor countries	0.466	0.036	0.348	0.407	0.525
<b>How often will the agreement be renegotiated?</b>					
One year	0.507	0.041	0.871	0.440	0.573
Five years	0.616	0.038	0.002	0.553	0.678
Twenty years	0.487	0.041	0.746	0.420	0.554
Fifty years	0.493	0.043	0.864	0.422	0.563
Never	0.385	0.040	0.004	0.319	0.451

```
# Panama
```

```
pan <- mm(subset(cj, countryOrigin=='Panama'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(pan, capt = 'Marginal Means -- Panama Only')
```

Table 10: Marginal Means – Panama Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.478	0.040	0.578	0.413	0.543
Local community members	0.526	0.040	0.521	0.460	0.591
Local government	0.477	0.041	0.566	0.409	0.544
Federal government	0.497	0.040	0.936	0.431	0.563
International organisations	0.522	0.040	0.576	0.457	0.588
<b>How are conflicts resolved?</b>					
Informal norms	0.439	0.040	0.127	0.374	0.505
Private arbitration	0.488	0.039	0.756	0.424	0.552
Local courts	0.549	0.041	0.241	0.480	0.617
Government bureaucracy	0.477	0.040	0.571	0.411	0.544
United Nations	0.551	0.040	0.198	0.486	0.617
<b>What punishments do they use?</b>					
None	0.455	0.042	0.275	0.386	0.523
Blacklist	0.522	0.035	0.531	0.465	0.579
Fines	0.531	0.033	0.349	0.476	0.586
Imprisonment	0.475	0.035	0.481	0.417	0.533
<b>How are repeated violations punished?</b>					
Less penalty	0.432	0.033	0.042	0.378	0.487
Same	0.466	0.030	0.253	0.416	0.515
More penalty	0.588	0.030	0.003	0.540	0.637
<b>How are costs distributed?</b>					
Only rich countries pay	0.473	0.035	0.442	0.416	0.531
Proportional to current emissions	0.497	0.036	0.942	0.438	0.557
Proportional to history of emissions	0.513	0.037	0.715	0.453	0.573
Rich countries pay more than poor countries	0.518	0.036	0.614	0.459	0.577
<b>How often will the agreement be renegotiated?</b>					
One year	0.605	0.040	0.008	0.540	0.670
Five years	0.552	0.038	0.170	0.490	0.614
Twenty years	0.573	0.040	0.069	0.507	0.640
Fifty years	0.418	0.041	0.044	0.351	0.485
Never	0.344	0.038	0.000	0.281	0.407

# Peru

```
per <- mm(subset(cj, countryOrigin=='Peru'),
          fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(per, capt = 'Marginal Means -- Peru Only')
```

Table 11: Marginal Means – Peru Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.442	0.049	0.236	0.362	0.522
Local community members	0.410	0.048	0.059	0.331	0.488
Local government	0.568	0.047	0.151	0.490	0.645
Federal government	0.537	0.048	0.440	0.458	0.616
International organisations	0.533	0.046	0.464	0.458	0.608
<b>How are conflicts resolved?</b>					
Informal norms	0.351	0.048	0.002	0.271	0.430
Private arbitration	0.607	0.045	0.018	0.533	0.681
Local courts	0.505	0.051	0.919	0.422	0.589
Government bureaucracy	0.488	0.045	0.788	0.414	0.562
United Nations	0.527	0.047	0.570	0.449	0.604
<b>What punishments do they use?</b>					
None	0.441	0.047	0.214	0.364	0.519
Blacklist	0.500	0.043	1.000	0.430	0.570
Fines	0.564	0.042	0.125	0.495	0.633
Imprisonment	0.484	0.040	0.692	0.419	0.549
<b>How are repeated violations punished?</b>					
Less penalty	0.472	0.042	0.501	0.403	0.541
Same	0.536	0.035	0.298	0.479	0.593
More penalty	0.482	0.036	0.618	0.424	0.541
<b>How are costs distributed?</b>					
Only rich countries pay	0.468	0.040	0.419	0.401	0.534
Proportional to current emissions	0.497	0.040	0.936	0.430	0.563
Proportional to history of emissions	0.571	0.047	0.127	0.495	0.648
Rich countries pay more than poor countries	0.481	0.044	0.660	0.408	0.553
<b>How often will the agreement be renegotiated?</b>					
One year	0.548	0.045	0.279	0.475	0.622
Five years	0.583	0.047	0.079	0.505	0.661
Twenty years	0.517	0.054	0.748	0.429	0.605
Fifty years	0.420	0.047	0.085	0.343	0.496
Never	0.436	0.046	0.162	0.360	0.511

```
# Changing country labels
```

```
arg$country <- 'Argentina'
```

```
bol$country <- 'Bolivia'
```

```
bra$country <- 'Brazil'
```

```
chi$country <- 'Chile'
```

```
col$country <- 'Colombia'
```

```
cri$country <- 'Costa Rica'
```

```
ecu$country <- 'Ecuador'
```

```
mex$country <- 'Mexico'
```

```
pan$country <- 'Panama'
```

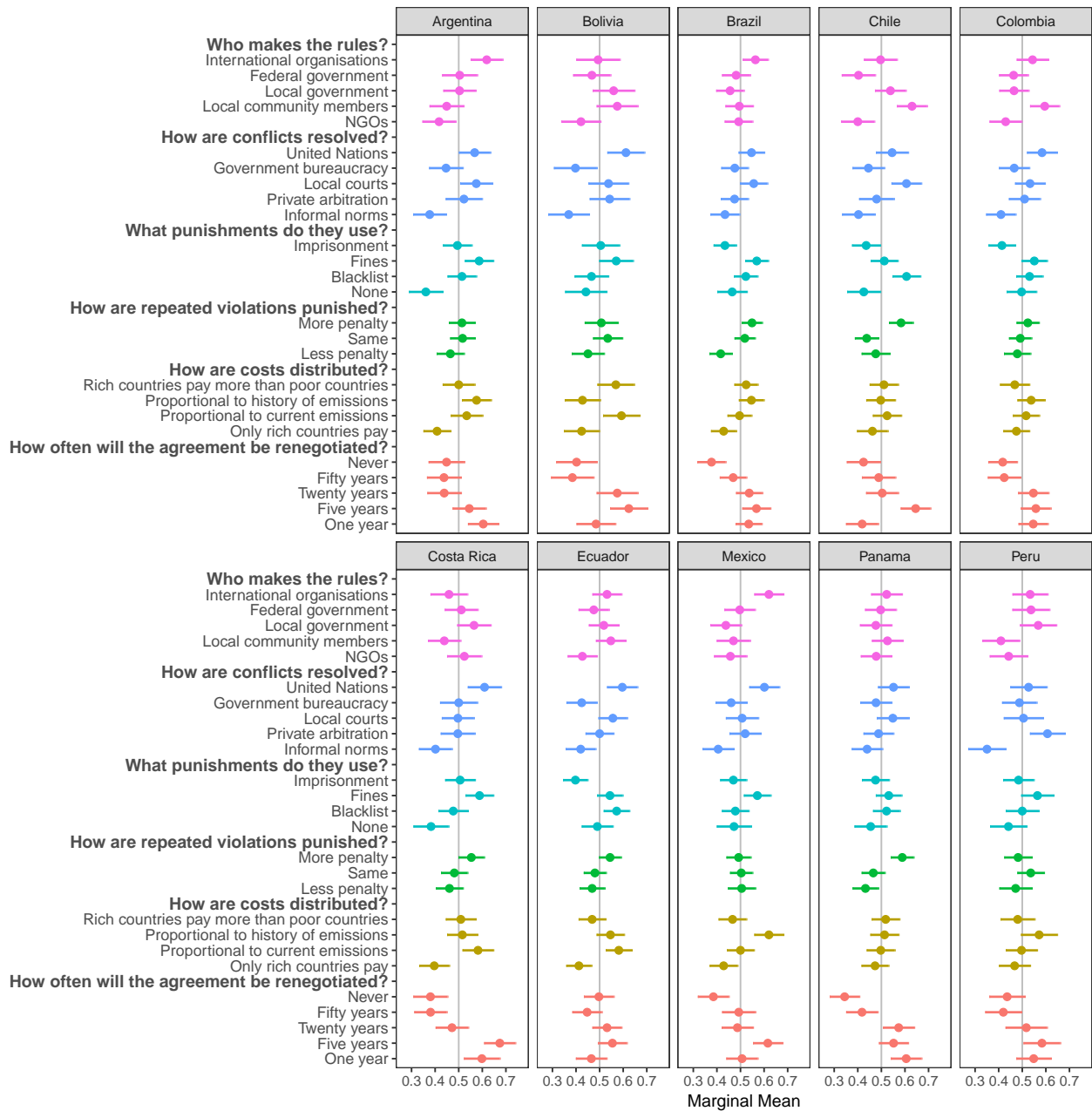
```
per$country <- 'Peru'
```

```
# Plot by country

p <- plot_mm(rbind(arg, bol, bra, chi, col,
                  cri, ecu, mex, pan, per),
            group = 'country', vline = 0.5, nr=10) +
  facet_wrap( ~ country, ncol=5)

ggsave(filename = 'MM_country.pdf',
        plot = p, width = 12, height = 12)
```

p



The code for Figure 4 of the paper follows below, with also the point estimates in a companion table.

Table 12: Marginal Means – Executive Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.392	0.034	0.001	0.336	0.447
Local community members	0.516	0.031	0.618	0.464	0.567
Local government	0.502	0.030	0.952	0.452	0.552
Federal government	0.529	0.032	0.365	0.476	0.582
International organisations	0.545	0.031	0.150	0.494	0.596
<b>How are conflicts resolved?</b>					
Informal norms	0.429	0.034	0.037	0.373	0.485
Private arbitration	0.508	0.032	0.797	0.455	0.561
Local courts	0.523	0.031	0.456	0.472	0.574
Government bureaucracy	0.462	0.031	0.214	0.411	0.512
United Nations	0.564	0.030	0.036	0.514	0.614
<b>What punishments do they use?</b>					
None	0.480	0.034	0.545	0.424	0.535
Blacklist	0.541	0.028	0.144	0.495	0.587
Fines	0.568	0.026	0.010	0.524	0.611
Imprisonment	0.406	0.026	0.000	0.363	0.450
<b>How are repeated violations punished?</b>					
Less penalty	0.447	0.026	0.039	0.405	0.489
Same	0.501	0.023	0.963	0.463	0.539
More penalty	0.549	0.025	0.050	0.508	0.590
<b>How are costs distributed?</b>					
Only rich countries pay	0.442	0.029	0.043	0.395	0.489
Proportional to current emissions	0.550	0.028	0.072	0.504	0.596
Proportional to history of emissions	0.524	0.028	0.396	0.478	0.570
Rich countries pay more than poor countries	0.480	0.029	0.491	0.433	0.527
<b>How often will the agreement be renegotiated?</b>					
One year	0.543	0.030	0.159	0.493	0.593
Five years	0.586	0.030	0.005	0.536	0.636
Twenty years	0.500	0.032	1.000	0.448	0.552
Fifty years	0.438	0.032	0.052	0.386	0.490
Never	0.414	0.033	0.009	0.359	0.468

```
## Elite type graphs and estimates
```

```
# Table for the Executive
```

```
res1 <- mm(subset(cj, groupOrigin=='Executive'),
```

```
fm, id = ~Response.ID, alpha = .1, h0=0.5)
```

```
table_mm(res1, capt = 'Marginal Means -- Executive Only')
```

Table 13: Marginal Means – Legislative Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.400	0.038	0.008	0.338	0.462
Local community members	0.519	0.039	0.637	0.454	0.583
Local government	0.549	0.039	0.209	0.485	0.613
Federal government	0.517	0.041	0.680	0.449	0.585
International organisations	0.524	0.042	0.558	0.456	0.593
<b>How are conflicts resolved?</b>					
Informal norms	0.420	0.037	0.032	0.358	0.481
Private arbitration	0.506	0.039	0.876	0.442	0.570
Local courts	0.547	0.039	0.235	0.482	0.611
Government bureaucracy	0.500	0.041	1.000	0.432	0.568
United Nations	0.539	0.042	0.353	0.470	0.608
<b>What punishments do they use?</b>					
None	0.438	0.042	0.143	0.368	0.508
Blacklist	0.546	0.034	0.172	0.491	0.602
Fines	0.581	0.033	0.013	0.528	0.635
Imprisonment	0.403	0.034	0.005	0.347	0.459
<b>How are repeated violations punished?</b>					
Less penalty	0.455	0.033	0.178	0.400	0.510
Same	0.521	0.029	0.481	0.472	0.569
More penalty	0.515	0.030	0.629	0.465	0.564
<b>How are costs distributed?</b>					
Only rich countries pay	0.411	0.033	0.007	0.357	0.465
Proportional to current emissions	0.475	0.035	0.481	0.417	0.533
Proportional to history of emissions	0.552	0.039	0.181	0.488	0.616
Rich countries pay more than poor countries	0.584	0.035	0.017	0.526	0.642
<b>How often will the agreement be renegotiated?</b>					
One year	0.533	0.040	0.416	0.466	0.599
Five years	0.557	0.038	0.139	0.494	0.620
Twenty years	0.526	0.040	0.519	0.460	0.592
Fifty years	0.485	0.039	0.695	0.420	0.549
Never	0.393	0.040	0.007	0.328	0.459

```
# Legislative
```

```
res2 <- mm(subset(cj, groupOrigin=='Legislative'),
```

```
fm, id = ~Response.ID, alpha = .1, h0=0.5)
```

```
table_mm(res2, capt = 'Marginal Means -- Legislative Only')
```

Table 14: Marginal Means – Civil Society Only

Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.500	0.023	1.000	0.463	0.537
Local community members	0.520	0.022	0.368	0.483	0.557
Local government	0.462	0.023	0.093	0.425	0.499
Federal government	0.478	0.022	0.309	0.441	0.514
International organisations	0.538	0.022	0.080	0.502	0.574
<b>How are conflicts resolved?</b>					
Informal norms	0.410	0.022	0.000	0.373	0.446
Private arbitration	0.503	0.023	0.892	0.466	0.540
Local courts	0.551	0.022	0.021	0.515	0.587
Government bureaucracy	0.430	0.022	0.002	0.393	0.467
United Nations	0.594	0.021	0.000	0.559	0.629
<b>What punishments do they use?</b>					
None	0.453	0.023	0.036	0.416	0.490
Blacklist	0.518	0.020	0.364	0.485	0.550
Fines	0.548	0.019	0.011	0.517	0.579
Imprisonment	0.467	0.019	0.089	0.436	0.499
<b>How are repeated violations punished?</b>					
Less penalty	0.469	0.019	0.112	0.437	0.501
Same	0.479	0.016	0.203	0.452	0.506
More penalty	0.545	0.017	0.007	0.517	0.572
<b>How are costs distributed?</b>					
Only rich countries pay	0.449	0.019	0.008	0.417	0.481
Proportional to current emissions	0.520	0.020	0.315	0.487	0.553
Proportional to history of emissions	0.560	0.020	0.003	0.527	0.593
Rich countries pay more than poor countries	0.476	0.020	0.230	0.443	0.509
<b>How often will the agreement be renegotiated?</b>					
One year	0.548	0.022	0.026	0.513	0.584
Five years	0.595	0.022	0.000	0.559	0.630
Twenty years	0.493	0.022	0.757	0.457	0.530
Fifty years	0.448	0.023	0.026	0.409	0.486
Never	0.404	0.022	0.000	0.368	0.441

```
# Civil Society
```

```
res3 <- mm(subset(cj, groupOrigin=='Civil Society'),
```

```
fm, id = ~Response.ID, alpha = .1, h0=0.5)
```

```
table_mm(res3, capt = 'Marginal Means -- Civil Society Only')
```



Table 15: Marginal Means – Academia Only

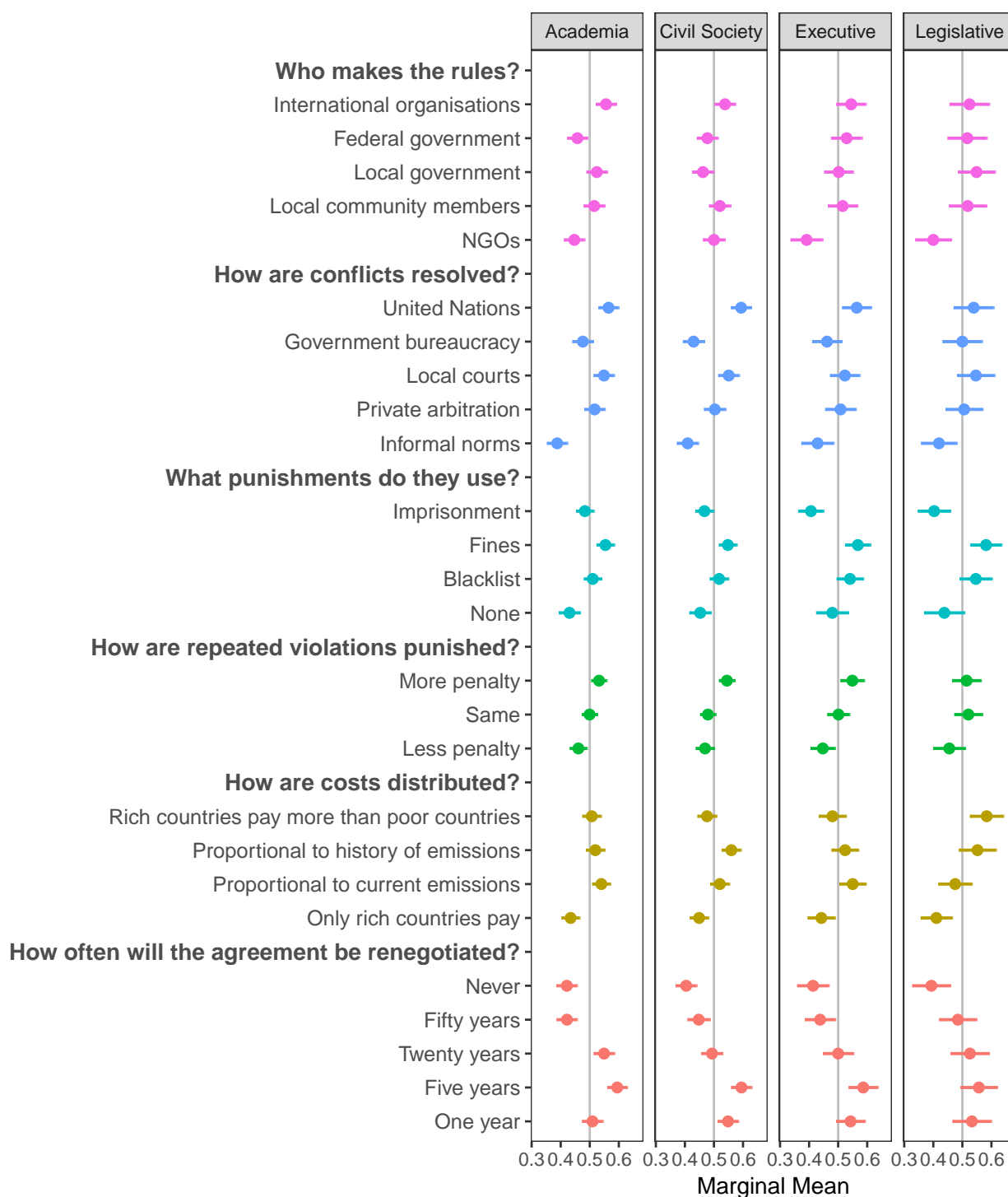
Feature	Estimate	Std.Error	P-Value	Lower	Upper
<b>Who makes the rules?</b>					
NGOs	0.447	0.022	0.014	0.411	0.483
Local community members	0.515	0.022	0.483	0.479	0.551
Local government	0.524	0.022	0.260	0.489	0.560
Federal government	0.458	0.021	0.048	0.423	0.493
International organisations	0.556	0.021	0.009	0.521	0.591
<b>How are conflicts resolved?</b>					
Informal norms	0.388	0.021	0.000	0.353	0.423
Private arbitration	0.517	0.022	0.437	0.481	0.552
Local courts	0.549	0.022	0.023	0.513	0.584
Government bureaucracy	0.476	0.022	0.275	0.440	0.512
United Nations	0.565	0.021	0.002	0.530	0.599
<b>What punishments do they use?</b>					
None	0.430	0.022	0.002	0.393	0.467
Blacklist	0.510	0.018	0.582	0.480	0.540
Fines	0.554	0.019	0.004	0.523	0.585
Imprisonment	0.483	0.019	0.371	0.453	0.514
<b>How are repeated violations punished?</b>					
Less penalty	0.461	0.018	0.030	0.431	0.490
Same	0.499	0.016	0.974	0.473	0.526
More penalty	0.532	0.016	0.048	0.505	0.559
<b>How are costs distributed?</b>					
Only rich countries pay	0.434	0.019	0.001	0.403	0.466
Proportional to current emissions	0.540	0.019	0.036	0.509	0.571
Proportional to history of emissions	0.519	0.020	0.327	0.487	0.551
Rich countries pay more than poor countries	0.507	0.020	0.723	0.475	0.539
<b>How often will the agreement be renegotiated?</b>					
One year	0.509	0.022	0.664	0.474	0.545
Five years	0.595	0.021	0.000	0.560	0.629
Twenty years	0.549	0.022	0.023	0.514	0.585
Fifty years	0.422	0.021	0.000	0.386	0.457
Never	0.421	0.022	0.000	0.386	0.456

```
# Academia
```

```
res4 <- mm(subset(cj, groupOrigin=='Academia'),
           fm, id = ~Response.ID, alpha = .1, h0=0.5)
table_mm(res4, capt = 'Marginal Means -- Academia Only')
```

```
# Changing labels
res1$MemberType <- 'Executive'
res2$MemberType <- 'Legislative'
res3$MemberType <- 'Civil Society'
res4$MemberType <- 'Academia'

# Plot by Elite Type
p <- plot_mm(rbind(res1, res2, res3, res4),
             group = 'MemberType', vline = 0.5, nr=4) +
  facet_wrap( ~ MemberType, ncol=4)
p
```



```
ggsave(filename = 'MM_member_type.pdf', plot = p,
        width = 8, height = 5)
```

## 6 AMCE (Average Marginal Component Effect) Estimator

This estimator fixes one category and look at changes from this baseline category. Below follows the plots for the main model and the country and elite type subsamples.

```

## Main model

rm(cj)

load('freire-mignozzetti-skarbek.RData')

# Set conjoint baselines

baselines <- list()

baselines$`How often will the agreement be renegotiated?` <- "One year"

baselines$`What punishments do they use?` <- 'None'

baselines$`How are conflicts resolved?` <- 'Government bureaucracy'

baselines$`How are costs distributed?` <- 'Rich countries pay more than poor countries'

attrs <-

  c("How are conflicts resolved?",
    "How are costs distributed?",
    "How are repeated violations punished?",
    "How often will the agreement be renegotiated?",
    "What punishments do they use?",
    "Who makes the rules?"
  )

results <-

  conjoint::amce(fm, data=cj, cluster=T,
    respondent.id="Response.ID",
    design=conjDesign,
    baselines = baselines, na.ignore = T)

```

Table 16: AMCE – Full Model

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.054	0.018	-0.083	-0.025
Private arbitration	0.043	0.018	0.014	0.072
Local courts	0.088	0.017	0.059	0.116
United Nations	0.111	0.019	0.081	0.142
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.071	0.016	-0.098	-0.044
Proportional to current emissions	0.018	0.016	-0.008	0.044
Proportional to history of emissions	0.029	0.017	0.002	0.056
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.058	0.015	0.034	0.082
More penalty	0.096	0.015	0.072	0.121
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.052	0.018	0.023	0.082
Twenty years	-0.012	0.018	-0.041	0.017
Fifty years	-0.093	0.018	-0.124	-0.063
Never	-0.132	0.018	-0.162	-0.102
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.102	0.017	0.074	0.13
Fines	0.132	0.016	0.105	0.158
Imprisonment	0.035	0.018	0.006	0.065
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.054	0.018	0.024	0.084
Local government	0.042	0.019	0.01	0.073
Federal government	0.031	0.019	0	0.062
International organisations	0.089	0.018	0.06	0.119

```
# Table AMCE -- Full Model
```

```
tableAMCE(results, capt = 'AMCE -- Full Model')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Full Model',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

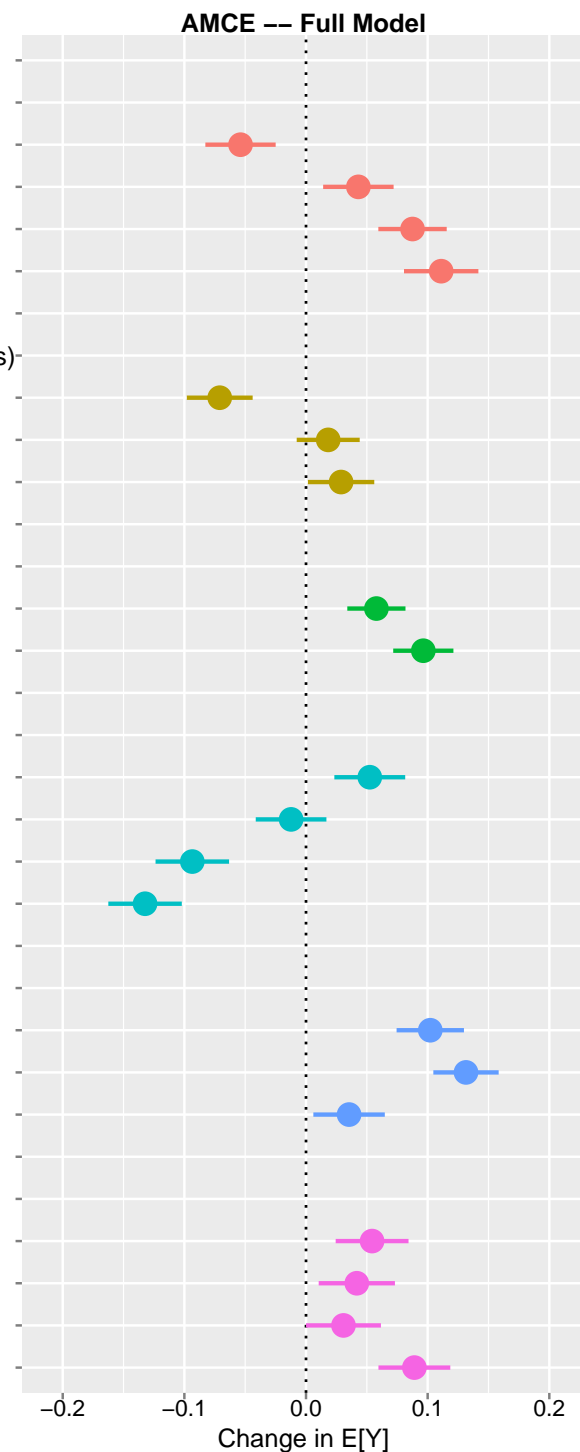


Table 17: AMCE – Argentina Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.09	0.061	-0.191	0.01
Private arbitration	0.055	0.068	-0.056	0.167
Local courts	0.103	0.062	0.001	0.204
United Nations	0.125	0.067	0.016	0.235
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.078	0.054	-0.166	0.01
Proportional to current emissions	0.031	0.056	-0.062	0.124
Proportional to history of emissions	0.09	0.048	0.011	0.169
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.095	0.046	0.018	0.171
More penalty	0.122	0.055	0.031	0.213
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	-0.061	0.06	-0.159	0.037
Twenty years	-0.132	0.068	-0.243	-0.021
Fifty years	-0.166	0.068	-0.278	-0.054
Never	-0.171	0.061	-0.271	-0.071
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.185	0.056	0.093	0.278
Fines	0.262	0.053	0.174	0.35
Imprisonment	0.154	0.062	0.052	0.256
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.044	0.053	-0.043	0.131
Local government	0.121	0.074	-0.001	0.242
Federal government	0.118	0.069	0.005	0.23
International organisations	0.198	0.06	0.1	0.296

```
## Country subsample
```

```
## Argentina
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE,
                        respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Argentina")
```

```
# AMCE -- Argentina Only
```

```
tableAMCE(results, capt = 'AMCE -- Argentina Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Argentina Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

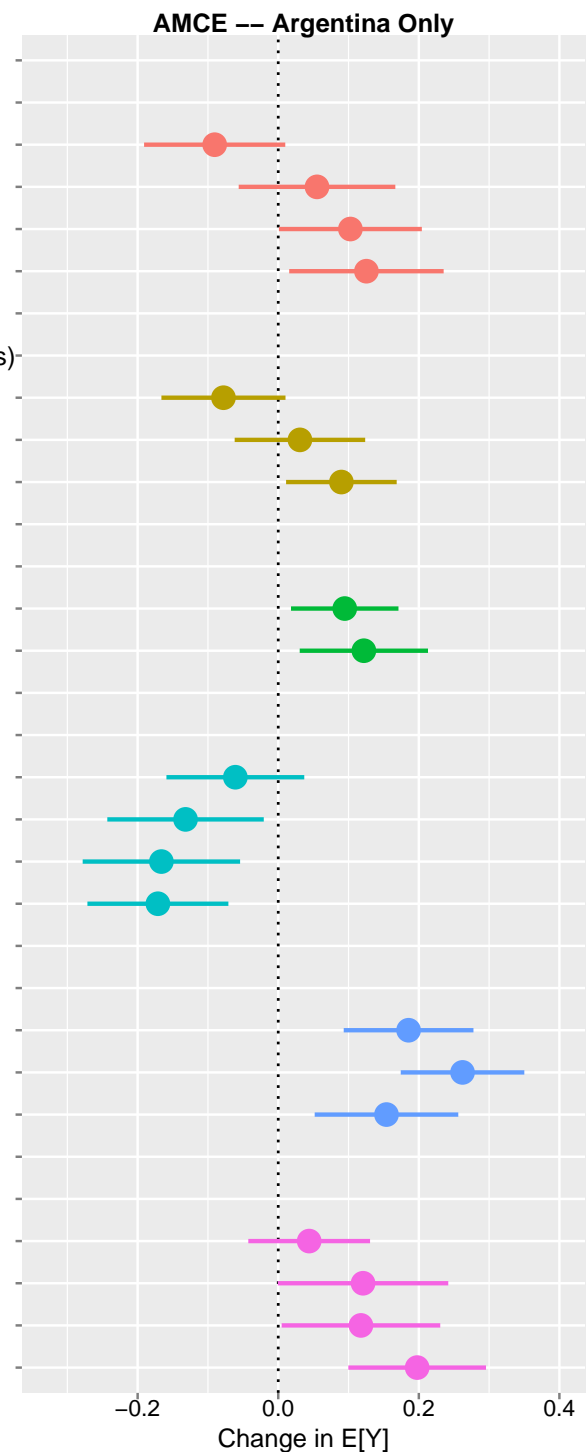




Table 18: AMCE – Bolivia Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.056	0.067	-0.167	0.054
Private arbitration	0.127	0.074	0.005	0.249
Local courts	0.093	0.057	-0.001	0.186
United Nations	0.17	0.08	0.038	0.302
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.142	0.068	-0.254	-0.029
Proportional to current emissions	0.012	0.066	-0.097	0.12
Proportional to history of emissions	-0.149	0.058	-0.245	-0.054
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.126	0.052	0.039	0.212
More penalty	0.117	0.061	0.016	0.218
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.125	0.072	0.006	0.244
Twenty years	0.075	0.077	-0.052	0.202
Fifty years	-0.116	0.065	-0.223	-0.008
Never	-0.114	0.078	-0.243	0.015
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.037	0.075	-0.086	0.16
Fines	0.155	0.056	0.063	0.247
Imprisonment	0.069	0.074	-0.052	0.19
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.155	0.069	0.041	0.269
Local government	0.094	0.086	-0.048	0.236
Federal government	0.033	0.071	-0.084	0.15
International organisations	0.094	0.067	-0.016	0.203

```
## Bolivia
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Bolivia")

# Table AMCE -- Full Model

tableAMCE(results, capt = 'AMCE -- Bolivia Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Bolivia Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

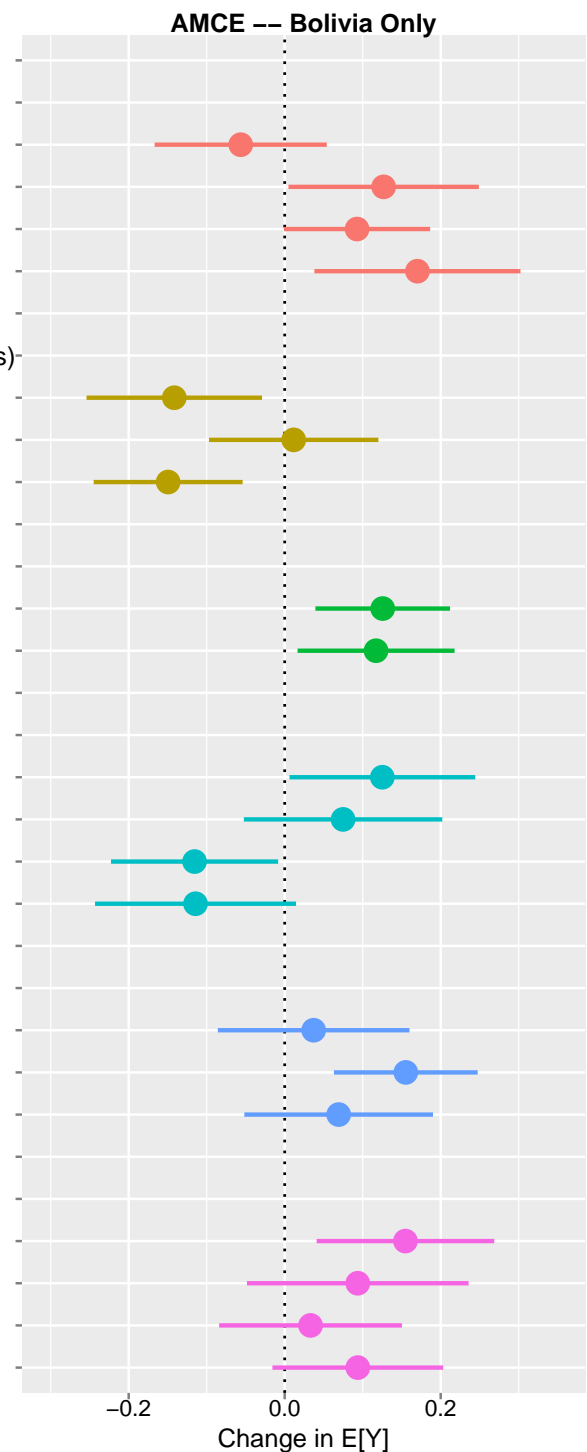


Table 19: AMCE – Brazil Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.03	0.054	-0.118	0.058
Private arbitration	0.021	0.044	-0.052	0.093
Local courts	0.091	0.05	0.009	0.174
United Nations	0.082	0.047	0.004	0.16
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.107	0.051	-0.191	-0.023
Proportional to current emissions	-0.022	0.05	-0.104	0.06
Proportional to history of emissions	0.021	0.049	-0.059	0.101
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.134	0.039	0.069	0.199
More penalty	0.169	0.044	0.097	0.241
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.025	0.044	-0.048	0.098
Twenty years	-0.012	0.047	-0.09	0.065
Fifty years	-0.087	0.057	-0.181	0.007
Never	-0.166	0.054	-0.256	-0.077
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.13	0.045	0.055	0.205
Fines	0.169	0.042	0.1	0.238
Imprisonment	0.032	0.055	-0.058	0.122
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.002	0.049	-0.08	0.083
Local government	-0.019	0.052	-0.104	0.067
Federal government	-0.001	0.051	-0.086	0.083
International organisations	0.086	0.048	0.008	0.164

```
## Brazil
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Brazil")

# Table AMCE -- Brazil Only

tableAMCE(results, capt = 'AMCE -- Brazil Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Brazil Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

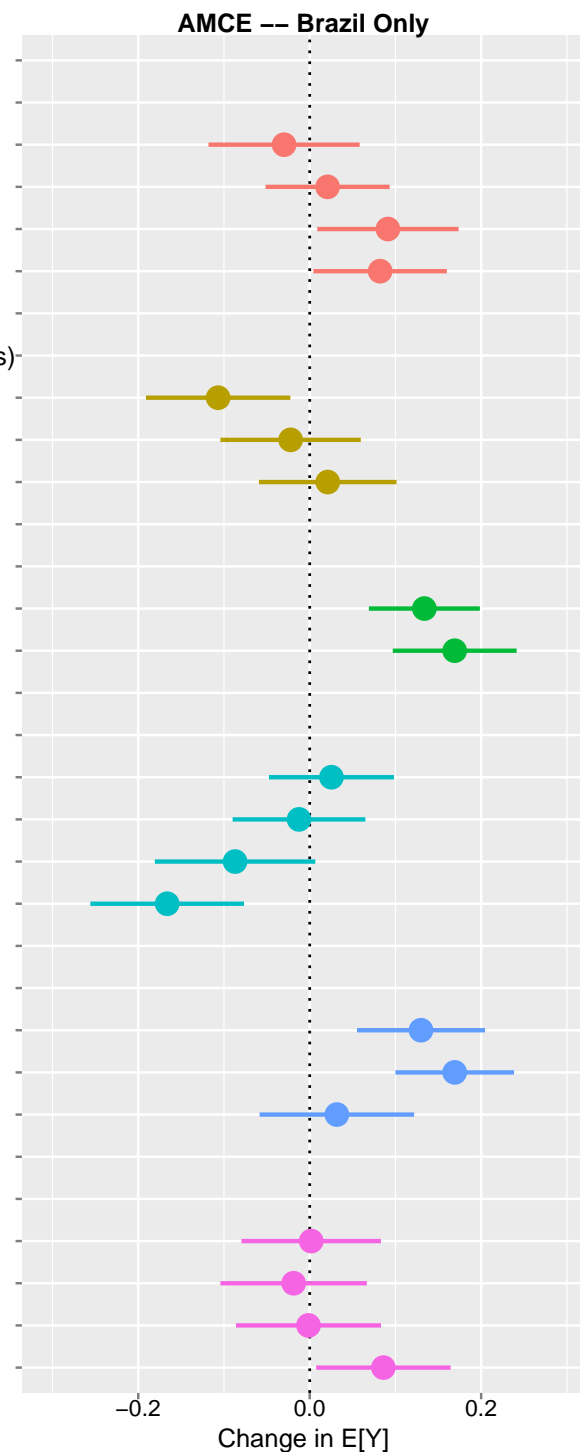


Table 20: AMCE – Chile Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.021	0.063	-0.125	0.083
Private arbitration	0.055	0.049	-0.026	0.136
Local courts	0.166	0.062	0.064	0.268
United Nations	0.089	0.07	-0.026	0.204
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	0.001	0.052	-0.084	0.086
Proportional to current emissions	0.054	0.045	-0.021	0.128
Proportional to history of emissions	0.003	0.054	-0.086	0.092
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	-0.022	0.045	-0.096	0.052
More penalty	0.106	0.05	0.024	0.188
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.207	0.053	0.12	0.294
Twenty years	0.083	0.049	0.003	0.163
Fifty years	0.057	0.066	-0.052	0.165
Never	-0.029	0.062	-0.13	0.072
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.193	0.049	0.112	0.274
Fines	0.103	0.044	0.03	0.176
Imprisonment	0.013	0.052	-0.073	0.099
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.195	0.07	0.08	0.311
Local government	0.118	0.063	0.014	0.223
Federal government	-0.001	0.066	-0.11	0.107
International organisations	0.068	0.071	-0.049	0.186

```
## Chile
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Chile")

# Table AMCE -- Chile Only

tableAMCE(results, capt = 'AMCE -- Chile Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Chile Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

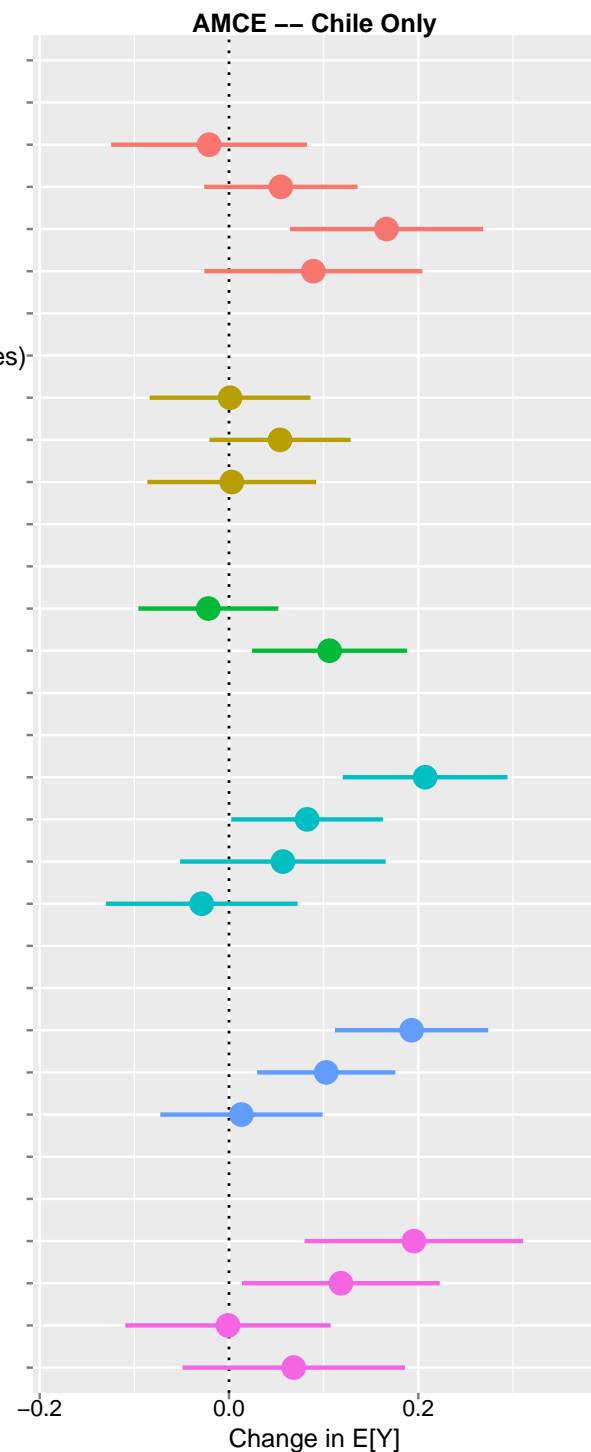


Table 21: AMCE – Colombia Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.054	0.05	-0.137	0.029
Private arbitration	0.057	0.053	-0.03	0.144
Local courts	0.078	0.051	-0.005	0.162
United Nations	0.132	0.054	0.043	0.221
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.017	0.053	-0.105	0.07
Proportional to current emissions	0.046	0.052	-0.04	0.131
Proportional to history of emissions	0.059	0.06	-0.039	0.158
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.014	0.046	-0.06	0.089
More penalty	0.051	0.044	-0.021	0.124
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.001	0.046	-0.075	0.077
Twenty years	0.005	0.052	-0.081	0.091
Fifty years	-0.126	0.051	-0.21	-0.041
Never	-0.122	0.048	-0.201	-0.043
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.037	0.059	-0.059	0.133
Fines	0.068	0.052	-0.019	0.154
Imprisonment	-0.072	0.053	-0.159	0.015
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.154	0.063	0.05	0.257
Local government	0.02	0.06	-0.079	0.12
Federal government	0.023	0.059	-0.074	0.12
International organisations	0.117	0.069	0.003	0.23

```
## Colombia
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE,
                        respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Colombia")

# Table AMCE -- Colombia Only

tableAMCE(results, capt = 'AMCE -- Colombia Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Colombia Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

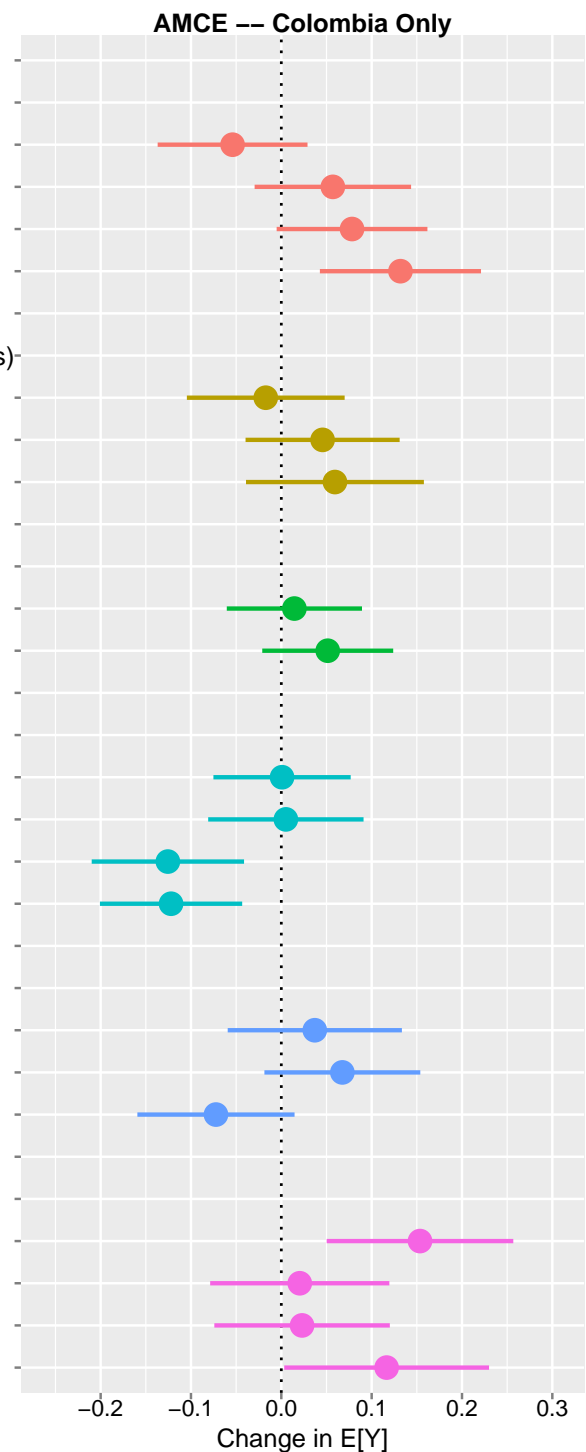




Table 22: AMCE – Costa Rica Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.085	0.066	-0.193	0.023
Private arbitration	-0.018	0.064	-0.123	0.087
Local courts	0.013	0.066	-0.095	0.121
United Nations	0.094	0.071	-0.022	0.21
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.106	0.06	-0.205	-0.007
Proportional to current emissions	0.058	0.054	-0.031	0.146
Proportional to history of emissions	0.015	0.066	-0.094	0.123
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.083	0.044	0.01	0.155
More penalty	0.135	0.042	0.066	0.204
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.108	0.063	0.004	0.211
Twenty years	-0.115	0.063	-0.219	-0.011
Fifty years	-0.183	0.06	-0.282	-0.084
Never	-0.201	0.061	-0.303	-0.1
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.139	0.051	0.055	0.223
Fines	0.245	0.051	0.161	0.328
Imprisonment	0.167	0.057	0.074	0.261
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	-0.113	0.056	-0.205	-0.022
Local government	0.054	0.054	-0.035	0.144
Federal government	-0.032	0.063	-0.136	0.071
International organisations	-0.075	0.064	-0.181	0.031

```
## Costa Rica
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE,
                        respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Costa Rica")

# Table AMCE -- Costa Rica Only

tableAMCE(results, capt = 'AMCE -- Costa Rica Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Costa Rica Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

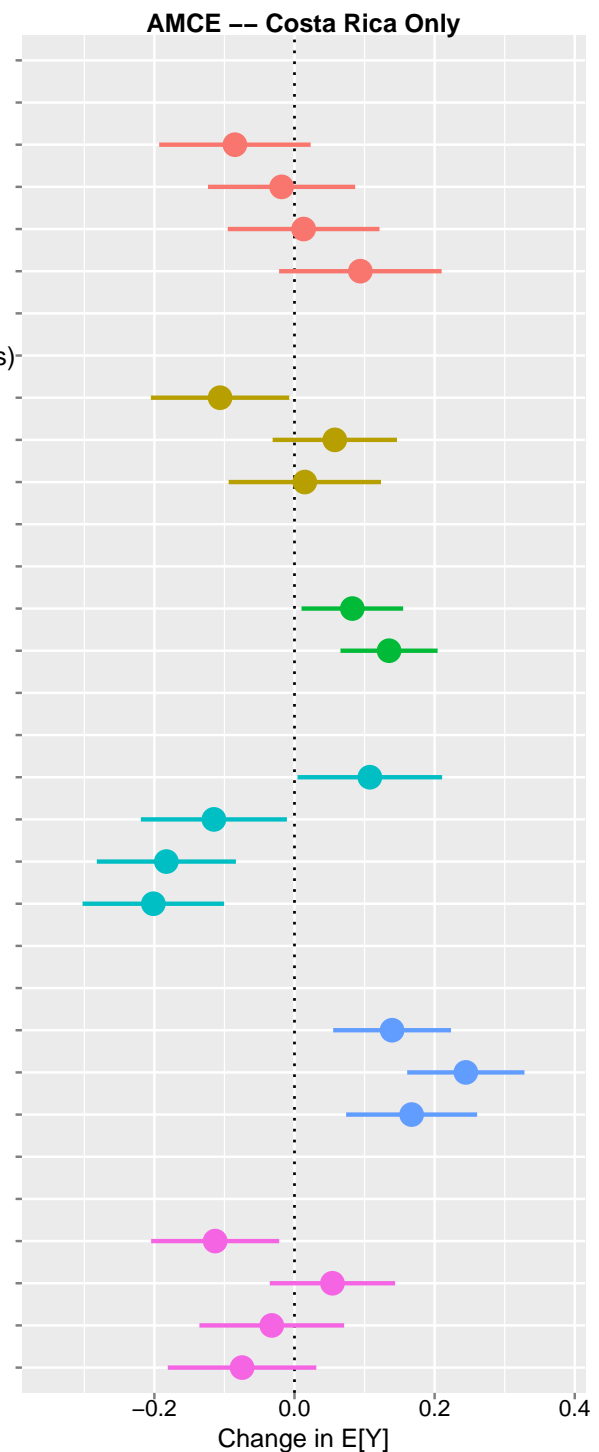


Table 23: AMCE – Ecuador Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.007	0.055	-0.098	0.084
Private arbitration	0.068	0.052	-0.018	0.154
Local courts	0.122	0.049	0.042	0.203
United Nations	0.151	0.058	0.057	0.246
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.044	0.054	-0.134	0.045
Proportional to current emissions	0.114	0.05	0.032	0.196
Proportional to history of emissions	0.085	0.055	-0.005	0.175
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.01	0.052	-0.075	0.095
More penalty	0.085	0.05	0.003	0.167
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.085	0.063	-0.018	0.188
Twenty years	0.076	0.05	-0.006	0.159
Fifty years	-0.017	0.05	-0.1	0.065
Never	0.036	0.066	-0.073	0.144
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.079	0.049	-0.002	0.16
Fines	0.062	0.055	-0.029	0.153
Imprisonment	-0.087	0.055	-0.178	0.003
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.1	0.056	0.008	0.192
Local government	0.08	0.06	-0.019	0.178
Federal government	0.037	0.054	-0.051	0.125
International organisations	0.088	0.049	0.008	0.168

```
## Ecuador
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Ecuador")

# Table AMCE -- Ecuador Only

tableAMCE(results, capt = 'AMCE -- Ecuador Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Ecuador Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

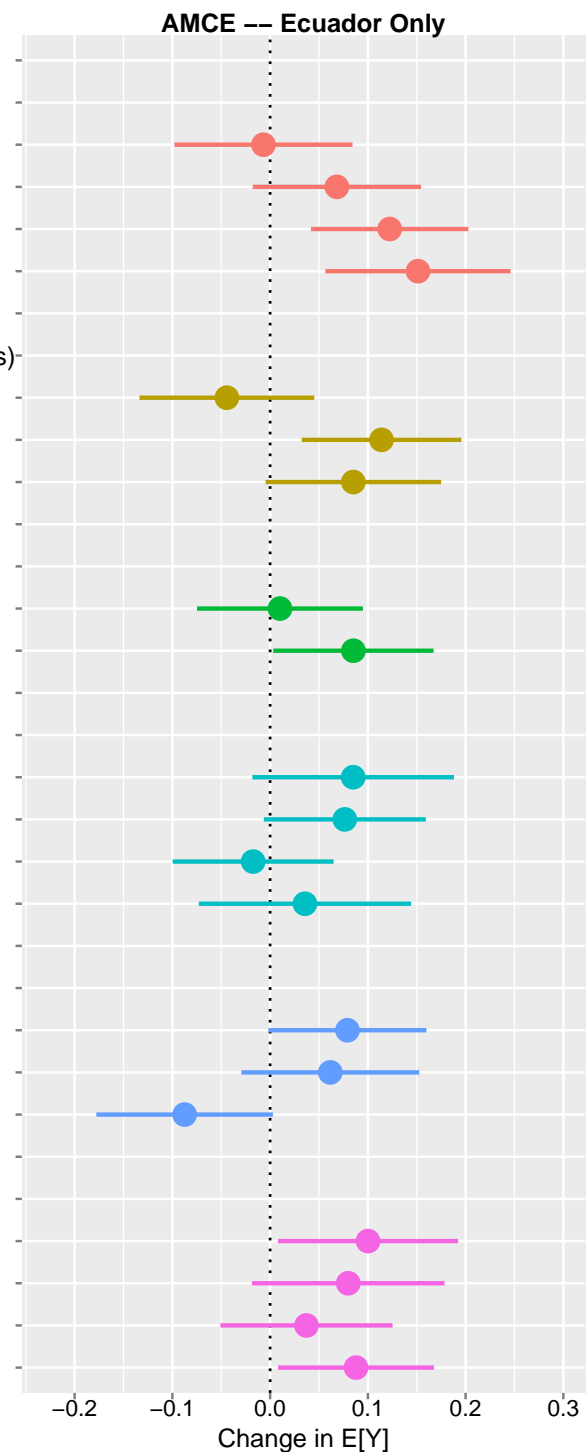


Table 24: AMCE – Mexico Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.048	0.057	-0.142	0.047
Private arbitration	0.066	0.054	-0.023	0.154
Local courts	0.036	0.056	-0.056	0.127
United Nations	0.137	0.063	0.033	0.242
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.059	0.053	-0.146	0.028
Proportional to current emissions	0.039	0.052	-0.046	0.123
Proportional to history of emissions	0.132	0.057	0.038	0.227
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.017	0.055	-0.073	0.107
More penalty	0.011	0.052	-0.074	0.096
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.107	0.059	0.011	0.204
Twenty years	-0.023	0.06	-0.122	0.077
Fifty years	-0.032	0.058	-0.127	0.063
Never	-0.137	0.062	-0.24	-0.035
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.033	0.054	-0.056	0.122
Fines	0.109	0.056	0.018	0.201
Imprisonment	-0.016	0.053	-0.103	0.071
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0	0.062	-0.102	0.101
Local government	-0.026	0.07	-0.14	0.089
Federal government	0.038	0.068	-0.074	0.15
International organisations	0.174	0.053	0.088	0.261

```
## Mexico
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Mexico")

# Table AMCE -- Full Model

tableAMCE(results, capt = 'AMCE -- Mexico Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Mexico Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

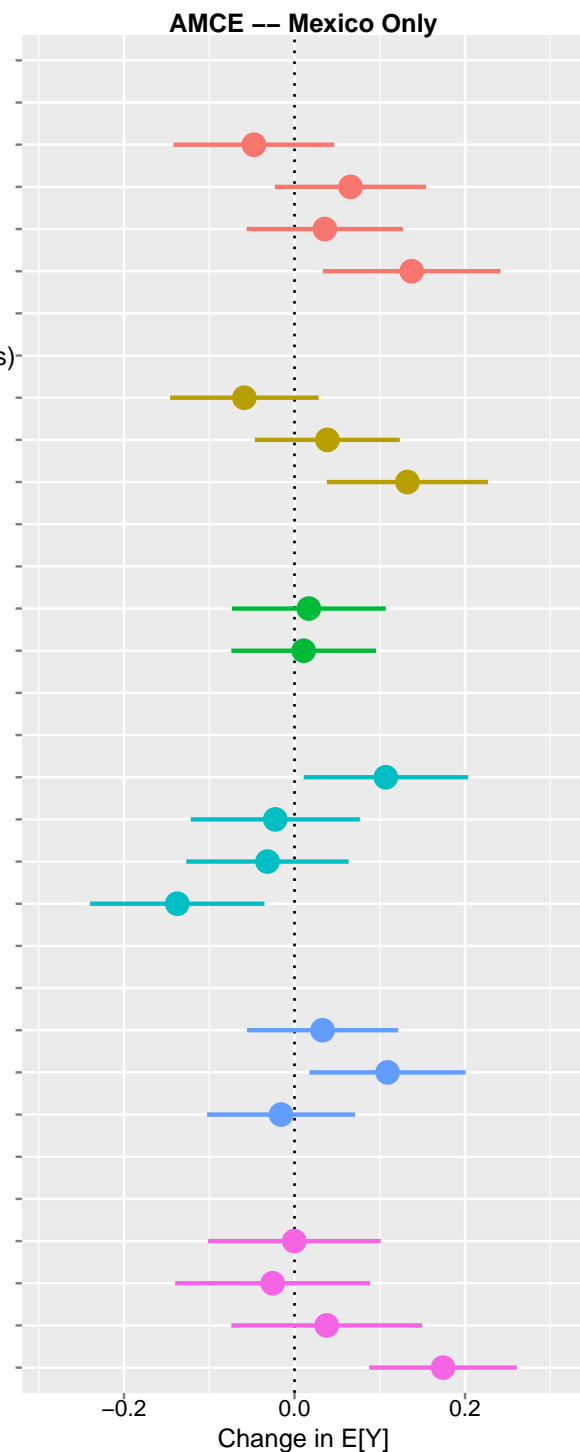


Table 25: AMCE – Panama Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.049	0.062	-0.151	0.054
Private arbitration	0.013	0.065	-0.095	0.12
Local courts	0.079	0.057	-0.014	0.173
United Nations	0.082	0.065	-0.026	0.189
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.085	0.055	-0.175	0.006
Proportional to current emissions	-0.043	0.05	-0.124	0.039
Proportional to history of emissions	-0.038	0.051	-0.122	0.046
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.065	0.05	-0.017	0.147
More penalty	0.189	0.052	0.104	0.274
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	-0.067	0.058	-0.162	0.028
Twenty years	-0.045	0.064	-0.151	0.06
Fifty years	-0.196	0.064	-0.301	-0.092
Never	-0.269	0.057	-0.363	-0.175
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.112	0.057	0.018	0.205
Fines	0.129	0.051	0.045	0.214
Imprisonment	0.072	0.061	-0.028	0.172
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.037	0.058	-0.058	0.132
Local government	-0.003	0.054	-0.092	0.086
Federal government	-0.002	0.057	-0.096	0.092
International organisations	0.032	0.058	-0.064	0.128

```
## Panama
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Panama")

# Table AMCE -- Panama Only

tableAMCE(results, capt = 'AMCE -- Panama Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Panama Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

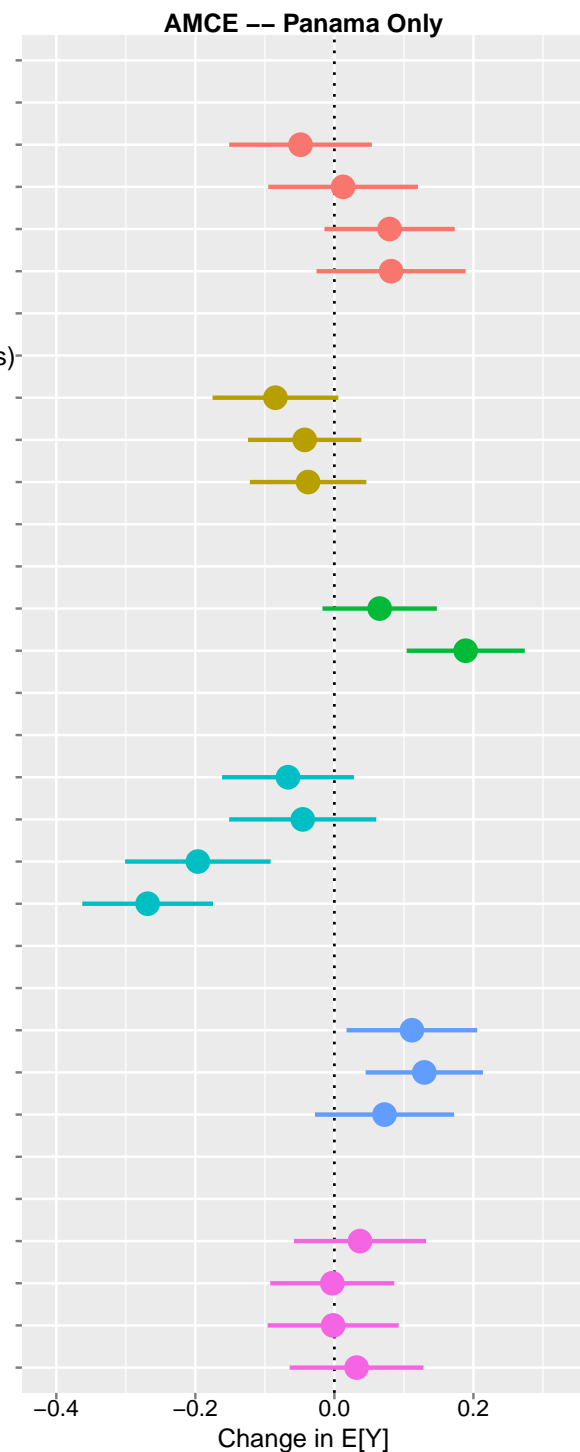




Table 26: AMCE – Peru Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.121	0.065	-0.228	-0.014
Private arbitration	0.123	0.069	0.01	0.236
Local courts	0.033	0.065	-0.074	0.14
United Nations	0.05	0.066	-0.058	0.158
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.026	0.047	-0.103	0.052
Proportional to current emissions	0.013	0.055	-0.077	0.103
Proportional to history of emissions	0.086	0.057	-0.008	0.18
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.079	0.052	-0.006	0.164
More penalty	0.044	0.05	-0.037	0.126
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.014	0.071	-0.104	0.131
Twenty years	-0.023	0.077	-0.15	0.104
Fifty years	-0.12	0.07	-0.235	-0.006
Never	-0.12	0.062	-0.222	-0.018
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.093	0.075	-0.03	0.215
Fines	0.128	0.069	0.014	0.243
Imprisonment	0.075	0.071	-0.042	0.191
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	-0.02	0.069	-0.134	0.093
Local government	0.128	0.077	0.002	0.254
Federal government	0.099	0.063	-0.004	0.202
International organisations	0.103	0.069	-0.011	0.217

```
## Peru
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$countryOrigin=="Peru")

# Table AMCE -- Peru Only

tableAMCE(results, capt = 'AMCE -- Peru Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Peru Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

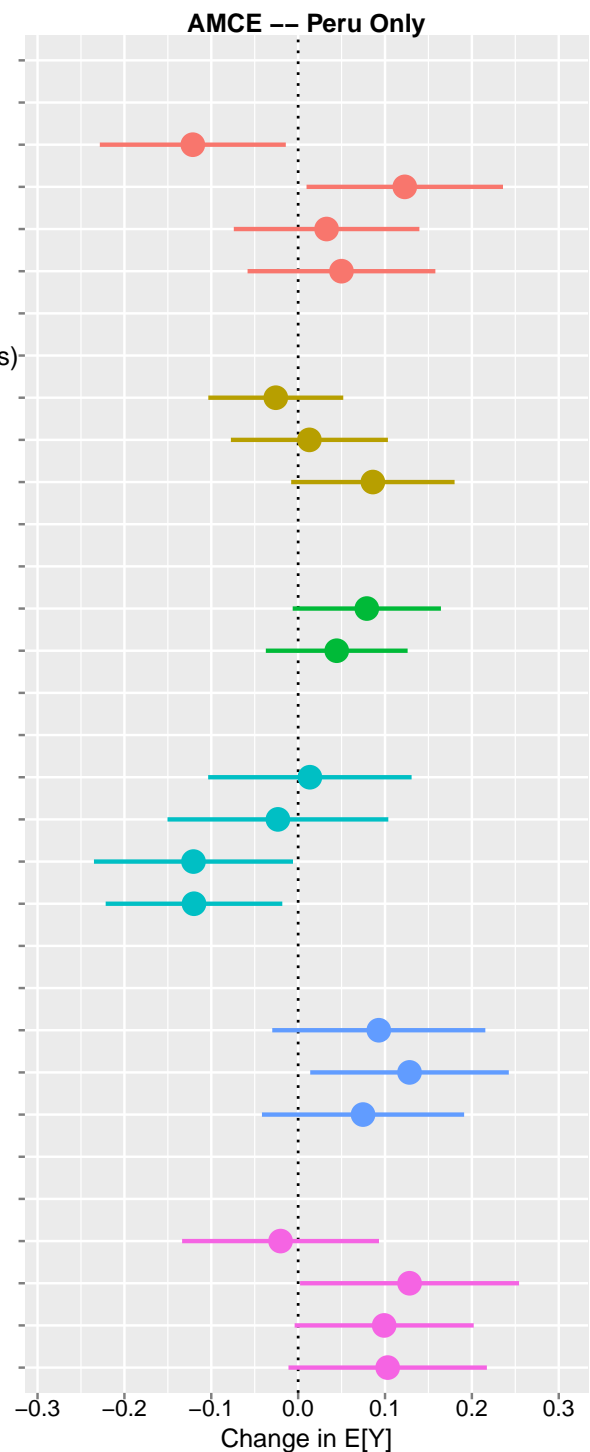


Table 27: AMCE – Executive Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.034	0.05	-0.116	0.049
Private arbitration	0.057	0.039	-0.008	0.121
Local courts	0.067	0.043	-0.003	0.137
United Nations	0.096	0.047	0.019	0.174
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.036	0.039	-0.101	0.028
Proportional to current emissions	0.08	0.04	0.014	0.146
Proportional to history of emissions	0.055	0.044	-0.017	0.127
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.081	0.038	0.018	0.144
More penalty	0.125	0.039	0.061	0.188
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.06	0.049	-0.02	0.14
Twenty years	-0.023	0.048	-0.102	0.056
Fifty years	-0.096	0.045	-0.171	-0.022
Never	-0.119	0.045	-0.193	-0.045
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.103	0.037	0.043	0.163
Fines	0.125	0.044	0.053	0.197
Imprisonment	-0.054	0.04	-0.12	0.013
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.132	0.046	0.056	0.207
Local government	0.129	0.056	0.037	0.222
Federal government	0.159	0.051	0.076	0.243
International organisations	0.181	0.047	0.104	0.258

```
## Elite Subsample
```

```
# Executive
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE,
                        respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$groupOrigin=='Executive')
```

```
# Table AMCE -- Executive Only
```

```
tableAMCE(results, capt = 'AMCE -- Executive Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Executive Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

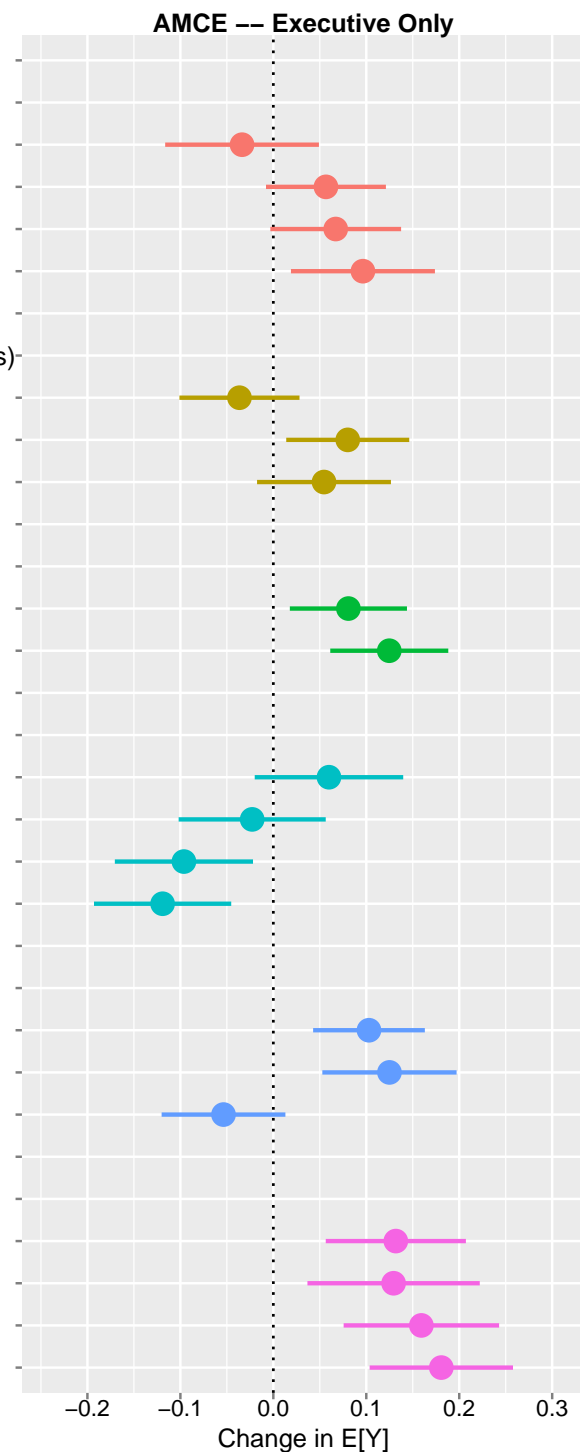


Table 28: AMCE – Legislative Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.069	0.054	-0.157	0.02
Private arbitration	0.018	0.065	-0.09	0.126
Local courts	0.044	0.062	-0.058	0.147
United Nations	0.065	0.06	-0.034	0.164
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.158	0.052	-0.243	-0.073
Proportional to current emissions	-0.08	0.052	-0.166	0.005
Proportional to history of emissions	-0.019	0.049	-0.099	0.062
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.074	0.044	0.002	0.147
More penalty	0.071	0.044	-0.001	0.143
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.003	0.059	-0.095	0.101
Twenty years	0.002	0.058	-0.093	0.097
Fifty years	-0.043	0.061	-0.143	0.057
Never	-0.129	0.066	-0.237	-0.02
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.113	0.055	0.022	0.204
Fines	0.145	0.054	0.056	0.233
Imprisonment	-0.021	0.058	-0.116	0.075
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.112	0.056	0.02	0.204
Local government	0.139	0.061	0.039	0.239
Federal government	0.116	0.064	0.011	0.22
International organisations	0.114	0.063	0.011	0.218

```
## Legislative
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$groupOrigin=='Legislative')

# Table AMCE -- Legislative Only

tableAMCE(results, capt = 'AMCE -- Legislative Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Legislative Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

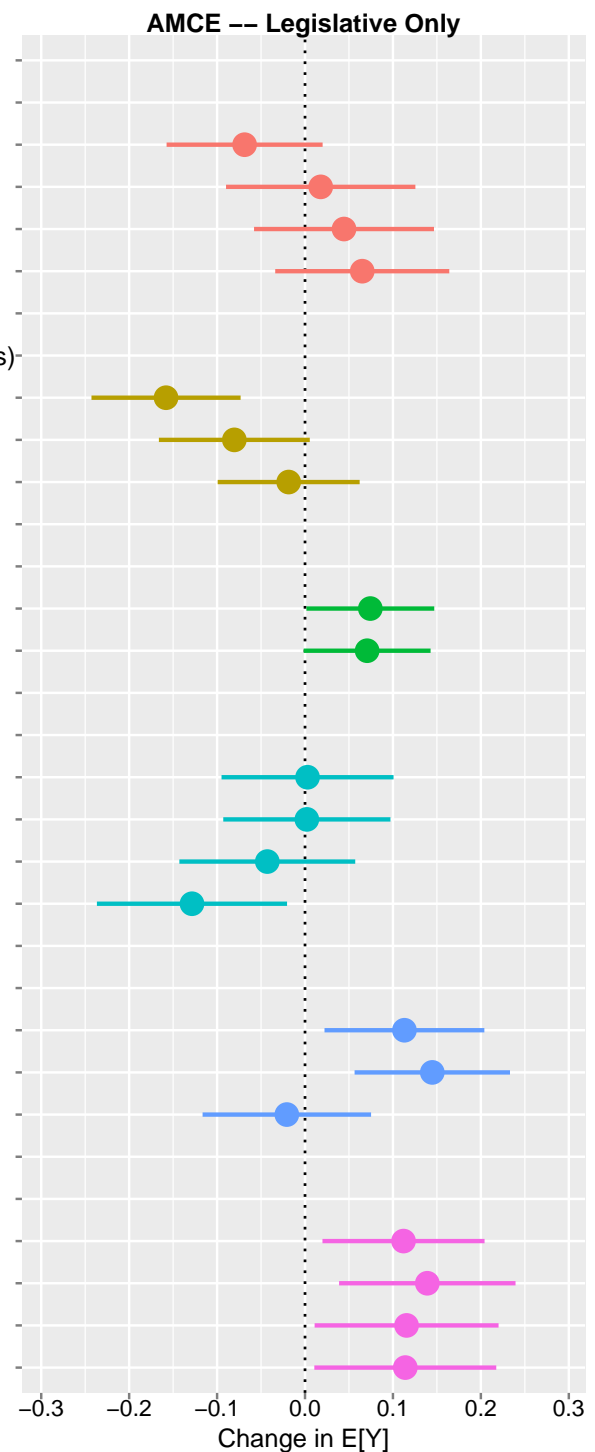


Table 29: AMCE – Civil Society Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.02	0.031	-0.071	0.032
Private arbitration	0.073	0.032	0.021	0.126
Local courts	0.127	0.031	0.076	0.179
United Nations	0.166	0.031	0.115	0.218
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.043	0.031	-0.093	0.007
Proportional to current emissions	0.038	0.03	-0.011	0.087
Proportional to history of emissions	0.069	0.029	0.022	0.117
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.035	0.025	-0.006	0.077
More penalty	0.101	0.026	0.059	0.143
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.044	0.031	-0.007	0.095
Twenty years	-0.053	0.031	-0.103	-0.003
Fifty years	-0.102	0.034	-0.158	-0.047
Never	-0.147	0.034	-0.203	-0.09
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.097	0.03	0.047	0.146
Fines	0.13	0.028	0.085	0.176
Imprisonment	0.049	0.03	-0.002	0.099
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.011	0.033	-0.043	0.066
Local government	-0.034	0.034	-0.09	0.022
Federal government	-0.026	0.031	-0.077	0.025
International organisations	0.04	0.03	-0.009	0.089

```
## Civil society
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE,
                        respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = (cj$groupOrigin=='Civil Society'))

# Table AMCE -- Civil Society Only

tableAMCE(results, capt = 'AMCE -- Civil Society Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Civil Society Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations

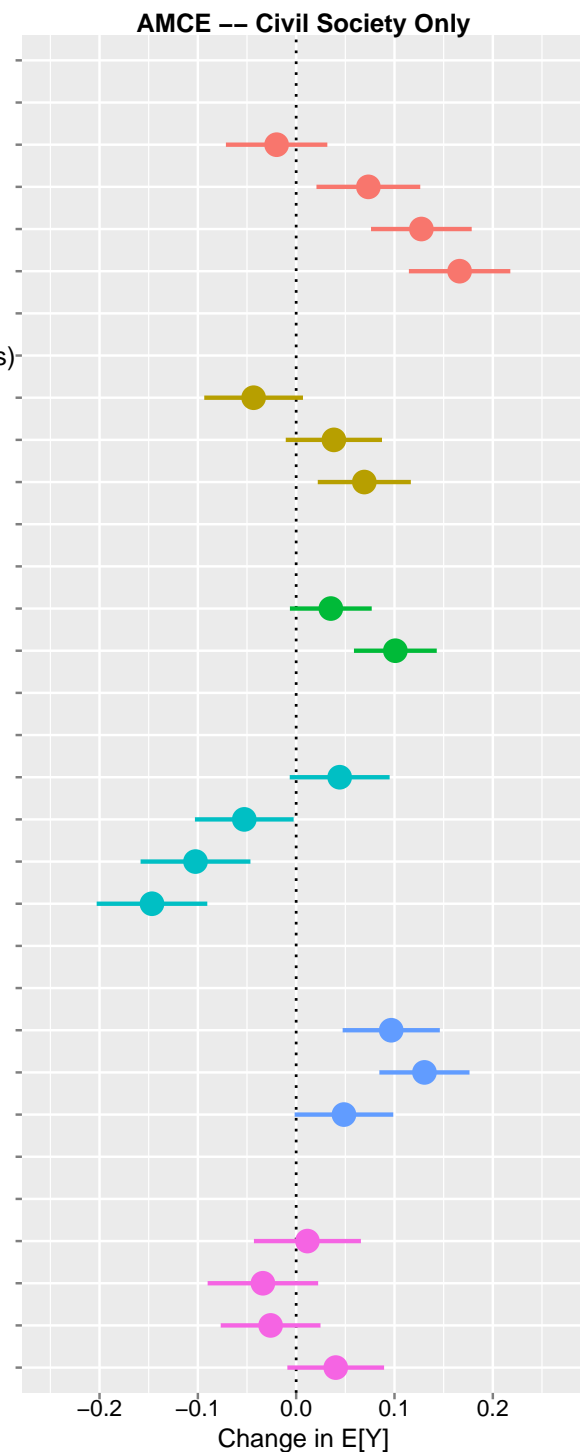




Table 30: AMCE – Academia Only

Feature	Estimate	Std.Error	Lower	Upper
<b>How are conflicts resolved?</b>				
(Baseline = Government bureaucracy)				
Informal norms	-0.089	0.031	-0.139	-0.039
Private arbitration	0.053	0.03	0.003	0.103
Local courts	0.082	0.028	0.036	0.129
United Nations	0.09	0.034	0.034	0.146
<b>How are costs distributed?</b>				
(Baseline = Rich countries pay more than poor countries)				
Only rich countries pay	-0.07	0.029	-0.117	-0.023
Proportional to current emissions	0.029	0.025	-0.012	0.07
Proportional to history of emissions	0.013	0.03	-0.037	0.062
<b>How are repeated violations punished?</b>				
(Baseline = Less penalty)				
Same	0.068	0.025	0.027	0.11
More penalty	0.112	0.027	0.067	0.156
<b>How often will the agreement be renegotiated?</b>				
(Baseline = One year)				
Five years	0.075	0.03	0.026	0.124
Twenty years	0.039	0.03	-0.009	0.088
Fifty years	-0.092	0.032	-0.145	-0.039
Never	-0.101	0.03	-0.15	-0.052
<b>What punishments do they use?</b>				
(Baseline = None)				
Blacklist	0.121	0.031	0.07	0.172
Fines	0.158	0.028	0.112	0.204
Imprisonment	0.087	0.032	0.034	0.14
<b>Who makes the rules?</b>				
(Baseline = NGOs)				
Local community members	0.055	0.031	0.004	0.105
Local government	0.062	0.03	0.012	0.111
Federal government	0	0.031	-0.051	0.051
International organisations	0.105	0.032	0.052	0.158

```
## Academia Only
```

```
results <- cjoint::amce(fm, data=cj, cluster=TRUE, respondent.id="Response.ID",
                        design=conjDesign, baselines = baselines,
                        subset = cj$groupOrigin=='Academia')

# Table AMCE -- Full Model

tableAMCE(results, capt = 'AMCE -- Academia Only')
```

```
plot(results, ci=0.9, point.size = .8, dodge.size = 1,
      text.size = 10, main = 'AMCE -- Academia Only',
      attribute.names = attrs)
```

How are conflicts resolved?:

(Baseline = Government bureaucracy)

Informal norms

Private arbitration

Local courts

United Nations

How are costs distributed?:

(Baseline = Rich countries pay more than poor countries)

Only rich countries pay

Proportional to current emissions

Proportional to history of emissions

How are repeated violations punished?:

(Baseline = Less penalty)

Same

More penalty

How often will the agreement be renegotiated?:

(Baseline = One year)

Five years

Twenty years

Fifty years

Never

What punishments do they use?:

(Baseline = None)

Blacklist

Fines

Imprisonment

Who makes the rules?:

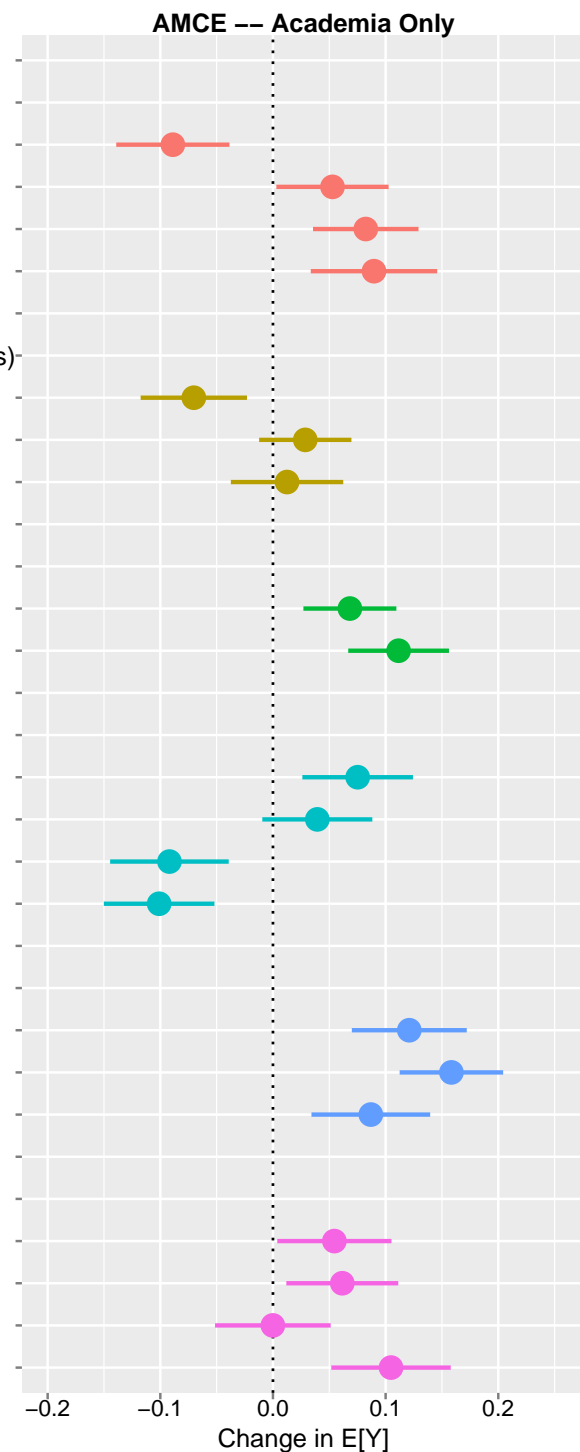
(Baseline = NGOs)

Local community members

Local government

Federal government

International organizations



## Bibliography

Bansak, K., Hainmueller, J., and Hangartner, D. (2016). How economic, humanitarian, and religious concerns shape european attitudes toward asylum seekers. *Science*, 354(6309):217–222. Cited on page 2.

Hainmueller, J., Hopkins, D. J., and Yamamoto, T. (2014). Causal Inference in Conjoint Analysis: Understanding Multidimensional Choices via Stated Preference Experiments. *Political Analysis*, 22(1):1–30. Cited on page 2.