The Consequences of Religious Strictness for Political Participation

Online Appendix

This online appendix reports several robustness checks and alternative specifications to models from the article. The results in every table reported in this document were computed using the `mice` library in R 3.0.0. Results are computed over 1196 observations from the first wave of the Portraits of American Life Study (Emerson and Sikkink, 2006), which is described in more detail in Emerson, Sikkink and James (2010). The appendix proceeds as follows:

Section 1 re-reports the results from the print article for the sake of comparison, reporting all four equations in the recursive system. The treatment variable in these original results capture the degree to which an individual's church has imposed major costs on the individual's life though strictness.

Section 2 reports the results when using several alternate measures of the treatment variable, again reporting all four equations in the recursive system for each alternate measure.

Subsection 2.1 uses an exogenous (rather than self-reported) measure of strictness using expert evaluations reported by Iannaccone (1994). Iannaccone took a survey of sixteen religious scholars, asking them to rate the degree to which eighteen Christian denominations required distinctive behavior of their members on a seven-point scale. He took the average of their evaluations as a measure of strictness for each denomination Iannaccone (1994, 1191). We classified each of the denominations in Iannaccone's data into groups that correspond with religious identification categories in the 2006 survey and averaged the denominations' distinctiveness scores within each category. A respondent in a given category received this average score as his or her value of religious strictness. Specifically, we have expert scores for Catholics and Mormons, who are identified exactly in the data. Protestants who identify as "mainline" received the average score among Lutheran (ELCA), Presbyterian, American Baptist, Quakers, Reformed and Methodist. "Liberal" Protestants received the average score among Unitarian, Disciples of Christ, Episcopalian and United Church of Christ. "Pentacostal" Protestants received the score for Assemblies of God. "Fundamentalist" Protestants received the score for Lutheran (MO Synod). "Evangelical" Protestants received the average score between Southern Baptist, Seventh Day Adventist and Nazarene.

Subsection 2.2 uses self-reported religious liberalism-conservatism on a seven-point scale (with higher values meaning more liberal).

Subsection 2.3 uses a simple indicator coded 1 if the respondent is a member of an evangelical church, and 0 otherwise.

Section 3 reports the results of a model of Protestants only ($N = 574$), with a categorical variable based on which religious tradition the respondent identifies with. In each model, "evangelical" is the reference group all others are compared to.

Section 4 reports the results—using the original individualized strictness scale—of whether the individual separately participated in each of the nine acts of political participation. These results are reported to evaluate whether the aggregated count measure of participation reported in the print article mischaracterizes the role religious strictness may have on specific acts of participation. For all of the robustness checks reported in this document, we conclude that the findings reported in the print article are fair and representative of the results that would be found under a variety of researcher assumptions.

1 Original Results Using Individualized Measure of Religious Strictness

Table 1: Linear Model of Individual's Civic Engagement as a Function of Individual's Religious Strictness

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	0.0212	0.0755	0.2807	803.0846	0.7790
Individual strictness	0.1721	0.0472	3.6441	10.8149	0.0040
Age	-0.0033	0.0339	-0.0959	344.2472	0.9237
Age squared	-0.0250	0.0277	-0.9004	934.5311	0.3681
Education	0.1623	0.0327	4.9560	512.3602	0.0000
Male	0.0025	0.0588	0.0417	459.7330	0.9667
Black	0.1042	0.0968	1.0762	1096.6518	0.2821
Hispanic	-0.1194	0.0751	-1.5905	835.4277	0.1121
Other race	0.0892	0.1118	0.7982	232.6120	0.4256
Partisan strength	0.0053	0.0306	0.1747	514.5106	0.8614
Recruitment to participate	0.1323	0.0283	4.6730	831.4151	0.0000
South	0.0583	0.0610	0.9560	686.5998	0.3394
Homeowner	0.0306	0.0643	0.4754	865.1600	0.6346
Unemployed	0.0014	0.1225	0.0115	998.4652	0.9908

Table 2: Linear Model of Individual's Income as a Function of Individual's Religious Strictness

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2497	0.0607	-4.1142	502.9659	0.0000
Individual strictness	-0.1004	0.0285	-3.5175	38.5073	0.0011
Age	-0.1239	0.0281	-4.4082	125.5284	0.0000
Age squared	-0.1244	0.0217	-5.7204	1144.5059	0.0000
Education	0.4192	0.0260	16.1330	480.9989	0.0000
Male	0.1684	0.0490	3.4348	132.3802	0.0008
Black	-0.2105	0.0800	-2.6301	309.3387	0.0090
Hispanic	-0.1084	0.0608	-1.7830	405.4906	0.0753
Other race	0.0398	0.1001	0.3982	40.0922	0.6926
Partisan strength	0.0306	0.0278	1.0985	44.4813	0.2779
Recruitment to participate	0.0313	0.0229	1.3711	447.2200	0.1710
South	-0.0697	0.0484	-1.4408	656.6970	0.1501
Homeowner	0.6750	0.0541	12.4693	160.1239	0.0000
Unemployed	-0.2735	0.0993	-2.7544	483.6629	0.0061

Table 3: Linear Model of Individual's Church Participation as a Function of Individual's Religious Strictness

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.1648	0.1179	-1.3972	8.9793	0.1959
Individual strictness	0.3379	0.0337	10.0151	35.9686	0.0000
Age	0.0063	0.0629	0.0997	6.5666	0.9235
Age squared	-0.0172	0.0337	-0.5111	20.7870	0.6146
Education	-0.0157	0.0946	-0.1661	4.6992	0.8750
Male	-0.0438	0.0884	-0.4954	9.3846	0.6317
Black	0.1522	0.1186	1.2831	20.6142	0.2137
Hispanic	-0.1701	0.1940	-0.8766	5.0393	0.4205
Other race	-0.0708	0.1423	-0.4977	13.8952	0.6265
Partisan strength	-0.0753	0.0514	-1.4630	7.6475	0.1833
Recruitment to participate	-0.0311	0.0303	-1.0262	49.8438	0.3098
South	0.2271	0.1020	2.2267	7.8317	0.0573
Homeowner	0.0940	0.1033	0.9093	8.5183	0.3882
Unemployed	0.0453	0.2299	0.1971	6.7416	0.8495

Table 4: Zero-Inflated Negative Binomial Model of Number of Political Activities as a Function of Individual's Religious Strictness

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Count Equation					
Intercept	0.7328	0.0651	11.2589	816.9879	0.0000
Individual strictness	-0.0473	0.0298	-1.5873	107.7354	0.1154
Civic engagement	0.2338	0.0247	9.4738	300.9283	0.0000
Income	0.0956	0.0340	2.8104	146.5703	0.0056
Church participation	-0.0016	0.0434	-0.0364	10.4056	0.9717
Age	0.0110	0.0297	0.3701	1132.0830	0.7114
Age squared	-0.0499	0.0253	-1.9735	1151.7842	0.0487
Education	0.1430	0.0367	3.8971	92.9446	0.0002
Male	0.0027	0.0491	0.0546	1091.6947	0.9564
Black	-0.1743	0.0761	-2.2898	1125.8509	0.0222
Hispanic	-0.2187	0.0773	-2.8305	746.4912	0.0048
Other race	-0.2138	0.1001	-2.1351	1041.2794	0.0330
Partisan strength	0.1629	0.0289	5.6364	584.5580	0.0000
Recruitment to participate	0.0607	0.0198	3.0677	1099.8879	0.0022
South	-0.0843	0.0529	-1.5929	1051.3645	0.1115
Homeowner	-0.0981	0.0624	-1.5726	423.8554	0.1166
Unemployed	0.0305	0.1164	0.2619	1104.1121	0.7935
Logit Equation					
Intercept	-19.1356	933.1958	-0.0205	1158.8859	0.9836
Individual strictness	0.0767	0.3837	0.1999	25.6273	0.8432
Civic engagement	-0.6222	0.3173	-1.9611	233.8930	0.0510
Income	-1.0974	0.3950	-2.7781	288.3557	0.0058
Church participation	-0.2728	0.3612	-0.7553	29.4463	0.4561
Age	-1.7691	0.6891	-2.5674	611.6265	0.0105
Age squared	-1.0365	0.5167	-2.0058	706.7689	0.0453
Education	-0.2824	0.3224	-0.8760	992.5910	0.3812
Male	-0.4206	0.4956	-0.8485	680.0804	0.3964
Black	-2.0639	13311.0118	-0.0002	1158.8859	0.9999
Hispanic	17.1337	933.1953	0.0184	1158.8859	0.9854
Other race	17.2523	933.1956	0.0185	1158.8859	0.9853
Partisan strength	-0.6486	0.2519	-2.5747	240.7522	0.0106
Recruitment to participate	-1.5095	0.3964	-3.8077	455.9585	0.0002
South	0.4759	0.5631	0.8451	480.6881	0.3985
Homeowner	-0.4688	0.6387	-0.7340	287.2164	0.4635
Unemployed	-1.3913	0.9936	-1.4002	673.9278	0.1619

2 Alternate Specifications of the Treatment Variable of Strictness

2.1 Exogenous Measure of Strictness as the Treatment

Table 5: Linear Model of Individual's Civic Engagement as a Function of Exogenous Strictness Measure

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.0325	0.0748	-0.4352	1175.9653	0.6635
Exogenous strictness	0.0794	0.0294	2.6978	1171.2449	0.0071
Age	0.0140	0.0328	0.4260	1176.7741	0.6702
Age squared	-0.0209	0.0277	-0.7553	1178.1441	0.4502
Education	0.2101	0.0322	6.5320	1128.6094	0.0000
Male	-0.0179	0.0572	-0.3134	1178.9189	0.7541
Black	0.1125	0.0984	1.1432	1178.0362	0.2532
Hispanic	-0.0515	0.0747	-0.6888	1175.0365	0.4911
Other race	0.1121	0.1061	1.0561	1179.6993	0.2911
Partisan strength	0.0252	0.0298	0.8437	1125.0252	0.3990
Recruitment to participate	0.1384	0.0281	4.9303	1179.7909	0.0000
South	0.0835	0.0601	1.3901	1175.6284	0.1648
Homeowner	0.0444	0.0642	0.6910	1165.4029	0.4897
Unemployed	0.0159	0.1225	0.1301	1175.8224	0.8965

Table 6: Linear Model of Individual's Income as a Function of Exogenous Strictness Measure

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2162	0.0611	-3.5361	430.5341	0.0005
Exogenous strictness	-0.0599	0.0251	-2.3861	150.8333	0.0183
Age	-0.1353	0.0264	-5.1304	760.9144	0.0000
Age squared	-0.1279	0.0219	-5.8274	1113.9951	0.0000
Education	0.3884	0.0275	14.1351	134.1828	0.0000
Male	0.1799	0.0479	3.7540	222.7702	0.0002
Black	-0.2071	0.0804	-2.5754	433.9421	0.0103
Hispanic	-0.1526	0.0595	-2.5660	987.8504	0.0104
Other race	0.0284	0.0971	0.2922	55.6340	0.7712
Partisan strength	0.0199	0.0271	0.7337	55.0997	0.4663
Recruitment to participate	0.0280	0.0232	1.2070	322.2604	0.2283
South	-0.0822	0.0494	-1.6640	355.3288	0.0970
Homeowner	0.6643	0.0521	12.7484	517.6300	0.0000
Unemployed	-0.2828	0.0985	-2.8702	726.7558	0.0042

Table 7: Linear Model of Individual's Church Participation as a Function of Exogenous Strictness Measure

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2829	0.1195	-2.3685	9.2498	0.0413
Exogenous strictness	0.2376	0.0323	7.3618	55.9922	0.0000
Age	0.0465	0.0601	0.7744	7.2634	0.4631
Age squared	-0.0034	0.0312	-0.1098	43.8911	0.9131
Education	0.0942	0.0884	1.0658	4.9481	0.3358
Male	-0.0816	0.0926	-0.8811	8.9848	0.4012
Black	0.1195	0.1284	0.9301	17.1523	0.3652
Hispanic	-0.0122	0.1834	-0.0668	5.3429	0.9492
Other race	-0.0327	0.1382	-0.2370	17.4195	0.8154
Partisan strength	-0.0410	0.0553	-0.7416	7.0846	0.4822
Recruitment to participate	-0.0205	0.0293	-0.6999	109.7669	0.4855
South	0.2648	0.0953	2.7793	9.3822	0.0206
Homeowner	0.1367	0.1043	1.3109	8.9132	0.2226
Unemployed	0.0805	0.2190	0.3675	7.5249	0.7234

Table 8: Zero-Inflated Negative Binomial Model of Number of Political Activities as a Function of Exogenous Strictness Measure

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Count Equation					
Intercept	0.7546	0.0658	11.4613	508.3596	0.0000
Exogenous strictness	-0.0392	0.0265	-1.4828	137.1212	0.1404
Civic engagement	0.2308	0.0245	9.4336	332.7868	0.0000
Income	0.0982	0.0334	2.9446	196.5627	0.0036
Church participation	-0.0045	0.0442	-0.1018	9.7533	0.9210
Age	0.0049	0.0300	0.1629	1097.3555	0.8706
Age squared	-0.0524	0.0254	-2.0609	1144.5370	0.0395
Education	0.1229	0.0362	3.3910	126.3399	0.0009
Male	0.0090	0.0488	0.1848	1137.9972	0.8534
Black	-0.1626	0.0770	-2.1114	1103.8428	0.0350
Hispanic	-0.2363	0.0778	-3.0357	606.6757	0.0025
Other race	-0.2185	0.1005	-2.1734	983.8571	0.0300
Partisan strength	0.1550	0.0282	5.4901	638.6479	0.0000
Recruitment to participate	0.0598	0.0197	3.0270	1114.4975	0.0025
South	-0.0928	0.0533	-1.7414	855.6794	0.0820
Homeowner	-0.1094	0.0622	-1.7606	458.7038	0.0790
Unemployed	0.0206	0.1162	0.1777	1125.6274	0.8590
Logit Equation					
Intercept	-19.6872	716.5733	-0.0275	1158.8859	0.9781
Exogenous strictness	-0.1511	0.4032	-0.3747	496.0261	0.7081
Civic engagement	-0.6011	0.2976	-2.0202	727.3527	0.0437
Income	-1.1132	0.3862	-2.8824	427.9962	0.0041
Church participation	-0.1966	0.3647	-0.5392	23.2588	0.5949
Age	-1.7549	0.6515	-2.6936	860.1871	0.0072
Age squared	-1.0307	0.4914	-2.0973	952.6734	0.0362
Education	-0.2828	0.3354	-0.8432	454.1516	0.3996
Male	-0.3943	0.4866	-0.8104	703.8094	0.4180
Black	-0.7872	6556.2164	-0.0001	1158.8859	0.9999
Hispanic	17.7212	716.5727	0.0247	1158.8859	0.9803
Other race	17.8225	716.5731	0.0249	1158.8859	0.9802
Partisan strength	-0.6613	0.2437	-2.7135	430.9540	0.0069
Recruitment to participate	-1.5132	0.3909	-3.8708	728.3645	0.0001
South	0.4131	0.5642	0.7322	518.1305	0.4644
Homeowner	-0.5160	0.6498	-0.7942	220.7446	0.4280
Unemployed	-1.5016	0.9843	-1.5255	967.7731	0.1275

2.2 Religious Liberalism as the Treatment

Table 9: Linear Model of Individual's Civic Engagement as a Function of Individual's Religious Liberalism

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.0148	0.0748	-0.1978	1175.6308	0.8432
Religious liberalism	-0.0598	0.0284	-2.1059	928.6215	0.0355
Age	0.0027	0.0328	0.0821	1178.1983	0.9345
Age squared	-0.0245	0.0277	-0.8837	1179.1028	0.3770
Education	0.1996	0.0319	6.2521	1039.4783	0.0000
Male	-0.0255	0.0573	-0.4448	1178.4416	0.6565
Black	0.1609	0.0968	1.6617	1178.4910	0.0968
Hispanic	-0.0768	0.0743	-1.0335	1172.6886	0.3016
Other race	0.1131	0.1063	1.0638	1178.8499	0.2876
Partisan strength	0.0281	0.0299	0.9410	1105.8814	0.3469
Recruitment to participate	0.1421	0.0281	5.0510	1179.3428	0.0000
South	0.0891	0.0600	1.4843	1175.2913	0.1380
Homeowner	0.0258	0.0642	0.4016	1163.8034	0.6881
Unemployed	0.0099	0.1226	0.0805	1176.3477	0.9358

Table 10: Linear Model of Individual's Income as a Function of Individual's Religious Liberalism

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2290	0.0610	-3.7521	454.0222	0.0002
Religious liberalism	0.0380	0.0226	1.6860	700.5258	0.0922
Age	-0.1273	0.0264	-4.8152	716.0504	0.0000
Age squared	-0.1250	0.0219	-5.6961	1106.9777	0.0000
Education	0.3968	0.0264	15.0521	253.9373	0.0000
Male	0.1849	0.0480	3.8559	231.3652	0.0001
Black	-0.2434	0.0793	-3.0705	423.4344	0.0023
Hispanic	-0.1336	0.0591	-2.2594	991.0867	0.0241
Other race	0.0278	0.0971	0.2866	56.1480	0.7754
Partisan strength	0.0176	0.0269	0.6537	61.3297	0.5157
Recruitment to participate	0.0255	0.0232	1.1002	342.9521	0.2720
South	-0.0870	0.0498	-1.7489	292.5175	0.0814
Homeowner	0.6777	0.0522	12.9764	475.8840	0.0000
Unemployed	-0.2782	0.0986	-2.8206	735.4609	0.0049

Table 11: Linear Model of Individual's Church Participation as a Function of Individual's Religious Liberalism

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2241	0.1183	-1.8940	9.2811	0.0898
Religious liberalism	-0.2478	0.0282	-8.7836	183.6431	0.0000
Age	0.0078	0.0594	0.1311	7.3001	0.8992
Age squared	-0.0117	0.0317	-0.3704	35.7810	0.7133
Education	0.0681	0.0882	0.7725	4.8986	0.4754
Male	-0.1104	0.0918	-1.2025	9.0515	0.2597
Black	0.2639	0.1274	2.0714	16.0944	0.0548
Hispanic	-0.0898	0.1820	-0.4935	5.3209	0.6413
Other race	-0.0288	0.1376	-0.2094	17.2761	0.8366
Partisan strength	-0.0330	0.0554	-0.5964	6.9990	0.5697
Recruitment to participate	-0.0060	0.0290	-0.2086	123.6761	0.8351
South	0.2760	0.0932	2.9608	9.6875	0.0147
Homeowner	0.0747	0.1024	0.7295	9.0853	0.4841
Unemployed	0.0636	0.2159	0.2943	7.6161	0.7764

Table 12: Zero-Inflated Negative Binomial Model of Number of Political Activities as a Function of Individual's Religious Liberalism

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Count Equation					
Intercept	0.7413	0.0649	11.4264	734.3883	0.0000
Religious liberalism	0.0429	0.0274	1.5660	116.1291	0.1201
Civic engagement	0.2304	0.0244	9.4366	333.6297	0.0000
Income	0.1008	0.0336	3.0035	166.0798	0.0031
Church participation	-0.0025	0.0442	-0.0570	9.8717	0.9557
Age	0.0127	0.0299	0.4253	1084.9263	0.6707
Age squared	-0.0497	0.0253	-1.9640	1154.5865	0.0498
Education	0.1270	0.0365	3.4824	106.2514	0.0007
Male	0.0185	0.0491	0.3776	1132.8440	0.7058
Black	-0.1857	0.0766	-2.4232	1021.4610	0.0156
Hispanic	-0.2334	0.0781	-2.9887	510.7389	0.0029
Other race	-0.2153	0.1008	-2.1355	939.2807	0.0330
Partisan strength	0.1565	0.0283	5.5196	586.9341	0.0000
Recruitment to participate	0.0575	0.0197	2.9211	1148.8030	0.0036
South	-0.0918	0.0532	-1.7249	917.9166	0.0849
Homeowner	-0.1021	0.0616	-1.6584	570.5885	0.0978
Unemployed	0.0285	0.1160	0.2456	1135.9594	0.8060
Logit Equation					
Intercept	-18.2083	685.3084	-0.0266	1158.8859	0.9788
Religious liberalism	-0.2278	0.2501	-0.9108	116.2475	0.3643
Civic engagement	-0.6062	0.3045	-1.9910	539.4001	0.0470
Income	-1.1401	0.4091	-2.7870	187.4811	0.0059
Church participation	-0.3035	0.3761	-0.8071	23.4429	0.4277
Age	-1.8005	0.7252	-2.4827	539.1331	0.0133
Age squared	-1.0548	0.5603	-1.8827	358.7743	0.0606
Education	-0.2652	0.3417	-0.7763	362.4642	0.4381
Male	-0.3714	0.4871	-0.7623	736.8557	0.4461
Black	-2.2761	7016.3089	-0.0003	1158.8859	0.9997
Hispanic	16.1669	685.3081	0.0236	1158.8859	0.9812
Other race	16.3559	685.3081	0.0239	1158.8859	0.9810
Partisan strength	-0.6523	0.2477	-2.6336	372.7549	0.0088
Recruitment to participate	-1.5017	0.3959	-3.7935	518.3904	0.0002
South	0.4703	0.5790	0.8122	519.4246	0.4170
Homeowner	-0.5776	0.6745	-0.8564	162.8926	0.3930
Unemployed	-1.4329	0.9872	-1.4514	750.9797	0.1471

2.3 Evangelical Indicator as the Treatment

Table 13: Linear Model of Individual's Civic Engagement as a Function of Evangelical Indicator

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.0689	0.0765	-0.9005	1176.2815	0.3680
Evangelical	0.2468	0.0845	2.9196	1166.1937	0.0036
Age	0.0091	0.0327	0.2787	1177.5982	0.7805
Age squared	-0.0223	0.0277	-0.8043	1178.2304	0.4214
Education	0.1942	0.0317	6.1295	1105.3627	0.0000
Male	-0.0192	0.0571	-0.3356	1178.9228	0.7373
Black	0.1555	0.0967	1.6088	1178.5272	0.1079
Hispanic	-0.0458	0.0748	-0.6116	1175.9519	0.5409
Other race	0.1193	0.1061	1.1240	1179.7364	0.2612
Partisan strength	0.0280	0.0298	0.9407	1113.0986	0.3471
Recruitment to participate	0.1362	0.0281	4.8512	1179.7529	0.0000
South	0.0787	0.0601	1.3092	1175.3686	0.1907
Homeowner	0.0457	0.0642	0.7115	1164.7045	0.4769
Unemployed	0.0215	0.1225	0.1758	1175.5464	0.8605

Table 14: Linear Model of Individual's Income as a Function of Evangelical Indicator

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.2064	0.0626	-3.2967	440.9627	0.0011
Evangelical	-0.0976	0.0689	-1.4177	497.8238	0.1569
Age	-0.1308	0.0265	-4.9437	655.5237	0.0000
Age squared	-0.1254	0.0220	-5.7069	1101.8339	0.0000
Education	0.4001	0.0264	15.1252	223.4497	0.0000
Male	0.1811	0.0479	3.7796	231.0997	0.0002
Black	-0.2415	0.0794	-3.0404	404.1937	0.0025
Hispanic	-0.1463	0.0598	-2.4478	960.9151	0.0146
Other race	0.0255	0.0971	0.2631	56.7235	0.7934
Partisan strength	0.0174	0.0270	0.6463	59.5349	0.5205
Recruitment to participate	0.0286	0.0233	1.2258	304.3033	0.2212
South	-0.0841	0.0499	-1.6852	295.3129	0.0930
Homeowner	0.6685	0.0523	12.7774	486.0431	0.0000
Unemployed	-0.2825	0.0989	-2.8558	689.4395	0.0044

Table 15: Linear Model of Individual's Church Participation as a Function of Evangelical Indicator

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.3369	0.1355	-2.4862	7.8361	0.0383
Evangelical	0.4642	0.1531	3.0312	7.5444	0.0174
Age	0.0296	0.0598	0.4951	7.4643	0.6348
Age squared	-0.0120	0.0324	-0.3709	36.0548	0.7129
Education	0.0476	0.0885	0.5376	4.9447	0.6142
Male	-0.0864	0.0928	-0.9313	9.2482	0.3754
Black	0.2542	0.1274	1.9954	17.6962	0.0616
Hispanic	-0.0280	0.1911	-0.1463	5.2549	0.8891
Other race	-0.0194	0.1404	-0.1379	17.4441	0.8919
Partisan strength	-0.0314	0.0560	-0.5617	7.1039	0.5916
Recruitment to participate	-0.0237	0.0296	-0.8019	123.4368	0.4242
South	0.2676	0.0957	2.7951	9.6521	0.0196
Homeowner	0.1245	0.1055	1.1799	8.9849	0.2683
Unemployed	0.0832	0.2189	0.3803	7.7259	0.7140

Table 16: Zero-Inflated Negative Binomial Model of Number of Political Activities as a Function of Evangelical Indicator

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Count Equation					
Intercept	0.7605	0.0674	11.2821	571.3851	0.0000
Evangelical	-0.0668	0.0707	-0.9456	859.1204	0.3446
Civic engagement	0.2302	0.0245	9.3964	316.7115	0.0000
Income	0.0998	0.0332	3.0050	202.1682	0.0030
Church participation	-0.0112	0.0416	-0.2691	10.7407	0.7930
Age	0.0085	0.0298	0.2835	1091.6121	0.7768
Age squared	-0.0507	0.0253	-2.0031	1148.0579	0.0454
Education	0.1342	0.0353	3.8016	163.9741	0.0002
Male	0.0077	0.0488	0.1587	1145.6063	0.8739
Black	-0.1830	0.0765	-2.3926	1059.7463	0.0169
Hispanic	-0.2341	0.0773	-3.0288	644.5308	0.0026
Other race	-0.2144	0.1002	-2.1391	1005.4433	0.0327
Partisan strength	0.1533	0.0281	5.4469	671.8643	0.0000
Recruitment to participate	0.0595	0.0197	3.0170	1127.1362	0.0026
South	-0.0896	0.0533	-1.6834	917.9945	0.0926
Homeowner	-0.1081	0.0618	-1.7493	568.7592	0.0808
Unemployed	0.0238	0.1168	0.2036	1130.8354	0.8387
Logit Equation					
Intercept	-18.9777	1277.2955	-0.0149	1158.8859	0.9881
Evangelical	0.5124	0.9403	0.5449	873.1886	0.5859
Civic engagement	-0.6239	0.2928	-2.1307	572.3686	0.0335
Income	-1.1203	0.3834	-2.9216	326.8093	0.0037
Church participation	-0.2323	0.3518	-0.6604	22.8140	0.5156
Age	-1.7731	0.6792	-2.6106	881.8893	0.0092
Age squared	-1.0461	0.5135	-2.0374	852.5177	0.0419
Education	-0.2234	0.3208	-0.6964	472.9200	0.4865
Male	-0.3997	0.4789	-0.8345	822.7942	0.4042
Black	-2.0119	10584.6264	-0.0002	1158.8859	0.9998
Hispanic	16.9943	1277.2954	0.0133	1158.8859	0.9894
Other race	17.0581	1277.2954	0.0134	1158.8859	0.9893
Partisan strength	-0.6660	0.2437	-2.7325	431.8603	0.0065
Recruitment to participate	-1.5065	0.3826	-3.9373	613.2940	0.0001
South	0.4249	0.5504	0.7720	571.9867	0.4405
Homeowner	-0.4431	0.6297	-0.7036	239.6953	0.4824
Unemployed	-1.3761	0.9652	-1.4257	879.7644	0.1543

3 Results from Model of Various Protestant Traditions

Table 17: Linear Model of Protestant's Civic Engagement as a Function of Categorical Measure of Tradition

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	0.1213	0.1271	0.9545	554.5151	0.3402
Fundamentalist	0.2402	0.1553	1.5465	554.6793	0.1226
Liberal Protestant	-0.1874	0.1393	-1.3450	553.2495	0.1792
Mainline Protestant	-0.1643	0.1333	-1.2328	551.9552	0.2182
Pentecostal	-0.2044	0.1200	-1.7026	554.9544	0.0892
Age	-0.0064	0.0522	-0.1220	551.2187	0.9029
Age squared	0.0138	0.0439	0.3135	551.4136	0.7540
Education	0.2039	0.0528	3.8619	550.4087	0.0001
Male	-0.1014	0.0875	-1.1591	554.0827	0.2469
Black	0.1353	0.1173	1.1530	553.7796	0.2494
Hispanic	0.3565	0.1634	2.1814	554.5385	0.0296
Other race	0.1311	0.1842	0.7119	554.9007	0.4769
Partisan strength	0.0637	0.0470	1.3543	548.8310	0.1762
Recruitment to participate	0.1140	0.0410	2.7800	554.8488	0.0056
South	0.0525	0.0900	0.5833	553.2776	0.5599
Homeowner	0.0733	0.0984	0.7443	549.0969	0.4570
Unemployed	-0.0108	0.1996	-0.0543	554.8580	0.9567

Table 18: Linear Model of Protestant's Income as a Function of Categorical Measure of Tradition

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.3203	0.0957	-3.3459	482.1774	0.0009
Fundamentalist	-0.1501	0.1174	-1.2792	460.9211	0.2015
Liberal Protestant	0.0933	0.1046	0.8921	503.2049	0.3728
Mainline Protestant	0.2052	0.1057	1.9407	162.1474	0.0540
Pentecostal	-0.0363	0.0914	-0.3968	396.1587	0.6917
Age	-0.0982	0.0399	-2.4586	341.8336	0.0144
Age squared	-0.1106	0.0344	-3.2146	207.2338	0.0015
Education	0.4350	0.0461	9.4275	44.6994	0.0000
Male	0.1459	0.0693	2.1039	170.2422	0.0369
Black	-0.1571	0.0906	-1.7333	287.3444	0.0841
Hispanic	-0.0336	0.1245	-0.2702	392.9869	0.7872
Other race	-0.0188	0.1390	-0.1351	469.9448	0.8926
Partisan strength	0.0415	0.0359	1.1557	347.7520	0.2486
Recruitment to participate	0.0289	0.0306	0.9439	536.6953	0.3456
South	-0.0418	0.0722	-0.5791	134.5758	0.5635
Homeowner	0.6110	0.0741	8.2507	473.1216	0.0000
Unemployed	-0.3479	0.1516	-2.2958	422.7015	0.0222

Table 19: Linear Model of Protestant's Church Participation as a Function of Categorical Measure of Tradition

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	0.3135	0.1521	2.0614	39.5358	0.0459
Fundamentalist	0.1573	0.2347	0.6701	12.0574	0.5154
Liberal Protestant	-0.2292	0.1936	-1.1841	16.2011	0.2534
Mainline Protestant	-0.1518	0.1472	-1.0317	95.2801	0.3048
Pentecostal	-0.1130	0.1270	-0.8903	209.9238	0.3743
Age	-0.1241	0.1113	-1.1148	6.2254	0.3061
Age squared	0.0040	0.0591	0.0686	18.6730	0.9461
Education	0.0704	0.0729	0.9652	16.5745	0.3483
Male	-0.1710	0.1748	-0.9785	6.7785	0.3615
Black	0.0461	0.1691	0.2725	14.0734	0.7892
Hispanic	-0.0151	0.6211	-0.0244	4.1226	0.9817
Other race	-0.0618	0.3464	-0.1783	7.4127	0.8633
Partisan strength	-0.0885	0.0844	-1.0485	7.9858	0.3251
Recruitment to participate	0.0081	0.0738	0.1095	7.9816	0.9155
South	0.1898	0.2029	0.9356	5.8657	0.3864
Homeowner	-0.0172	0.1527	-0.1124	11.0849	0.9125
Unemployed	0.1494	0.4259	0.3507	6.2376	0.7373

Table 20: Poisson Model of Protestant's Number of Political Activities as a Function of Categorical Measure of Tradition

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	0.6348	0.0943	6.7307	478.6372	0.0000
Fundamentalist	-0.1171	0.1140	-1.0271	549.4540	0.3048
Liberal Protestant	0.2108	0.0941	2.2405	509.5601	0.0255
Mainline Protestant	0.1155	0.0919	1.2563	547.5116	0.2095
Pentecostal	0.0182	0.0908	0.2010	542.8996	0.8408
Civic engagment	0.2629	0.0375	7.0170	31.9323	0.0000
Income	0.0546	0.0424	1.2868	172.2651	0.1999
Church participation	0.0044	0.0786	0.0558	5.3763	0.9575
Age	0.0301	0.0401	0.7511	505.5533	0.4530
Age squared	-0.0985	0.0336	-2.9334	536.3351	0.0035
Education	0.0778	0.0436	1.7838	293.2908	0.0755
Male	0.0414	0.0633	0.6546	476.9246	0.5130
Black	-0.1185	0.0844	-1.4034	543.7180	0.1611
Hispanic	-0.4512	0.1475	-3.0584	270.3378	0.0024
Other race	-0.3609	0.1454	-2.4824	550.2538	0.0133
Partisan strength	0.1513	0.0363	4.1739	346.0417	0.0000
Recruitment to participate	0.0614	0.0241	2.5530	506.6291	0.0110
South	-0.0494	0.0648	-0.7629	503.3833	0.4459
Homeowner	-0.0124	0.0763	-0.1632	528.7156	0.8704
Unemployed	0.0286	0.1569	0.1823	471.1168	0.8555

4 Results of Separate Logits

Table 21: Logistic Regression Model of Whether an Individual Voted in the 2004 Election

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	1.3930	0.2448	5.6898	61.7269	0.0000
Individual strictness	-0.3996	0.2030	-1.9683	5.9016	0.0974
Age	0.4229	0.0890	4.7502	1025.2240	0.0000
Age squared	-0.1056	0.0809	-1.3048	380.7283	0.1927
Education	0.3975	0.1035	3.8393	195.5373	0.0002
Income	0.4302	0.1143	3.7647	166.9377	0.0002
Male	-0.2043	0.1677	-1.2186	381.0750	0.2237
Black	-0.2904	0.2785	-1.0429	323.1817	0.2978
Hispanic	-1.2237	0.1962	-6.2367	320.5816	0.0000
Other race	-0.9019	0.2850	-3.1643	594.9576	0.0016
Partisan strength	0.6403	0.1102	5.8108	19.7914	0.0000
Recruitment to participate	0.1732	0.0927	1.8682	484.0448	0.0623
South	-0.0710	0.1697	-0.4187	871.3194	0.6756
Church participation	0.0905	0.1884	0.4801	6.4547	0.6470
Homeowner	0.3094	0.1967	1.5730	157.8941	0.1177
Unemployed	-0.2981	0.3214	-0.9275	659.3970	0.3540
Civic engagement	0.3303	0.0922	3.5825	220.6008	0.0004

Table 22: Logistic Regression Model of Whether an Individual Signed a Petition in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-0.1077	0.1921	-0.5607	280.4766	0.5754
Individual strictness	-0.2257	0.0955	-2.3628	31.7986	0.0244
Age	-0.1637	0.0825	-1.9844	1091.3114	0.0475
Age squared	-0.0615	0.0692	-0.8877	1152.1962	0.3749
Education	0.4109	0.0911	4.5089	518.4531	0.0000
Income	0.1294	0.0948	1.3642	197.8793	0.1741
Male	-0.2915	0.1428	-2.0412	844.9892	0.0415
Black	-0.3044	0.2274	-1.3385	814.3522	0.1811
Hispanic	-0.8671	0.1913	-4.5330	716.1578	0.0000
Other race	-0.6587	0.2507	-2.6278	1020.2967	0.0087
Partisan strength	0.3755	0.0799	4.7001	293.7407	0.0000
Recruitment to participate	0.1737	0.0714	2.4347	843.2801	0.0151
South	-0.5153	0.1518	-3.3946	1087.9636	0.0007
Church participation	0.0816	0.1340	0.6092	8.6786	0.5580
Homeowner	-0.0258	0.1799	-0.1434	218.2853	0.8861
Unemployed	0.5503	0.3035	1.8133	1114.8526	0.0701
Civic engagement	0.2906	0.0744	3.9063	317.8455	0.0001

Table 23: Logistic Regression Model of Whether an Individual Worked for a Candidate or Party in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-3.3126	0.4338	-7.6357	890.2198	0.0000
Individual strictness	-0.0817	0.2330	-0.3505	19.8261	0.7297
Age	0.4091	0.2130	1.9204	1099.4870	0.0551
Age squared	-0.1419	0.1681	-0.8438	1165.7119	0.3989
Education	0.0599	0.2071	0.2892	662.1501	0.7725
Income	0.5382	0.2072	2.5971	801.0619	0.0096
Male	-0.2081	0.3217	-0.6469	882.1841	0.5179
Black	0.2057	0.4886	0.4210	869.2822	0.6738
Hispanic	0.0863	0.4390	0.1965	1174.5630	0.8442
Other race	-0.2019	0.5757	-0.3507	1137.0968	0.7259
Partisan strength	0.3143	0.1779	1.7667	1162.2458	0.0775
Recruitment to participate	0.1992	0.0923	2.1580	1012.6981	0.0312
South	0.1543	0.3342	0.4616	690.5682	0.6445
Church participation	-0.2638	0.2543	-1.0370	14.5354	0.3167
Homeowner	-0.5593	0.3943	-1.4183	1023.1935	0.1564
Unemployed	0.5265	0.6696	0.7863	1052.6544	0.4319
Civic engagement	0.6910	0.1449	4.7699	606.4800	0.0000

Table 24: Logistic Regression Model of Whether an Individual Contacted a Public Official in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-1.4975	0.2418	-6.1929	447.5009	0.0000
Individual strictness	0.0567	0.1040	0.5449	68.3997	0.5876
Age	-0.0088	0.1084	-0.0811	936.2826	0.9354
Age squared	-0.1660	0.0932	-1.7806	1132.4787	0.0752
Education	0.2869	0.1172	2.4481	379.1256	0.0148
Income	0.2003	0.1251	1.6006	81.5350	0.1133
Male	0.4053	0.1720	2.3571	1146.0583	0.0186
Black	-0.5529	0.2857	-1.9357	851.7220	0.0532
Hispanic	-0.9285	0.2562	-3.6239	940.0866	0.0003
Other race	-0.7405	0.3251	-2.2776	1102.5127	0.0229
Partisan strength	0.2006	0.0948	2.1162	1163.1663	0.0345
Recruitment to participate	0.1444	0.0742	1.9455	783.6422	0.0521
South	0.2084	0.1881	1.1080	350.0580	0.2686
Church participation	-0.0411	0.1832	-0.2246	7.3011	0.8285
Homeowner	-0.1994	0.2188	-0.9116	737.8827	0.3623
Unemployed	0.1095	0.4139	0.2645	1123.3583	0.7914
Civic engagement	0.6543	0.0975	6.7127	63.5459	0.0000

Table 25: Logistic Regression Model of Whether an Individual Attempted to Persuade Someone's Vote in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-1.1014	0.2179	-5.0538	1046.7017	0.0000
Individual strictness	-0.0745	0.0951	-0.7829	264.1547	0.4344
Age	-0.0623	0.1011	-0.6164	958.3430	0.5378
Age squared	-0.1849	0.0868	-2.1300	1140.8390	0.0334
Education	0.1423	0.1055	1.3491	1126.9360	0.1776
Income	0.2423	0.1212	1.9994	58.3789	0.0502
Male	0.0657	0.1653	0.3972	1014.9994	0.6913
Black	-0.5846	0.2792	-2.0942	833.4634	0.0365
Hispanic	-0.5179	0.2254	-2.2976	1099.0468	0.0218
Other race	-0.5422	0.3007	-1.8031	1155.7481	0.0716
Partisan strength	0.5418	0.0955	5.6721	1069.9982	0.0000
Recruitment to participate	0.2402	0.0724	3.3189	1039.2615	0.0009
South	-0.1039	0.1780	-0.5838	931.5437	0.5595
Church participation	-0.0846	0.1475	-0.5735	10.3453	0.5785
Homeowner	-0.3406	0.2086	-1.6325	468.8698	0.1032
Unemployed	0.2696	0.3704	0.7277	1020.5409	0.4670
Civic engagement	0.4734	0.0872	5.4257	172.2691	0.0000

Table 26: Logistic Regression Model of Whether an Individual Attended a Political Meeting or Rally in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-2.5922	0.3246	-7.9871	1008.0046	0.0000
Individual strictness	-0.3893	0.1786	-2.1800	23.8451	0.0394
Age	-0.2141	0.1402	-1.5273	1135.4079	0.1270
Age squared	-0.0542	0.1233	-0.4393	1163.5661	0.6605
Education	0.1020	0.1592	0.6404	412.4485	0.5222
Income	0.1360	0.1639	0.8293	128.6770	0.4085
Male	0.2769	0.2359	1.1740	917.5514	0.2407
Black	-0.2978	0.3726	-0.7993	1156.1265	0.4243
Hispanic	-0.7114	0.3387	-2.1005	1016.6262	0.0359
Other race	-0.5064	0.4282	-1.1828	872.1235	0.2372
Partisan strength	0.2269	0.1308	1.7351	787.0978	0.0831
Recruitment to participate	0.1331	0.0874	1.5236	1118.1121	0.1279
South	0.0442	0.2513	0.1758	699.4334	0.8605
Church participation	0.0658	0.1428	0.4607	66.0704	0.6465
Homeowner	-0.2915	0.2964	-0.9835	730.7692	0.3257
Unemployed	0.2306	0.5135	0.4491	1174.1202	0.6534
Civic engagement	0.8853	0.1161	7.6244	337.2848	0.0000

Table 27: Logistic Regression Model of Whether an Individual Gave Money to a Party, Group, or Candidate in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-1.8214	0.2731	-6.6701	443.8024	0.0000
Individual strictness	0.0920	0.1365	0.6736	21.9483	0.5076
Age	0.4524	0.1350	3.3513	870.3851	0.0008
Age squared	-0.0860	0.1032	-0.8332	1169.2709	0.4049
Education	0.4173	0.1304	3.1993	760.4048	0.0014
Income	0.4344	0.1346	3.2270	179.3510	0.0015
Male	0.3317	0.1942	1.7078	962.2821	0.0880
Black	-0.3880	0.3225	-1.2029	1027.1232	0.2293
Hispanic	-0.9632	0.3187	-3.0220	948.9392	0.0026
Other race	-1.1022	0.4116	-2.6780	990.6755	0.0075
Partisan strength	0.3659	0.1128	3.2449	1170.1418	0.0012
Recruitment to participate	0.0139	0.0938	0.1485	1171.6189	0.8820
South	-0.3349	0.2220	-1.5088	462.4742	0.1320
Church participation	-0.2335	0.1354	-1.7240	33.0032	0.0941
Homeowner	-0.3406	0.2605	-1.3075	239.8474	0.1923
Unemployed	0.1188	0.5243	0.2266	1111.5178	0.8208
Civic engagement	0.4743	0.1013	4.6827	229.6648	0.0000

Table 28: Logistic Regression Model of Whether an Individual Worked for a Religious Organization Involved in Politics in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-3.3067	0.4254	-7.7726	865.6870	0.0000
Individual strictness	0.0952	0.2369	0.4018	11.8643	0.6950
Age	0.0837	0.1921	0.4360	1172.7971	0.6629
Age squared	-0.1550	0.1607	-0.9644	1153.9230	0.3351
Education	0.1020	0.2050	0.4975	612.7620	0.6190
Income	-0.3191	0.2049	-1.5574	948.0690	0.1197
Male	0.4337	0.3131	1.3855	1069.9442	0.1662
Black	-0.2418	0.4798	-0.5040	1047.1804	0.6143
Hispanic	-0.6622	0.4641	-1.4270	1081.2881	0.1539
Other race	-0.0477	0.5271	-0.0905	1167.0572	0.9279
Partisan strength	0.1230	0.1696	0.7255	1036.1243	0.4683
Recruitment to participate	0.1062	0.1115	0.9518	627.9997	0.3415
South	0.0586	0.3285	0.1783	897.7402	0.8585
Church participation	0.1284	0.2809	0.4572	8.9743	0.6584
Homeowner	-0.0418	0.3800	-0.1101	1124.3114	0.9124
Unemployed	-0.4805	0.7758	-0.6193	1145.0336	0.5358
Civic engagement	0.6715	0.1472	4.5605	368.5883	0.0000

Table 29: Logistic Regression Model of Whether an Individual Participated in a Demonstration or Protest in the Past Year

Covariate	Estimate	Std. Err.	t-ratio	d.f.	Pr(>|t|)
Intercept	-3.6302	0.4646	-7.8139	773.8900	0.0000
Individual strictness	-0.3182	0.3536	-0.9000	9.1037	0.3913
Age	-0.4825	0.2082	-2.3180	420.4862	0.0209
Age squared	0.0623	0.1713	0.3636	1155.0364	0.7163
Education	0.1017	0.2136	0.4763	432.1154	0.6341
Income	-0.1399	0.2469	-0.5669	44.8474	0.5736
Male	0.0761	0.3318	0.2294	700.5277	0.8187
Black	0.0029	0.6062	0.0047	335.9453	0.9962
Hispanic	0.4693	0.4141	1.1332	620.6609	0.2576
Other race	0.0446	0.5743	0.0776	761.1666	0.9382
Partisan strength	0.1812	0.1830	0.9900	174.4808	0.3236
Recruitment to participate	0.1869	0.1037	1.8027	808.4742	0.0718
South	-0.3360	0.3678	-0.9134	827.8468	0.3613
Church participation	-0.4439	0.3530	-1.2575	7.8921	0.2445
Homeowner	-0.7205	0.4456	-1.6169	190.2487	0.1076
Unemployed	-0.2094	0.7020	-0.2983	340.2366	0.7657
Civic engagement	0.7969	0.1508	5.2837	833.6932	0.0000

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