Discrimination that Matters: Replication with Extensions of "Perceived Discrimination and Political Behaviour" (2020): Appendix

Andrej Cvetic[†]

Current Draft: June 28, 2024

[†]Department of Political Science, Trinity College Dublin, Ireland. E-mail: cvetica@tcd.ie.

Contents

(1) Study 1: Additional Descriptive Statistics of the Original Paper

Table 1: Summary Statistics for Specific Measures (Political and Societal Discrimination)

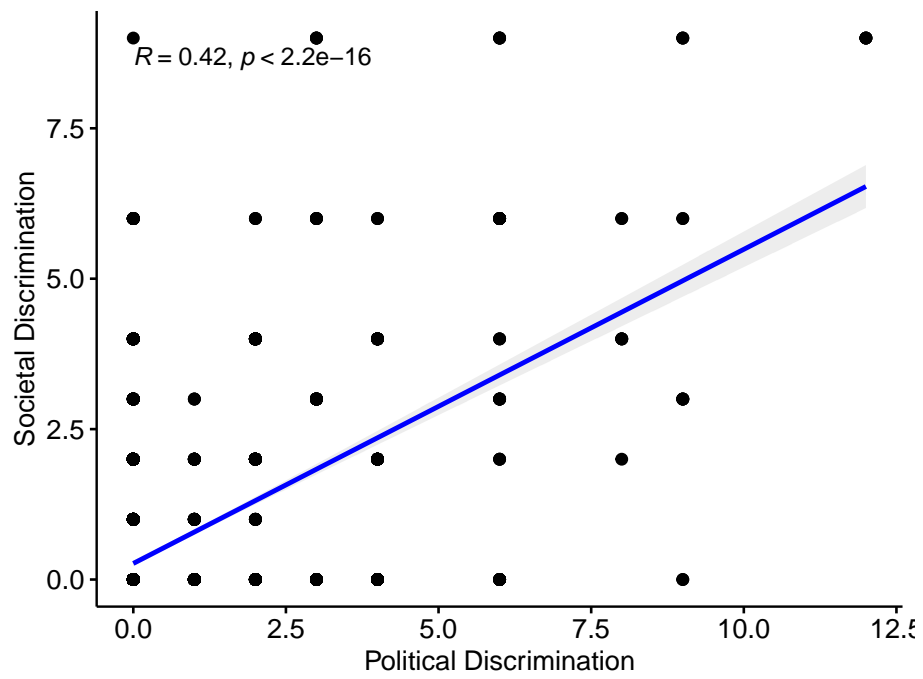| Statistic	N	Mean	St. Dev.	Min	Max
Political Discrimination	2,658	0.548	1.414	0	12
Societal Discrimination	2,658	0.553	1.366	0	9

Figure 1: Correlations of Specific Measures (Political and Societal Discrimination)

(2)   Study 1: Variable Manipulation Strategy and Explanations

Strength of party identification is a 3-point scale (1-3) of self-identified attachment to previously disclosed close party. Time spent in the UK measures years respondent spent in the UK since the time of arrival. Citizenship is a binary indicator of holding a UK passport.

In case of evaluations of economic past, original questions asked respondents how does the financial situation of their household compare to what it was 12 months ago and how has the situation in the country changed over the last 12 months. Answers were ordered in 5-point scale ranging from 1 (got a lot worse) to 5 (got a lot better). I transformed this into a 3-point scale ranging from 1 (worse) over 2 (stay the same) to 3 (better). For the future evaluations, respondents were asked how the situation of their household is going to change in the next 12 months and general economic situation in the country is going to develop in the next 12 months. Answers were ordered in 5-point scale ranging from 1 (got a lot worse) to 5 (got a lot better). I transformed this into a 3-point scale ranging from 1 (worse) over 2 (stay the same) to 3 (better).

Involvement in community affairs was assessed through the following question: "Over the past few years, how active have you been in a voluntary organisation, like a local community association, a charity, or a sports club?" Answers were ordered in 4-point scale ranging from 1 (very active) to 4 (not at all active). I recoded the scale so that 0 represents complete lack of involvement and that 3 represents highest level of

involvement. Participation in social networks was measured through questions asking how many people in respondent's circle of friends, neighbourhood or church were from the same ethnic background. Answers were ordered in 5-point scale ranging from 1 (all of them) to 5 (none of them). For all three variables, scales were reversed so that 0 represents complete absence of people from the same ethnic background, to 4 which would represent complete absence of people who do not share respondent's ethnic background. Three variables were then summed into an index that could take values from 0 (complete absence of people from the same ethnic background) to 12 (complete absence of people who are not of the same ethnic background). Perception of prejudice was measured through assessment if there is more or less prejudice against respondent's ethnic group compared to other Black and Asian groups in the UK today. Answers were ordered in 3-point scale, which was recoded so that 1 means less prejudice, 2 means the same and 3 means more prejudice.

(3) Study 1: Alternative Specifications of Original Models

Table 2: Vote in General Elections (Specific Measures) - Alternative Specifications

	Vote in General Election				
	(1)	(2)	(3)	(4)	(5)
Societal Discrimination	−0.132*	−0.135*	−0.080*	−0.079*	−0.123**
	(0.080)	(0.075)	(0.044)	(0.044)	(0.051)
Political Discrimination	0.124	0.100	0.056	0.049	0.072
	(0.079)	(0.073)	(0.044)	(0.044)	(0.052)
Worship Attendance	0.142***	0.115**	0.120***	0.116***	0.046
	(0.053)	(0.048)	(0.031)	(0.031)	(0.045)
Political Interest	0.251***	0.381***	0.389***	0.414***	0.379***
	(0.093)	(0.081)	(0.052)	(0.053)	(0.064)
Political Knowledge	0.195**	0.152**	0.210***	0.224***	0.204***
	(0.077)	(0.070)	(0.046)	(0.048)	(0.056)
Strength of Party ID	0.367***	0.393***			
	(0.126)	(0.112)			
Close to British ID	0.390***	0.318***			
	(0.121)	(0.110)			
Party ID (Yes=1)			1.230***	1.158***	1.206***
			(0.127)	(0.131)	(0.152)
English (Main Lang)	0.114	0.044	0.278**	0.261**	0.257*
	(0.201)	(0.185)	(0.129)	(0.132)	(0.148)
Citizen	0.673***	0.736***			
	(0.216)	(0.197)			
Duration of Stay	0.001	−0.0002			
	(0.011)	(0.010)			
Native Born			0.106	0.154	−0.149
			(0.128)	(0.131)	(0.157)
Female	0.145	0.276*	0.389***	0.441***	0.497***
	(0.176)	(0.162)	(0.106)	(0.108)	(0.129)
Age	0.031***	0.029***	0.036***	0.038***	0.030***
	(0.010)	(0.009)	(0.004)	(0.005)	(0.005)
Education	−0.066	−0.051	−0.023	0.002	−0.013
	(0.056)	(0.051)	(0.036)	(0.037)	(0.044)
High Income	0.286	0.189	0.294	0.206	0.566**
	(0.333)	(0.313)	(0.214)	(0.217)	(0.273)
Med Income	0.556**	0.416*	0.161	0.091	0.333*
	(0.267)	(0.251)	(0.155)	(0.158)	(0.192)
Missing Income	0.154	0.051	0.128	0.140	0.159
	(0.199)	(0.180)	(0.119)	(0.122)	(0.143)
Black Caribbean	−0.011	−0.063	0.063	0.013	0.287
	(0.308)	(0.279)	(0.169)	(0.173)	(0.216)
Indian	0.336	0.478**	0.710***	0.715***	0.644***
	(0.248)	(0.226)	(0.166)	(0.170)	(0.205)
Pakistani	0.988***	0.976***	0.870***	0.840***	0.808***
	(0.260)	(0.237)	(0.159)	(0.163)	(0.193)
Bangladeshi	1.432***	1.581***	1.618***	1.559***	1.347***
	(0.358)	(0.331)	(0.231)	(0.232)	(0.251)
Vote Duty	0.686***				
	(0.121)				
Political Efficacy	0.045				
	(0.030)				
Democratic Satisfaction	0.013				
	(0.126)				
Trust Parliament	−0.026				
	(0.039)				
Personal finance past			0.032		
			(0.077)		
Personal finance future			−0.076		
			(0.067)		
National economic past				0.052	
				(0.077)	
National economic future				−0.053	
				(0.063)	
Community affairs					0.053
					(0.064)
Social Network					0.065**
					(0.031)
More prejudice					0.001
					(0.092)
Constant	−7.287***	−4.172***	−4.138***	−4.397***	−4.189***
	(0.857)	(0.573)	(0.386)	(0.389)	(0.497)
N	982	1,107	2,251	2,148	1,647
Log Likelihood	−440.485	−517.400	−1,158.282	−1,106.169	−816.505
AIC	930.969	1,076.800	2,358.565	2,254.338	1,677.010

*p < .1; **p < .05; ***p < .01

Table 3: Vote in Local Elections (Specific Measures) - Alternative Specifications

	Vote in Local Election				
	(1)	(2)	(3)	(4)	(5)
Societal Discrimination	−0.113	−0.106	−0.053	−0.064	−0.103**
	(0.079)	(0.074)	(0.044)	(0.044)	(0.052)
Political Discrimination	0.092	0.079	0.055	0.043	0.071
	(0.078)	(0.072)	(0.043)	(0.043)	(0.051)
Worship Attendance	0.105**	0.082*	0.116***	0.110***	0.014
	(0.052)	(0.047)	(0.031)	(0.031)	(0.045)
Political Interest	0.259***	0.367***	0.347***	0.373***	0.303***
	(0.092)	(0.079)	(0.052)	(0.052)	(0.063)
Political Knowledge	0.151**	0.111	0.168***	0.182***	0.180***
	(0.075)	(0.068)	(0.045)	(0.047)	(0.055)
Strength of Party ID	0.210*	0.244**			
	(0.123)	(0.109)			
Close to British ID	0.426***	0.341***			
	(0.119)	(0.107)			
Party ID (Yes=1)			1.216***	1.104***	1.186***
			(0.130)	(0.134)	(0.155)
English (Main Lang)	0.195	0.065	0.233*	0.208	0.260*
	(0.200)	(0.182)	(0.128)	(0.130)	(0.147)
Citizen	0.703***	0.711***			
	(0.214)	(0.194)			
Duration of Stay	−0.001	−0.001			
	(0.010)	(0.009)			
Native Born			0.087	0.177	−0.107
			(0.125)	(0.128)	(0.153)
Female	−0.077	0.070	0.256**	0.274***	0.308**
	(0.172)	(0.157)	(0.104)	(0.106)	(0.127)
Age	0.034***	0.029***	0.039***	0.042***	0.033***
	(0.009)	(0.008)	(0.004)	(0.005)	(0.005)
Education	−0.083	−0.055	−0.024	−0.004	−0.018
	(0.054)	(0.050)	(0.036)	(0.036)	(0.043)
High Income	0.287	0.193	0.283	0.241	0.352
	(0.324)	(0.303)	(0.205)	(0.209)	(0.256)
Med Income	0.413	0.282	0.087	0.027	0.080
	(0.258)	(0.241)	(0.151)	(0.154)	(0.185)
Missing Income	0.026	−0.112	0.028	0.034	−0.088
	(0.196)	(0.176)	(0.118)	(0.121)	(0.142)
Black Caribbean	−0.093	−0.042	0.064	−0.016	0.243
	(0.299)	(0.271)	(0.166)	(0.170)	(0.210)
Indian	0.195	0.333	0.467***	0.430***	0.401**
	(0.247)	(0.222)	(0.162)	(0.165)	(0.198)
Pakistani	1.095***	1.069***	0.955***	0.906***	0.964***
	(0.261)	(0.234)	(0.159)	(0.162)	(0.193)
Bangladeshi	1.281***	1.479***	1.534***	1.461***	1.358***
	(0.345)	(0.314)	(0.222)	(0.224)	(0.249)
Vote Duty	0.661***				
	(0.123)				
Political Efficacy	0.057*				
	(0.030)				
Democratic Satisfaction	−0.031				
	(0.123)				
Trust Parliament	0.003				
	(0.038)				
Personal finance past			0.071		
			(0.076)		
Personal finance future			−0.044		
			(0.067)		
National economic past				0.085	
				(0.076)	
National economic future				−0.080	
				(0.062)	
Community affairs					0.019
					(0.062)
Social Network					0.067**
					(0.030)
More prejudice					−0.042
					(0.090)
Constant	−7.035***	−3.760***	−4.236***	−4.280***	−3.828***
	(0.847)	(0.549)	(0.383)	(0.384)	(0.489)
N	914	1,030	2,123	2,020	1,536
Log Likelihood	−449.226	−534.459	−1,170.113	−1,118.630	−822.635
AIC	948.452	1,110.918	2,382.226	2,279.261	1,689.270

*p < .1; **p < .05; ***p < .01

Table 4: Ethnic Based Engagement (Specific Measures) - Alternative Specifications

	Ethnic-Based Participation		
	(1)	(2)	(3)
Societal Discrimination	0.167**	0.159**	0.113**
	(0.069)	(0.066)	(0.046)
Political Discrimination	0.080	0.088	0.002
	(0.064)	(0.061)	(0.045)
Worship Attendance	0.264***	0.254***	0.188***
	(0.052)	(0.047)	(0.044)
Political Interest	0.212***	0.217***	0.097*
	(0.080)	(0.070)	(0.058)
Political Knowledge	0.070	0.107*	0.168***
	(0.069)	(0.064)	(0.053)
Strength of Party ID	0.098	0.138	
	(0.110)	(0.100)	
Close to British ID	0.039	0.081	
	(0.108)	(0.101)	
Party ID (Yes=1)			0.522***
			(0.171)
English (Main Lang)	−0.372**	−0.272	−0.256*
	(0.179)	(0.166)	(0.137)
Citizen	−0.065	0.001	
	(0.206)	(0.190)	
Duration of Stay	0.005	0.005	
	(0.009)	(0.008)	
Native Born			0.217
			(0.146)
Female	0.318**	0.394***	0.096
	(0.155)	(0.145)	(0.118)
Age	0.009	0.006	0.002
	(0.008)	(0.007)	(0.005)
Education	0.107**	0.122***	0.063
	(0.050)	(0.046)	(0.040)
High Income	0.043	0.001	0.218
	(0.291)	(0.270)	(0.217)
Med Income	−0.021	0.103	0.145
	(0.221)	(0.207)	(0.169)
Missing Income	−0.006	0.001	−0.045
	(0.177)	(0.164)	(0.135)
Black Caribbean	−0.525*	−0.405	−0.037
	(0.281)	(0.261)	(0.200)
Indian	0.483**	0.511**	0.531***
	(0.218)	(0.200)	(0.186)
Pakistani	−0.722***	−0.698***	−0.535***
	(0.242)	(0.222)	(0.186)
Bangladeshi	0.075	0.114	−0.073
	(0.290)	(0.263)	(0.228)
Vote Duty	0.208*		
	(0.114)		
Political Efficacy	0.089***		
	(0.025)		
Democratic Satisfaction	−0.215**		
	(0.108)		
Trust Parliament	−0.076**		
	(0.034)		
Community affairs			0.564***
			(0.056)
Social Network			0.094***
			(0.029)
More prejudice			0.129
			(0.084)
Constant	−3.616***	−3.644***	−4.159***
	(0.704)	(0.508)	(0.476)
N	990	1,116	1,661
Log Likelihood	−546.151	−627.950	−934.812
AIC	1,142.301	1,297.900	1,913.625

*p < .1; **p < .05; ***p < .01

Table 5: Identity Choice (Specific Measures) - Alternative Specifications

Identity Choice:	Both (1)	British (1)	Both (2)	British (2)	Both (3)	British (3)
Societal Discrimination	−0.237***	−0.199*	−0.203***	−0.197*	−0.138***	−0.073
	(0.077)	(0.107)	(0.072)	(0.105)	(0.050)	(0.070)
Political Discrimination	−0.064	−0.027	−0.087	−0.064	−0.088*	−0.173**
	(0.068)	(0.101)	(0.066)	(0.099)	(0.047)	(0.074)
Worship Attendance	−0.012	−0.181***	−0.010	−0.169***	−0.080*	−0.141**
	(0.049)	(0.066)	(0.045)	(0.062)	(0.044)	(0.057)
Political Interest	0.052	0.204*	0.029	0.273***	0.090	0.262***
	(0.081)	(0.114)	(0.072)	(0.103)	(0.060)	(0.082)
Political Knowledge	0.001	−0.039	−0.046	−0.074	−0.050	0.102
	(0.070)	(0.100)	(0.065)	(0.095)	(0.055)	(0.076)
Strength of Party ID	0.006	−0.123	0.042	−0.054		
	(0.111)	(0.157)	(0.101)	(0.145)		
Party ID (Yes=1)					0.180	−0.041
					(0.163)	(0.222)
English (Main Lang)	0.355*	0.471*	0.287*	0.359	0.441***	0.679***
	(0.185)	(0.257)	(0.171)	(0.241)	(0.144)	(0.192)
Citizen	0.941***	1.654***	0.907***	1.549***		
	(0.205)	(0.354)	(0.188)	(0.332)		
Duration of Stay	0.009	0.022*	0.009	0.021*		
	(0.009)	(0.013)	(0.009)	(0.012)		
Native Born					0.782***	1.301***
					(0.159)	(0.208)
Female	−0.255	−0.448**	−0.182	−0.441**	−0.053	−0.108
	(0.157)	(0.225)	(0.147)	(0.212)	(0.122)	(0.167)
Age	0.002	0.007	0.006	0.014	0.017***	0.024***
	(0.008)	(0.012)	(0.008)	(0.011)	(0.005)	(0.007)
Education	0.010	0.066	0.030	0.068	0.004	−0.045
	(0.050)	(0.071)	(0.047)	(0.067)	(0.041)	(0.057)
High Income	−0.558*	−0.521	−0.560*	−0.521	−0.390*	−0.638**
	(0.310)	(0.407)	(0.286)	(0.390)	(0.230)	(0.309)
Med Income	−0.012	−0.308	0.105	−0.216	0.020	−0.415*
	(0.229)	(0.328)	(0.218)	(0.319)	(0.177)	(0.248)
Missing Income	0.099	−0.378	0.148	−0.248	0.391***	0.028
	(0.178)	(0.254)	(0.165)	(0.237)	(0.140)	(0.189)
Black Caribbean	−0.089	−0.286	−0.246	−0.557	−0.296	−0.660**
	(0.272)	(0.424)	(0.252)	(0.408)	(0.202)	(0.331)
Indian	0.729***	1.222***	0.598***	1.119***	0.584***	1.429***
	(0.234)	(0.349)	(0.214)	(0.328)	(0.198)	(0.288)
Pakistani	1.005***	1.612***	0.880***	1.601***	1.041***	2.048***
	(0.239)	(0.353)	(0.219)	(0.329)	(0.192)	(0.284)
Bangladeshi	0.387	0.705	0.436	0.798*	0.724***	1.423***
	(0.292)	(0.443)	(0.267)	(0.413)	(0.229)	(0.337)
Vote Duty	0.021	−0.066				
	(0.111)	(0.155)				
Political Efficacy	0.032	0.056				
	(0.026)	(0.037)				
Democratic Satisfaction	0.062	0.113				
	(0.111)	(0.161)				
Trust Parliament	0.057*	0.090*				
	(0.034)	(0.050)				
Community affairs					0.028	0.155**
					(0.061)	(0.079)
Social Network					−0.042	−0.110***
					(0.030)	(0.040)
More prejudice					−0.204**	−0.361***
					(0.088)	(0.121)
Constant	−1.802***	−3.879***	−1.104**	−3.567***	−0.435	−2.191***
	(0.688)	(0.998)	(0.471)	(0.724)	(0.459)	(0.652)
AIC	1,857.281	1,857.281	2,069.227	2,069.227	3,084.380	3,084.380

*p < .1; **p < .05; ***p < .01

(4) Study 1: Coerced Exact Matching Results

Table 6: Vote in General Elections (Societal Discrimination) - Coerced Exact Imbalance before Matching

Variables	Diff. in mean	L1
Political Disc.	-1.374	0.396
Worship Attendance	0.359	0.099
Political Interest	-0.150	0.088
Political Knowledge	-0.307	0.088
Party ID (Yes=1)	-0.012	0.012
Identity (Brit=2)	0.150	0.146
English (Main Lang)	-0.174	0.174
Native Born	-0.156	0.156
Female	0.041	0.041
Age	3.384	0.0005
Education	-0.356	0.109
High Income	0.008	0.008
Med Income	-0.030	0.030
Missing Income	0.061	0.061
Black Caribbean	-0.158	0.158
Indian	0.027	0.027
Pakistani	0.088	0.088
Bangladeshi	0.028	0.028
Vote Duty	0.119	0.047
Political Efficacy	0.204	0.070
Democratic Satisfaction	0.322	0.075
Trust Parliament	0.915	0.148

Table 7: Vote in General Elections (Political Discrimination) - Imbalance before Coerced Exact Matching

Variables	Diff. in mean	L1
Societal Disc	-1.436	0.391
Worship Attendance	0.263	0.069
Political Interest	-0.326	0.149
Political Knowledge	-0.336	0.092
Party ID (Yes=1)	-0.009	0.009
Identity (Brit=2)	0.198	0.151
English (Main Lang)	-0.188	0.188
Native Born	-0.122	0.122
Female	0.043	0.043
Age	3.106	0.002
Education	-0.592	0.170
High Income	-0.033	0.033
Med Income	-0.043	0.043
Missing Income	0.097	0.097
Black Caribbean	-0.173	0.173
Indian	0.074	0.074
Pakistani	0.110	0.110
Bangladeshi	0.059	0.059
Vote Duty	0.172	0.039
Political Efficacy	0.338	0.090
Democratic Satisfaction	0.418	0.081
Trust Parliament	1.133	0.195

Table 8: Vote in Local Elections (Societal Discrimination) - Imbalance before Coerced Exact Matching

Variables	Diff. in mean	L1
Political Disc.	-1.363	0.389
Worship Attendance	0.355	0.098
Political Interest	-0.175	0.092
Political Knowledge	-0.305	0.090
Party ID (Yes=1)	-0.010	0.010
Identity (Brit=2)	0.148	0.144
English (Main Lang)	-0.176	0.176
Native Born	-0.160	0.160
Female	0.039	0.039
Age	3.015	0.001
Education	-0.344	0.108
High Income	0.008	0.008
Med Income	-0.039	0.039
Missing Income	0.072	0.072
Black Caribbean	-0.164	0.164
Indian	0.028	0.028
Pakistani	0.085	0.085
Bangladeshi	0.024	0.024
Vote Duty	0.097	0.040
Political Efficacy	0.048	0.056
Democratic Satisfaction	0.334	0.077
Trust Parliament	0.878	0.143

Table 9: Vote in Local Elections (Political Discrimination) - Imbalance before Coerced Exact Matching

Variables	Diff. in mean	L1
Societal Disc	-1.407	0.383
Worship Attendance	0.251	0.064
Political Interest	-0.330	0.148
Political Knowledge	-0.347	0.098
Party ID (Yes=1)	-0.014	0.014
Identity (Brit=2)	0.195	0.151
English (Main Lang)	-0.210	0.210
Native Born	-0.135	0.135
Female	0.036	0.036
Age	3.029	0.003
Education	-0.610	0.173
High Income	-0.035	0.035
Med Income	-0.046	0.046
Missing Income	0.095	0.095
Black Caribbean	-0.185	0.185
Indian	0.070	0.070
Pakistani	0.115	0.115
Bangladeshi	0.060	0.060
Vote Duty	0.163	0.035
Political Efficacy	0.273	0.079
Democratic Satisfaction	0.443	0.082
Trust Parliament	1.178	0.213

Table 10: Ethnic Based Engagement (Societal Discrimination) - Imbalance before Coerced Exact Matching

Variables	Diff. in mean	L1
Political Disc.	-1.378	0.396
Worship Attendance	0.366	0.101
Political Interest	-0.154	0.089
Political Knowledge	-0.290	0.083
Party ID (Yes=1)	-0.013	0.013
Identity (Brit=2)	0.150	0.143
English (Main Lang)	-0.174	0.174
Native Born	-0.159	0.159
Female	0.040	0.040
Age	3.340	0.0005
Education	-0.362	0.112
High Income	0.009	0.009
Med Income	-0.030	0.030
Missing Income	0.063	0.063
Black Caribbean	-0.156	0.156
Indian	0.028	0.028
Pakistani	0.085	0.085
Bangladeshi	0.028	0.028
Political Efficacy	0.165	0.064
Democratic Satisfaction	0.320	0.075
Trust Parliament	0.920	0.147

Table 11: Ethnic Based Engagement (Political Discrimination) - Imbalance before Coerced Exact Matching

Variables	Diff. in mean	L1
Societal Disc	-1.426	0.391
Worship Attendance	0.266	0.069
Political Interest	-0.330	0.151
Political Knowledge	-0.337	0.092
Party ID (Yes=1)	-0.013	0.013
Identity (Brit=2)	0.193	0.146
English (Main Lang)	-0.193	0.193
Native Born	-0.122	0.122
Female	0.046	0.046
Age	3.064	0.002
Education	-0.594	0.170
High Income	-0.032	0.032
Med Income	-0.043	0.043
Missing Income	0.098	0.098
Black Caribbean	-0.172	0.172
Indian	0.075	0.075
Pakistani	0.112	0.112
Bangladeshi	0.060	0.060
Political Efficacy	0.339	0.088
Democratic Satisfaction	0.419	0.080
Trust Parliament	1.140	0.201

Table 12: Vote in General Elections (Specific Measures): Coerced Exact Matching

	Vote in General Election							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Societal Disc. Binary	0.142	0.129			−0.419***	−0.414***		
	(0.318)	(0.308)			(0.149)	(0.148)		
Political Disc.	−0.011	−0.008			0.033	0.032		
	(0.126)	(0.123)			(0.044)	(0.044)		
Political Disc. Binary			0.127	0.112			0.092	0.088
			(0.343)	(0.330)			(0.156)	(0.156)
Societal Disc.			−0.196	−0.179			−0.019	−0.019
			(0.164)	(0.158)			(0.056)	(0.056)
Worship Attendance	0.254**	0.228**	0.011	0.014	0.077*	0.075*	−0.026	−0.025
	(0.115)	(0.111)	(0.111)	(0.107)	(0.041)	(0.041)	(0.044)	(0.044)
Political Interest	0.022	0.023	0.284	0.242	0.586***	0.576***	0.241***	0.236***
	(0.188)	(0.183)	(0.182)	(0.175)	(0.068)	(0.068)	(0.071)	(0.070)
Political Knowledge	0.232	0.212	0.453***	0.408**	0.088	0.087	0.219***	0.215***
	(0.150)	(0.146)	(0.172)	(0.165)	(0.066)	(0.066)	(0.067)	(0.067)
Party ID (Yes=1)	1.415***	1.274***	0.821*	0.741*	0.968***	0.952***	1.384***	1.358***
	(0.466)	(0.447)	(0.465)	(0.449)	(0.166)	(0.166)	(0.173)	(0.172)
Identity (Brit=2)	0.276	0.254	0.785**	0.700**	0.142	0.139	0.187*	0.183
	(0.273)	(0.264)	(0.312)	(0.297)	(0.109)	(0.109)	(0.114)	(0.113)
English (Main Lang)	0.001	−0.001	−0.556	−0.490	0.347**	0.341**	−0.035	−0.033
	(0.401)	(0.388)	(0.450)	(0.431)	(0.174)	(0.173)	(0.183)	(0.182)
Native Born	1.264***	1.136***	0.026	0.024	0.182	0.180	0.054	0.052
	(0.397)	(0.382)	(0.403)	(0.389)	(0.160)	(0.159)	(0.168)	(0.167)
Female	0.682**	0.611*	1.169***	1.034***	0.394***	0.387***	0.953***	0.936***
	(0.324)	(0.313)	(0.340)	(0.324)	(0.135)	(0.135)	(0.143)	(0.142)
Age	0.052***	0.047***	0.065***	0.057***	0.045***	0.044***	0.039***	0.039***
	(0.015)	(0.015)	(0.018)	(0.017)	(0.007)	(0.006)	(0.007)	(0.007)
Education	−0.208	−0.190	0.255*	0.232	−0.114**	−0.111*	−0.116**	−0.114**
	(0.142)	(0.138)	(0.154)	(0.148)	(0.057)	(0.057)	(0.057)	(0.057)
High Income	0.394	0.427	0.791	0.620	0.566	0.538	1.297***	1.254***
	(1.075)	(1.038)	(1.062)	(0.996)	(0.370)	(0.366)	(0.350)	(0.346)
Med Income	0.448	0.409	1.191**	1.050**	0.918***	0.902***	1.044***	1.024***
	(0.417)	(0.404)	(0.490)	(0.469)	(0.198)	(0.197)	(0.201)	(0.200)
Missing Income	0.484	0.437	1.324***	1.172***	0.297*	0.290*	0.402***	0.394**
	(0.352)	(0.341)	(0.385)	(0.368)	(0.153)	(0.152)	(0.156)	(0.155)
Black Caribbean	−0.914	−0.837	−0.652	−0.559	−0.457**	−0.448**	−0.073	−0.070
	(0.611)	(0.592)	(0.532)	(0.513)	(0.212)	(0.211)	(0.214)	(0.213)
Indian	0.039	0.045	−0.318	−0.274	0.376*	0.368*	0.367*	0.359
	(0.517)	(0.503)	(0.546)	(0.528)	(0.224)	(0.223)	(0.220)	(0.219)
Pakistani	0.673	0.617	0.879	0.772	0.626***	0.616***	0.872***	0.856***
	(0.486)	(0.473)	(0.541)	(0.519)	(0.220)	(0.219)	(0.224)	(0.222)
Bangladeshi	1.724***	1.545**	1.336*	1.181*	1.231***	1.202***	1.235***	1.203***
	(0.665)	(0.638)	(0.718)	(0.684)	(0.318)	(0.316)	(0.334)	(0.331)
Vote Duty	1.001***	0.901***	0.377*	0.333*				
	(0.211)	(0.202)	(0.203)	(0.197)				
Political Efficacy	0.084	0.076	0.090	0.080				
	(0.066)	(0.064)	(0.075)	(0.071)				
Democratic Satisfaction	−0.096	−0.087	−0.422	−0.378				
	(0.230)	(0.224)	(0.285)	(0.273)				
Trust Parliament	−0.159**	−0.144*	0.007	0.007				
	(0.079)	(0.076)	(0.079)	(0.076)				
Constant	−8.360***	−7.528***	−7.614***	−6.768***	−4.050***	−3.976***	−3.824***	−3.752***
	(1.415)	(1.345)	(1.373)	(1.301)	(0.471)	(0.468)	(0.485)	(0.481)
N	2,102	2,102	2,102	2,102	2,387	2,387	2,387	2,387
Log Likelihood	−138.683	−139.332	−137.163	−137.736	−660.321	−660.429	−638.669	−638.768
AIC	325.365	326.664	322.325	323.473	1,360.642	1,360.858	1,317.338	1,317.535

*$p < .1$; **$p < .05$; ***$p < .01$

Note: Models 1, 3, 5 and 7 were estimated using conventional logit modeling, while models 2, 4, 6 and 8 were estimated using Penalized Maximum Likelihood estimator suggested by Rainey and McCaskey (2021).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				Vote in Local Election				
Societal Disc. Binary	−0.066	−0.058			−0.409***	−0.403***		
	(0.331)	(0.320)			(0.153)	(0.152)		
Political Disc.	−0.130	−0.113			0.021	0.021		
	(0.137)	(0.132)			(0.045)	(0.044)		
Political Disc. Binary			−0.316	−0.280			−0.073	−0.073
			(0.349)	(0.336)			(0.156)	(0.155)
Societal Disc.			−0.046	−0.045			−0.022	−0.022
			(0.192)	(0.185)			(0.057)	(0.057)
Worship Attendance	0.234*	0.207*	−0.007	−0.003	0.142***	0.139***	0.042	0.041
	(0.125)	(0.120)	(0.111)	(0.107)	(0.042)	(0.042)	(0.044)	(0.044)
Political Interest	0.269	0.241	0.513***	0.443**	0.536***	0.527***	0.208***	0.203***
	(0.204)	(0.197)	(0.193)	(0.185)	(0.069)	(0.069)	(0.071)	(0.071)
Political Knowledge	0.086	0.079	0.375**	0.334*	0.148**	0.146**	0.145**	0.143**
	(0.162)	(0.157)	(0.179)	(0.171)	(0.067)	(0.066)	(0.066)	(0.065)
Party ID (Yes=1)	1.371***	1.225***	0.543	0.489	0.822***	0.808***	1.557***	1.524***
	(0.487)	(0.465)	(0.458)	(0.444)	(0.170)	(0.169)	(0.185)	(0.184)
Identity (Brit=2)	0.301	0.271	0.579*	0.518*	0.302***	0.297***	0.096	0.094
	(0.295)	(0.285)	(0.314)	(0.301)	(0.113)	(0.112)	(0.115)	(0.115)
English (Main Lang)	0.209	0.189	−0.280	−0.245	0.616***	0.606***	0.235	0.231
	(0.419)	(0.404)	(0.446)	(0.431)	(0.176)	(0.175)	(0.184)	(0.183)
Native Born	1.164***	1.036***	−0.285	−0.249	−0.074	−0.073	0.114	0.111
	(0.403)	(0.389)	(0.391)	(0.379)	(0.164)	(0.164)	(0.166)	(0.165)
Female	0.363	0.322	0.913***	0.804**	0.357***	0.350**	0.526***	0.516***
	(0.332)	(0.321)	(0.339)	(0.325)	(0.137)	(0.136)	(0.141)	(0.141)
Age	0.069***	0.061***	0.057***	0.050***	0.044***	0.043***	0.053***	0.052***
	(0.017)	(0.016)	(0.018)	(0.018)	(0.006)	(0.006)	(0.007)	(0.007)
Education	−0.255*	−0.228	0.006	0.011	−0.087	−0.085	−0.060	−0.058
	(0.151)	(0.146)	(0.158)	(0.153)	(0.056)	(0.055)	(0.057)	(0.057)
High Income	0.034	0.091	0.201	0.144	0.462	0.442	1.279***	1.241***
	(1.057)	(1.028)	(1.054)	(0.995)	(0.357)	(0.354)	(0.337)	(0.333)
Med Income	−0.002	0.006	0.869*	0.763*	0.615***	0.605***	0.992***	0.974***
	(0.433)	(0.419)	(0.481)	(0.464)	(0.191)	(0.190)	(0.201)	(0.200)
Missing Income	0.044	0.034	0.600	0.532	0.125	0.122	0.222	0.217
	(0.370)	(0.359)	(0.384)	(0.370)	(0.155)	(0.154)	(0.160)	(0.159)
Black Caribbean	0.043	0.025	−0.470	−0.403	0.113	0.112	−0.356	−0.350
	(0.669)	(0.643)	(0.543)	(0.524)	(0.211)	(0.210)	(0.217)	(0.216)
Indian	0.205	0.189	−0.024	−0.007	0.319	0.313	−0.021	−0.021
	(0.541)	(0.523)	(0.541)	(0.526)	(0.218)	(0.217)	(0.225)	(0.224)
Pakistani	1.241**	1.122**	1.673***	1.469***	0.926***	0.909***	1.004***	0.985***
	(0.530)	(0.512)	(0.570)	(0.543)	(0.227)	(0.226)	(0.230)	(0.228)
Bangladeshi	1.704***	1.525**	1.493**	1.322**	1.592***	1.556***	1.483***	1.445***
	(0.661)	(0.635)	(0.681)	(0.651)	(0.320)	(0.318)	(0.337)	(0.334)
Vote Duty	0.710***	0.634***	0.173	0.151				
	(0.214)	(0.206)	(0.209)	(0.202)				
Political Efficacy	0.073	0.064	0.152*	0.135*				
	(0.070)	(0.068)	(0.078)	(0.074)				
Democratic Satisfaction	0.082	0.071	−0.319	−0.286				
	(0.237)	(0.229)	(0.288)	(0.277)				
Trust Parliament	−0.065	−0.058	0.084	0.074				
	(0.083)	(0.080)	(0.080)	(0.077)				
Constant	−8.327***	−7.430***	−6.322***	−5.594***	−4.806***	−4.716***	−4.473***	−4.385***
	(1.456)	(1.378)	(1.359)	(1.294)	(0.482)	(0.478)	(0.494)	(0.491)
N	1,979	1,979	1,979	1,979	2,246	2,246	2,246	2,246
Log Likelihood	−133.105	−133.437	−131.737	−132.463	−665.215	−665.246	−625.130	−625.259
AIC	314.211	314.875	311.474	312.927	1,370.431	1,370.492	1,290.260	1,290.517

*p < .1; **p < .05; ***p < .01

Note: Models 1, 3, 5 and 7 were estimated using conventional logit modeling, while models 2, 4, 6 and 8 were estimated using Penalized Maximum Likelihood estimator suggested by Rainey and McCaskey (2021).

Table 14: Ethnic-Based Engagement (Specific Measures) - Coerced Exact Matching

				Ethnic-Based Participation				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Societal Disc. Binary	0.140	0.134			0.097	0.097		
	(0.233)	(0.231)			(0.140)	(0.140)		
Political Disc.	0.249***	0.234**			0.155***	0.153***		
	(0.093)	(0.093)			(0.042)	(0.042)		
Political Disc. Binary			0.545**	0.518**			0.130	0.130
			(0.250)	(0.246)			(0.146)	(0.145)
Societal Disc.			0.149	0.143			0.285***	0.280***
			(0.120)	(0.118)			(0.053)	(0.052)
Worship Attendance	0.109	0.103	0.094	0.088	0.192***	0.189***	0.325***	0.320***
	(0.078)	(0.077)	(0.084)	(0.082)	(0.039)	(0.039)	(0.044)	(0.044)
Political Interest	0.005	0.004	0.372***	0.349***	0.270***	0.265***	0.260***	0.255***
	(0.123)	(0.122)	(0.130)	(0.127)	(0.061)	(0.061)	(0.068)	(0.068)
Political Knowledge	0.324***	0.304***	0.252*	0.235*	0.191***	0.188***	0.224***	0.219***
	(0.120)	(0.118)	(0.133)	(0.130)	(0.064)	(0.063)	(0.068)	(0.067)
Party ID (Yes=1)	0.379	0.348	0.870**	0.794**	0.489***	0.478***	0.471**	0.459**
	(0.338)	(0.332)	(0.402)	(0.388)	(0.181)	(0.180)	(0.191)	(0.190)
Identity (Brit=2)	0.069	0.067	−0.213	−0.199	−0.229**	−0.225**	−0.348***	−0.341***
	(0.198)	(0.196)	(0.210)	(0.206)	(0.101)	(0.100)	(0.107)	(0.107)
English (Main Lang)	−0.050	−0.050	−0.747**	−0.701**	−0.317**	−0.312**	−0.053	−0.053
	(0.296)	(0.292)	(0.323)	(0.317)	(0.158)	(0.158)	(0.173)	(0.172)
Native Born	0.465	0.437	0.249	0.232	0.835***	0.822***	0.748***	0.736***
	(0.291)	(0.287)	(0.309)	(0.304)	(0.153)	(0.152)	(0.161)	(0.160)
Female	−0.095	−0.089	0.228	0.216	−0.365***	−0.360***	0.120	0.117
	(0.228)	(0.226)	(0.247)	(0.243)	(0.125)	(0.125)	(0.132)	(0.132)
Age	0.011	0.010	−0.003	−0.003	0.025***	0.025***	−0.008	−0.008
	(0.010)	(0.010)	(0.012)	(0.012)	(0.006)	(0.006)	(0.006)	(0.006)
Education	0.036	0.032	0.054	0.048	0.071	0.070	−0.001	−0.001
	(0.107)	(0.105)	(0.111)	(0.109)	(0.051)	(0.051)	(0.055)	(0.055)
High Income	−0.175	−0.106	−0.713	−0.540	−0.036	−0.026	0.438	0.434
	(0.774)	(0.763)	(0.834)	(0.785)	(0.319)	(0.318)	(0.273)	(0.272)
Med Income	−0.060	−0.054	0.268	0.254	0.015	0.016	0.040	0.040
	(0.307)	(0.305)	(0.319)	(0.315)	(0.165)	(0.164)	(0.172)	(0.172)
Missing Income	−0.216	−0.204	−0.317	−0.298	−0.267*	−0.263*	−0.460***	−0.452***
	(0.261)	(0.258)	(0.283)	(0.277)	(0.149)	(0.148)	(0.157)	(0.156)
Black Caribbean	0.026	0.018	0.081	0.065	−0.132	−0.132	−0.061	−0.062
	(0.403)	(0.399)	(0.402)	(0.396)	(0.200)	(0.200)	(0.203)	(0.202)
Indian	−0.194	−0.188	0.742*	0.696*	0.312	0.307	0.391*	0.384*
	(0.389)	(0.385)	(0.389)	(0.383)	(0.203)	(0.202)	(0.203)	(0.202)
Pakistani	−0.484	−0.463	−0.705*	−0.654	−0.108	−0.106	−0.621***	−0.610***
	(0.369)	(0.365)	(0.413)	(0.403)	(0.206)	(0.206)	(0.215)	(0.214)
Bangladeshi	−0.723	−0.671	−0.461	−0.400	−0.201	−0.191	−0.338	−0.325
	(0.504)	(0.495)	(0.568)	(0.550)	(0.292)	(0.291)	(0.302)	(0.300)
Political Efficacy	0.057	0.054	0.075	0.071				
	(0.047)	(0.046)	(0.050)	(0.049)				
Democratic Satisfaction	−0.123	−0.118	0.336*	0.313*				
	(0.170)	(0.169)	(0.189)	(0.186)				
Trust Parliament	0.119**	0.112**	−0.082	−0.077				
	(0.056)	(0.055)	(0.055)	(0.054)				
Constant	−3.385***	−3.171***	−3.875***	−3.617***	−3.830***	−3.765***	−3.258***	−3.197***
	(0.874)	(0.859)	(0.931)	(0.907)	(0.446)	(0.444)	(0.456)	(0.454)
N	2,133	2,133	2,133	2,133	2,415	2,415	2,415	2,415
Log Likelihood	−244.427	−244.536	−214.066	−214.479	−783.708	−783.706	−721.568	−721.730
AIC	534.855	535.072	474.132	474.958	1,607.416	1,607.413	1,483.136	1,483.459

*p < .1; **p < .05; ***p < .01

Note: Models 1, 3, 5 and 7 were estimated using conventional logit modeling, while models 2, 4, 6 and 8 were estimated using Penalized Maximum Likelihood estimator suggested by Rainey and McCaskey (2021).
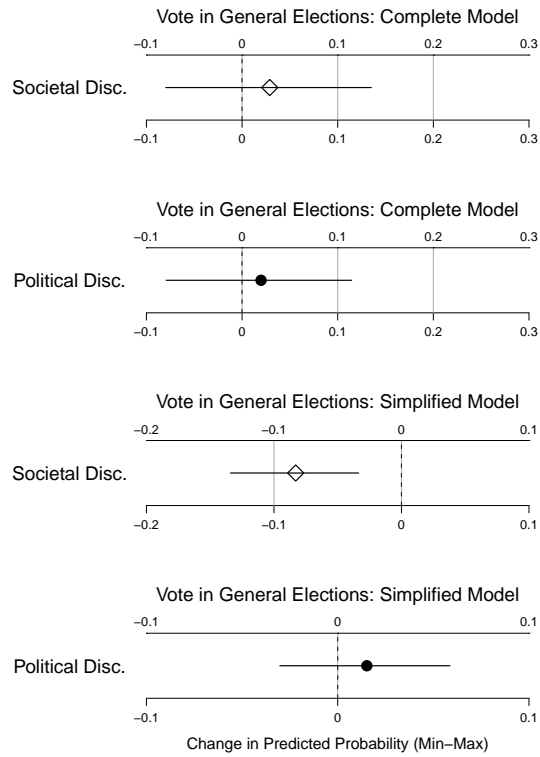
Figure 2: Vote in General Elections: Predicted Probabilities for Specific Measures (Political and Societal Discrimination) after Coerced Exact Matching
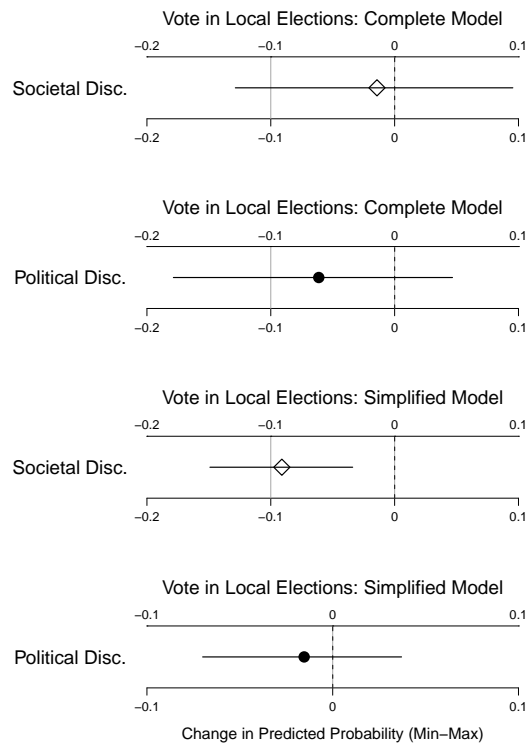
Figure 3: Vote in Local Elections: Predicted Probabilities for Specific Measures (Political and Societal Discrimination) after Coerced Exact Matching
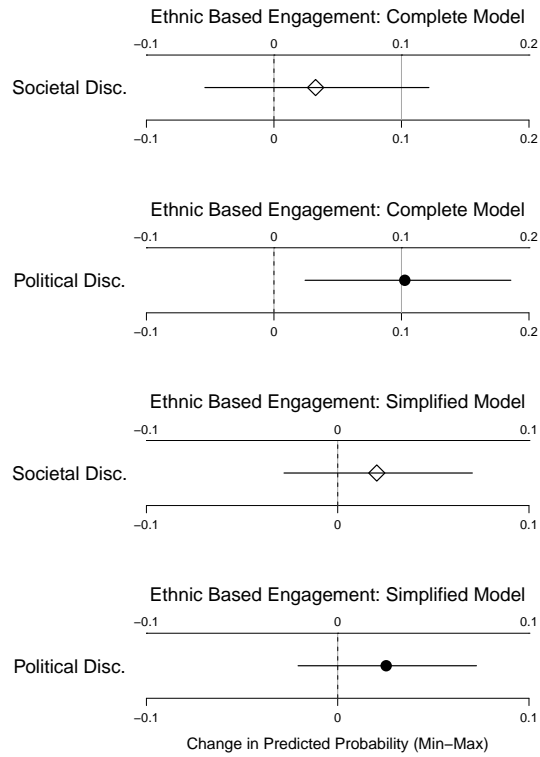
Figure 4: Ethnic Based Engagement: Predicted Probabilities for Specific Measures (Political and Societal Discrimination) after Coerced Exact Matching

(5) Study 1: Propensity Score Matching Results

Balance Checks

Table 15: Vote in General Elections (Societal Discrimination): CDF Comparison - Complete Model)

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Logit
Distance	0.002	0.002	0.017	0.017	0.017	0.017
Political Discrimination	0.020	0.019	0.062	0.063	0.065	0.064
Worship Attendance	0.023	0.034	0.018	0.021	0.010	0.041
Political Interest	0.021	0.024	0.016	0.019	0.016	0.022
Political Knowledge	0.022	0.023	0.025	0.023	0.023	0.023
Party ID	0.027	0.038	0.017	0.040	0.011	0.032
Identity	0.028	0.033	0.032	0.045	0.033	0.047
English (Main Lang)	0.001	0.017	0.023	0.032	0.014	0.003
Native Born	0.054	0.036	0.032	0.055	0.032	0.043
Female	0.048	0.036	0.040	0.040	0.020	0.029
Age	0.011	0.012	0.010	0.009	0.011	0.010
Education	0.035	0.023	0.023	0.014	0.029	0.019
High Income	0.0002	0.008	0.023	0.006	0.011	0.020
Med Income	0.022	0.022	0.003	0.034	0.014	0.023
Missing Income	0.020	0.026	0.011	0.011	0.014	0.003
Black Caribbean	0.036	0.038	0.017	0.034	0.014	0.023
Indian	0.024	0.001	0.032	0.029	0.043	0.034
Pakistani	0.021	0.032	0.037	0.032	0.043	0.034
Bangladeshi	0.003	0.015	0.009	0.024	0.011	0.023
Vote Duty	0.022	0.017	0.018	0.011	0.022	0.034
Political Efficacy	0.017	0.016	0.018	0.020	0.007	0.034
Democratic Satisfaction	0.015	0.012	0.011	0.020	0.014	0.034
Trust Parliament	0.042	0.041	0.022	0.020	0.016	0.013

Results Presented as Risk Ratios for Simplified Models

Results Presented as Odds Ratios for All Models

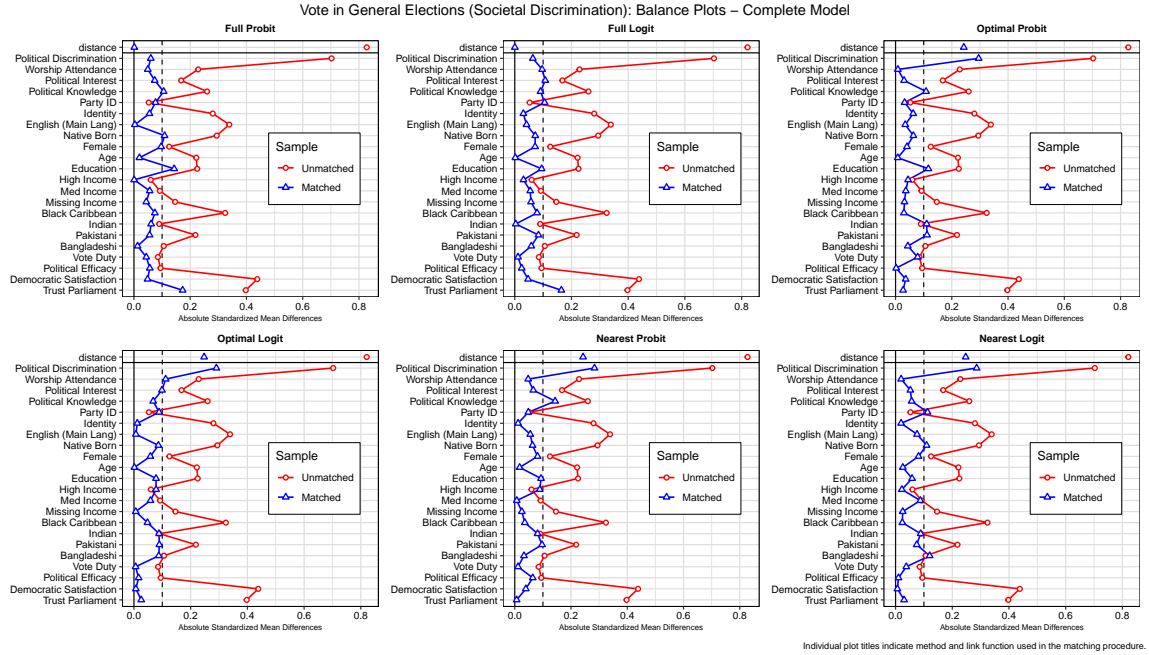**Figure 5:** Vote in General Elections (Societal Discrimination): Balance Plots - Complete Model

Vote in General Elections (Societal Discrimination): Balance Plots – Complete Model

Individual plot titles indicate method and link function used in the matching procedure.

Table 16: Vote in General Elections (Political Discrimination): CDF Comparison - Complete Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.028	0.029	0.029	0.029
Societal Discrimination	0.020	0.027	0.101	0.105	0.105	0.106
Worship Attendance	0.009	0.010	0.014	0.013	0.011	0.013
Political Interest	0.010	0.026	0.016	0.012	0.008	0.007
Political Knowledge	0.015	0.015	0.018	0.015	0.018	0.016
Party ID	0.039	0.020	0.025	0.033	0.028	0.019
Identity	0.018	0.011	0.010	0.019	0.006	0.008
English (Main Lang)	0.019	0.001	0.008	0.003	0.008	0.014
Native Born	0.017	0.006	0.025	0.031	0.039	0.036
Female	0.056	0.062	0.008	0.022	0.022	0.011
Age	0.014	0.024	0.018	0.014	0.019	0.017
Education	0.018	0.025	0.011	0.018	0.007	0.014
High Income	0.005	0.004	0.008	0.003	0.003	0.003
Med Income	0.038	0.043	0.003	0.003	0.017	0.008
Missing Income	0.020	0.009	0.003	0.003	0.006	0.017
Black Caribbean	0.022	0.010	0.006	0.019	0.025	0.022
Indian	0.024	0.010	0.036	0.042	0.011	0.006
Pakistani	0.025	0.009	0.019	0.014	0.019	0.028
Bangladeshi	0.019	0.017	0.030	0.019	0.021	0.015
Vote Duty	0.016	0.014	0.016	0.016	0.021	0.027
Political Efficacy	0.026	0.018	0.013	0.010	0.019	0.015
Democratic Satisfaction	0.015	0.020	0.011	0.008	0.021	0.016
Trust Parliament	0.042	0.014	0.016	0.019	0.020	0.013

Figure 6: Vote in General Elections (Political Discrimination): Balance Plots - Complete Model

Vote in General Elections (Political Discrimination): Balance Plots – Complete Model
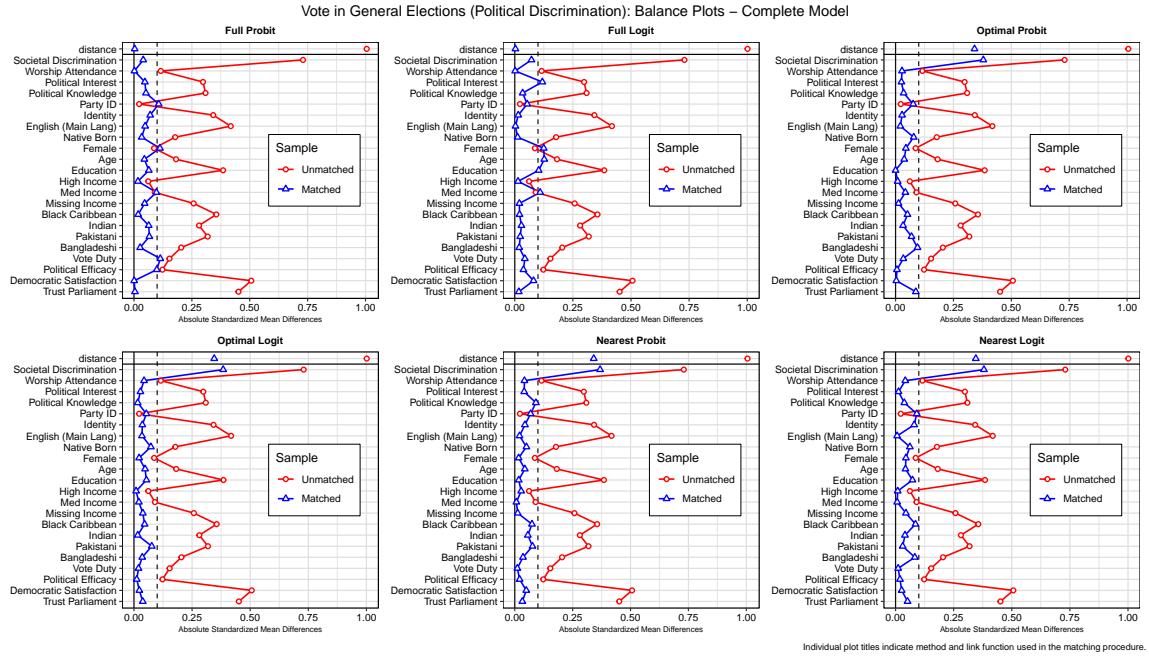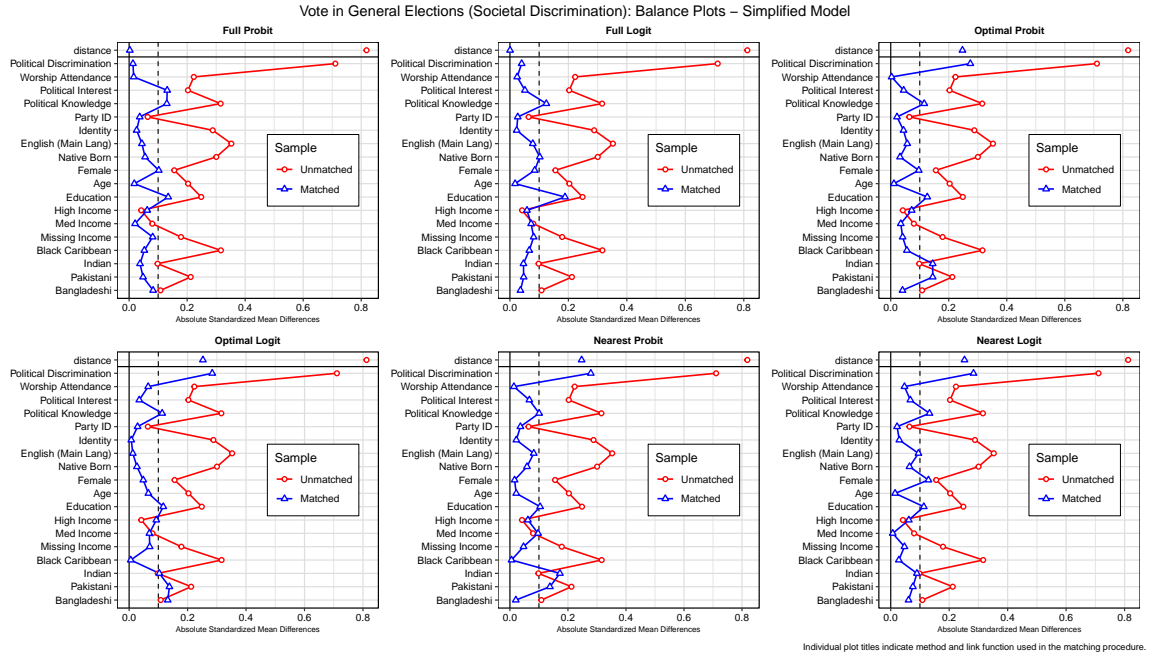
Table 17: Vote in General Elections (Societal Discrimination): CDF Comparison - Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.015	0.016	0.016	0.016
Political Discrimination	0.015	0.020	0.060	0.061	0.059	0.062
Worship Attendance	0.022	0.021	0.012	0.017	0.017	0.022
Political Interest	0.028	0.020	0.016	0.026	0.018	0.019
Political Knowledge	0.024	0.025	0.024	0.028	0.022	0.028
Party ID	0.013	0.010	0.013	0.008	0.008	0.011
Identity	0.039	0.030	0.037	0.037	0.036	0.030
English (Main Lang)	0.019	0.033	0.035	0.040	0.024	0.005
Native Born	0.027	0.051	0.029	0.032	0.016	0.013
Female	0.051	0.042	0.008	0.064	0.048	0.024
Age	0.021	0.017	0.013	0.018	0.013	0.019
Education	0.033	0.046	0.025	0.028	0.031	0.029
High Income	0.016	0.015	0.016	0.016	0.019	0.024
Med Income	0.008	0.028	0.037	0.003	0.013	0.027
Missing Income	0.037	0.037	0.021	0.021	0.019	0.032
Black Caribbean	0.025	0.032	0.003	0.013	0.027	0.003
Indian	0.015	0.018	0.067	0.035	0.056	0.040
Pakistani	0.019	0.018	0.053	0.029	0.056	0.053
Bangladeshi	0.022	0.009	0.005	0.016	0.011	0.035

Figure 7: Vote in General Elections (Societal Discrimination): Balance Plots - Simplified Model

Vote in General Elections (Societal Discrimination): Balance Plots – Simplified Model

Table 18: Vote in General Elections (Political Discrimination): CDF Comparison - Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.001	0.001	0.024	0.024	0.025	0.025
Societal Discrimination	0.017	0.017	0.097	0.103	0.098	0.101
Worship Attendance	0.026	0.007	0.010	0.009	0.004	0.014
Political Interest	0.018	0.007	0.017	0.023	0.011	0.021
Political Knowledge	0.025	0.015	0.015	0.021	0.016	0.020
Party ID	0.007	0.002	0.003	0.018	0.008	0.026
Identity	0.012	0.010	0.011	0.003	0.023	0.005
English (Main Lang)	0.011	0.011	0.013	0.016	0.023	0.005
Native Born	0.007	0.002	0.013	0.010	0.003	0.005
Female	0.031	0.024	0	0.021	0.003	0.018
Age	0.018	0.023	0.019	0.020	0.017	0.017
Education	0.018	0.013	0.015	0.020	0.027	0.025
High Income	0.005	0.034	0.016	0.021	0.018	0.036
Med Income	0.001	0.014	0.010	0.005	0.003	0.005
Missing Income	0.004	0.022	0.010	0.005	0.023	0.029
Black Caribbean	0.019	0.017	0.034	0.029	0.036	0.034
Indian	0.049	0.008	0.005	0.013	0.005	0.010
Pakistani	0.025	0.0002	0.016	0.021	0.013	0.047
Bangladeshi	0.003	0.002	0.005	0.010	0.010	0.036

Figure 8: Vote in General Elections (Political Discrimination): Balance Plots - Simplified Modell

Vote in General Elections (Political Discrimination): Balance Plots – Simplified Model

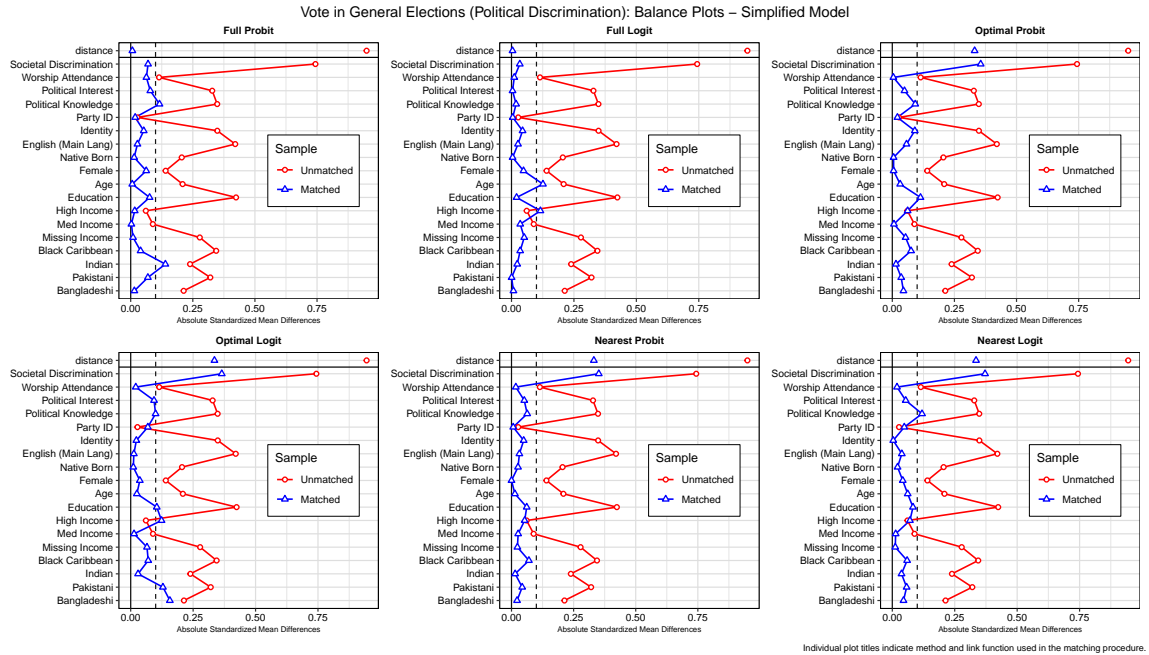Individual plot titles indicate method and link function used in the matching procedure.
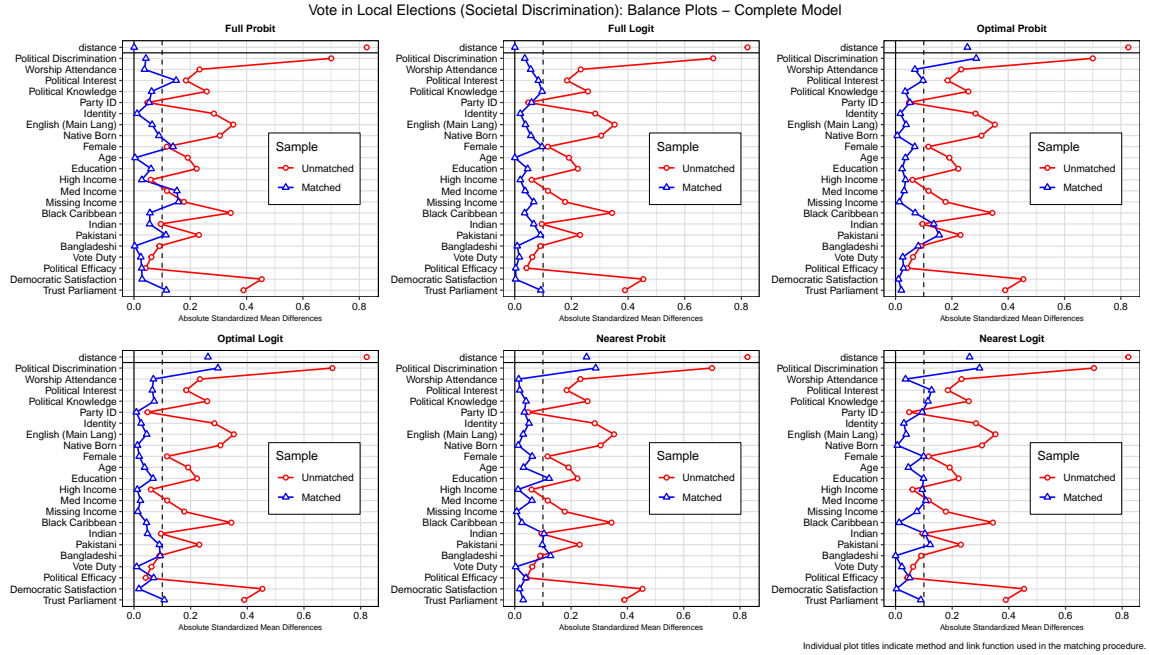
Table 19: Vote in Local Elections (Societal Discrimination): CDF Comparison - Complete Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.018	0.018	0.018	0.019
Political Discrimination	0.014	0.020	0.063	0.066	0.063	0.066
Worship Attendance	0.012	0.022	0.012	0.022	0.026	0.024
Political Interest	0.035	0.027	0.018	0.026	0.020	0.022
Political Knowledge	0.025	0.026	0.024	0.028	0.023	0.018
Party ID	0.019	0.021	0.012	0.034	0.018	0.003
Identity	0.042	0.040	0.039	0.026	0.039	0.041
English (Main Lang)	0.026	0.016	0.012	0.015	0.015	0.018
Native Born	0.044	0.028	0.006	0.003	0.003	0.006
Female	0.069	0.048	0.031	0.049	0.034	0.009
Age	0.015	0.009	0.009	0.016	0.017	0.013
Education	0.015	0.011	0.030	0.024	0.010	0.016
High Income	0.007	0.005	0.003	0.025	0.009	0.003
Med Income	0.061	0.015	0.025	0.043	0.012	0.009
Missing Income	0.071	0.030	0.003	0.034	0.006	0.006
Black Caribbean	0.028	0.017	0.012	0.006	0.034	0.022
Indian	0.021	0.026	0.040	0.040	0.052	0.018
Pakistani	0.043	0.034	0.037	0.046	0.058	0.034
Bangladeshi	0.001	0.002	0.034	0	0.022	0.025
Vote Duty	0.023	0.024	0.022	0.017	0.025	0.023
Political Efficacy	0.015	0.010	0.013	0.016	0.013	0.020
Democratic Satisfaction	0.014	0.017	0.021	0.018	0.022	0.021
Trust Parliament	0.029	0.025	0.017	0.029	0.015	0.028

Figure 9: Vote in Local Elections (Societal Discrimination): Balance Plots - Complete Model

Vote in Local Elections (Societal Discrimination): Balance Plots – Complete Model

Table 20: Vote in Local Elections (Political Discrimination): CDF Comparison - Complete Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.029	0.029	0.029	0.030
Societal Discrimination	0.026	0.021	0.102	0.106	0.104	0.106
Worship Attendance	0.021	0.015	0.010	0.010	0.017	0.012
Political Interest	0.021	0.013	0.014	0.010	0.009	0.012
Political Knowledge	0.017	0.020	0.012	0.016	0.019	0.013
Party ID	0.032	0.027	0.021	0.018	0.032	0.015
Identity	0.006	0.018	0.020	0.006	0.021	0.016
English (Main Lang)	0.017	0.001	0.012	0.018	0.012	0.012
Native Born	0.014	0.030	0.044	0.065	0.032	0.053
Female	0.062	0.031	0.003	0.032	0.012	0.032
Age	0.019	0.017	0.017	0.021	0.025	0.022
Education	0.013	0.022	0.014	0.013	0.010	0.019
High Income	0.005	0.012	0.006	0.012	0.003	0.012
Med Income	0.010	0.034	0.003	0.024	0.006	0.015
Missing Income	0.028	0.011	0.012	0.009	0.006	0.003
Black Caribbean	0.047	0.010	0.047	0.050	0.026	0.038
Indian	0.0005	0.007	0.006	0.003	0.021	0
Pakistani	0.020	0.036	0.018	0.035	0.029	0.029
Bangladeshi	0.014	0.015	0.003	0.021	0.029	0.029
Vote Duty	0.019	0.017	0.011	0.008	0.009	0.009
Political Efficacy	0.019	0.021	0.010	0.008	0.008	0.009
Democratic Satisfaction	0.024	0.030	0.030	0.021	0.023	0.018
Trust Parliament	0.018	0.017	0.014	0.016	0.016	0.013

Figure 10: Vote in Local Elections (Political Discrimination): Balance Plots -
Complete Model

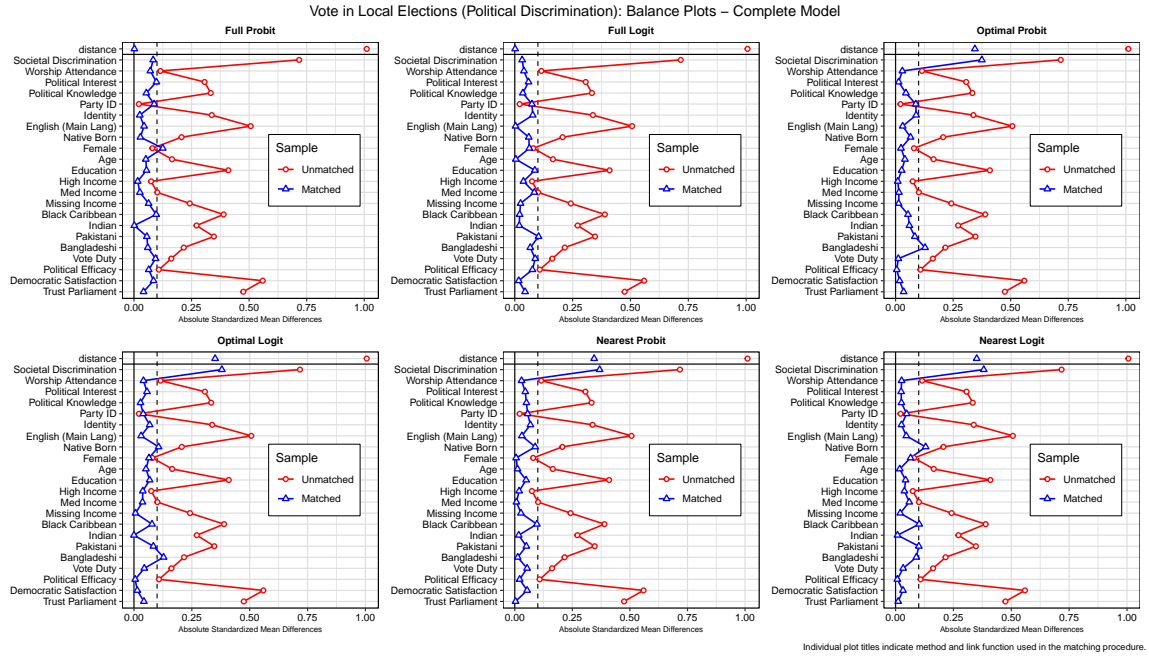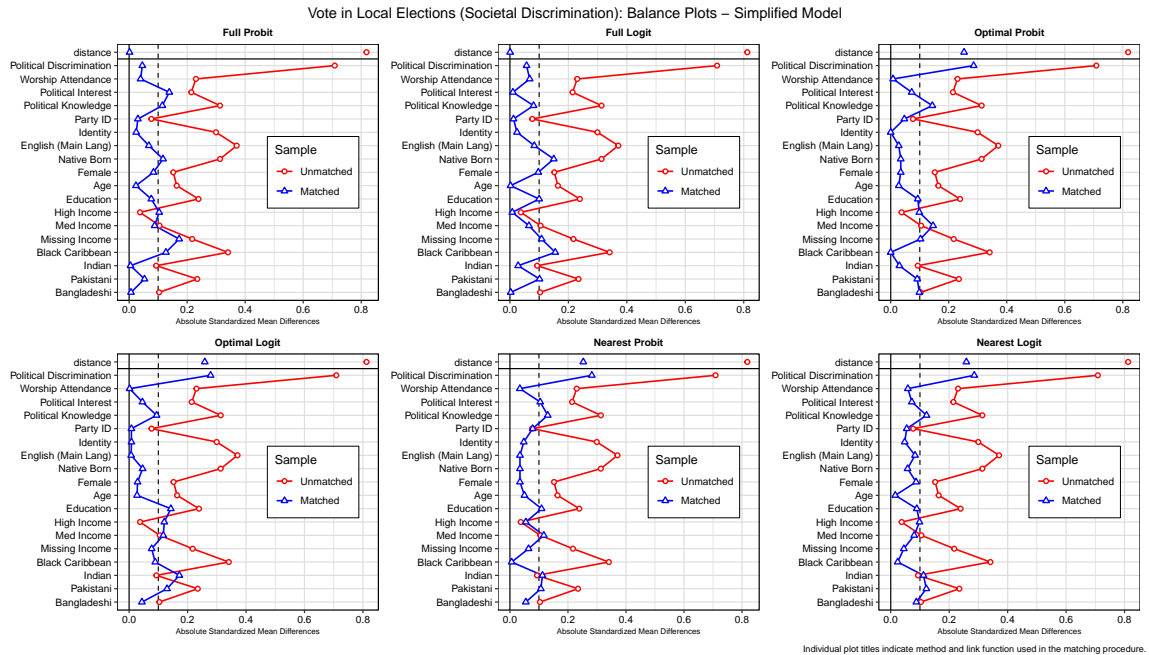Vote in Local Elections (Political Discrimination): Balance Plots – Complete Model

Table 21: Vote in Local Elections (Societal Discrimination): CDF Comparison -
Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.015	0.016	0.016	0.016
Political Discrimination	0.017	0.018	0.061	0.062	0.062	0.060
Worship Attendance	0.026	0.032	0.018	0.020	0.017	0.009
Political Interest	0.032	0.027	0.022	0.016	0.016	0.013
Political Knowledge	0.021	0.018	0.026	0.026	0.028	0.022
Party ID	0.011	0.005	0.029	0.020	0.017	0.003
Identity	0.033	0.040	0.042	0.038	0.029	0.029
English (Main Lang)	0.028	0.035	0.014	0.035	0.012	0.003
Native Born	0.058	0.075	0.017	0.029	0.017	0.023
Female	0.042	0.048	0.017	0.043	0.017	0.014
Age	0.017	0.012	0.018	0.013	0.015	0.015
Education	0.022	0.024	0.026	0.022	0.023	0.035
High Income	0.027	0.002	0.014	0.026	0.026	0.032
Med Income	0.035	0.026	0.046	0.032	0.058	0.046
Missing Income	0.077	0.049	0.029	0.020	0.046	0.035
Black Caribbean	0.061	0.075	0.003	0.012	0	0.043
Indian	0.002	0.011	0.043	0.043	0.012	0.066
Pakistani	0.020	0.038	0.040	0.046	0.035	0.049
Bangladeshi	0.002	0.001	0.014	0.023	0.026	0.012

Figure 11: Vote in Local Elections (Societal Discrimination): Balance Plots - Simplified Model

Vote in Local Elections (Societal Discrimination): Balance Plots – Simplified Model

Table 22: Vote in Local Elections (Political Discrimination): CDF Comparison - Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.024	0.024	0.024	0.025
Societal Discrimination	0.022	0.024	0.098	0.095	0.097	0.098
Worship Attendance	0.011	0.009	0.008	0.008	0.018	0.009
Political Interest	0.022	0.013	0.015	0.014	0.022	0.017
Political Knowledge	0.019	0.015	0.015	0.017	0.017	0.015
Party ID	0.017	0.011	0.033	0.014	0.022	0.003
Identity	0.027	0.014	0.013	0.017	0.012	0.012
English (Main Lang)	0.016	0.002	0	0.008	0.008	0.028
Native Born	0.039	0.014	0	0.036	0.030	0.041
Female	0.028	0.003	0.036	0.017	0.006	0.011
Age	0.019	0.021	0.019	0.021	0.021	0.017
Education	0.026	0.015	0.014	0.013	0.023	0.021
High Income	0.007	0.040	0.014	0.025	0.014	0.047
Med Income	0.020	0.010	0.006	0	0	0.011
Missing Income	0.008	0.044	0.003	0.008	0.014	0
Black Caribbean	0.006	0.033	0.022	0.008	0.036	0.019
Indian	0.059	0.013	0.011	0.011	0.017	0.014
Pakistani	0.027	0.010	0.025	0.014	0.033	0.030
Bangladeshi	0.009	0.009	0	0.003	0.019	0.008

Figure 12: Vote in Local Elections (Political Discrimination): Balance Plots - Simplified Model

Vote in Local Elections (Political Discrimination): Balance Plots – Simplified Model

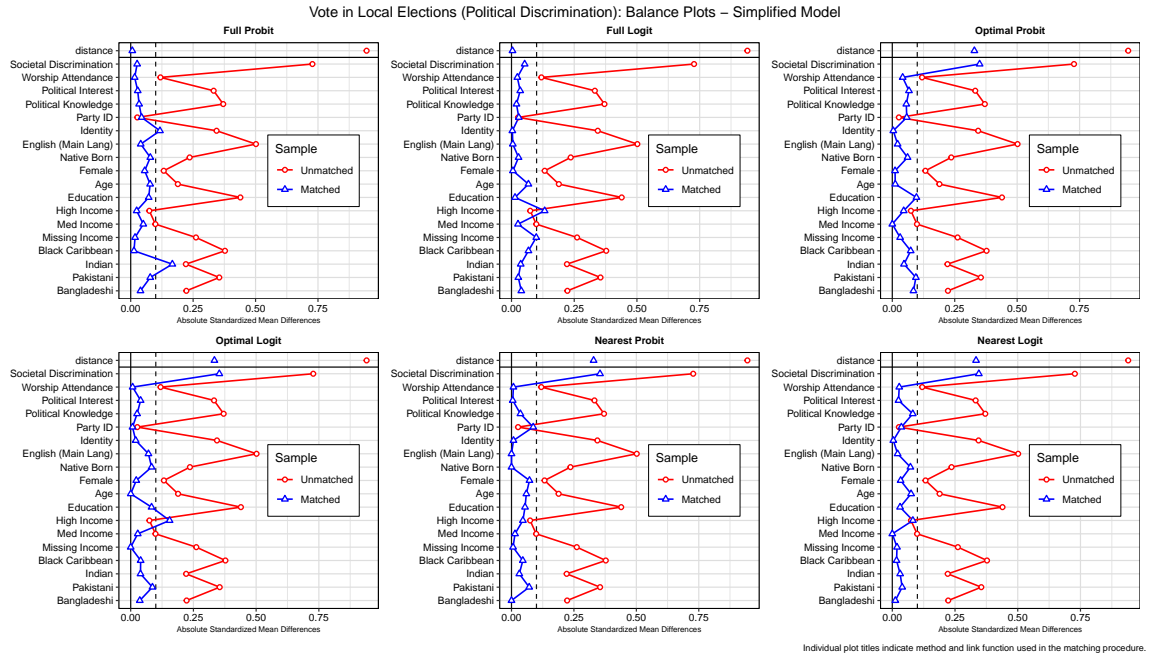Individual plot titles indicate method and link function used in the matching procedure.
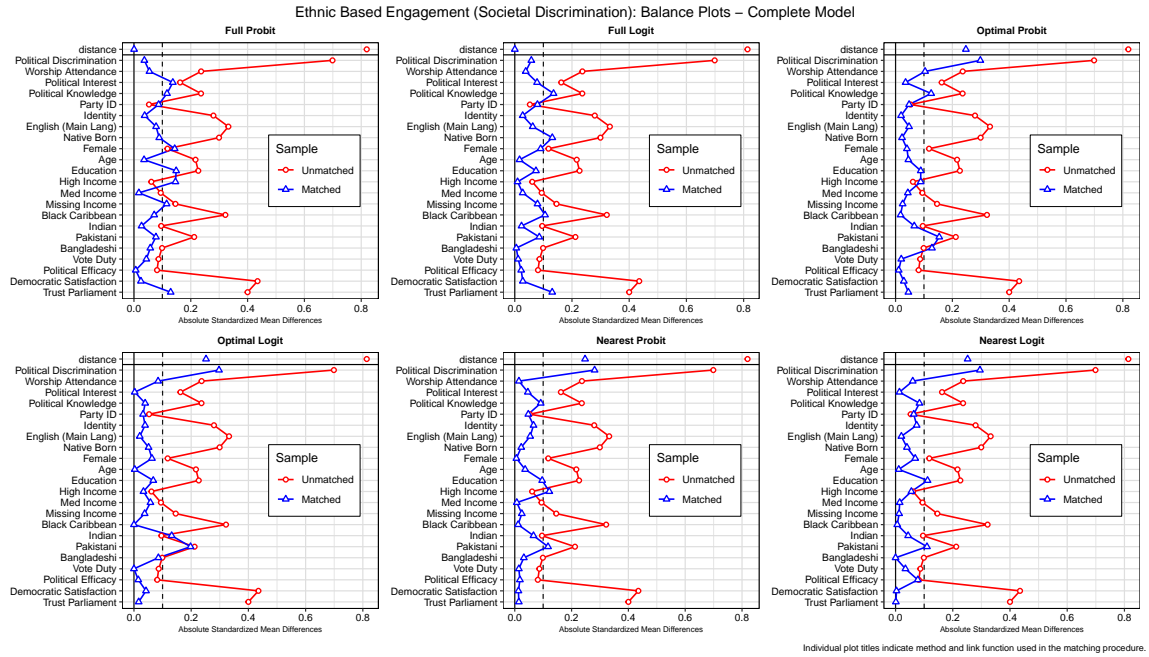
Table 23: Ethnic Based Engagement (Societal Discrimination): CDF Comparison - Complete Models

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.017	0.017	0.017	0.017
Political Discrimination	0.018	0.020	0.062	0.065	0.066	0.066
Worship Attendance	0.026	0.024	0.011	0.023	0.034	0.027
Political Interest	0.029	0.022	0.015	0.014	0.020	0.021
Political Knowledge	0.022	0.025	0.024	0.017	0.025	0.019
Party ID	0.031	0.028	0.017	0.023	0.017	0.011
Identity	0.025	0.033	0.027	0.031	0.041	0.036
English (Main Lang)	0.033	0.026	0.023	0.009	0.020	0.009
Native Born	0.044	0.066	0.011	0.020	0.011	0.026
Female	0.071	0.045	0.003	0.034	0.020	0.031
Age	0.018	0.010	0.011	0.007	0.011	0.008
Education	0.036	0.018	0.024	0.027	0.022	0.018
High Income	0.038	0.003	0.031	0.014	0.023	0.009
Med Income	0.007	0.011	0.003	0.006	0.017	0.023
Missing Income	0.052	0.036	0.011	0.006	0.011	0.017
Black Caribbean	0.034	0.051	0.006	0.003	0.009	0
Indian	0.010	0.009	0.026	0.017	0.026	0.051
Pakistani	0.030	0.033	0.045	0.043	0.060	0.077
Bangladeshi	0.015	0.001	0.009	0	0.034	0.023
Vote Duty	0.021	0.027	0.018	0.024	0.013	0.025
Political Efficacy	0.009	0.011	0.009	0.020	0.012	0.010
Democratic Satisfaction	0.017	0.013	0.010	0.013	0.013	0.013
Trust Parliament	0.031	0.033	0.017	0.022	0.020	0.020

Figure 13: Ethnic Based Engagement (Societal Discrimination): Balance Plots - Complete Model

Ethnic Based Engagement (Societal Discrimination): Balance Plots – Complete Model

Table 24: Ethnic Based Engagement (Political Discrimination): CDF Comparison - Complete Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.028	0.028	0.028	0.029
Societal Discrimination	0.030	0.027	0.098	0.103	0.096	0.102
Worship Attendance	0.033	0.018	0.010	0.010	0.010	0.013
Political Interest	0.018	0.024	0.009	0.012	0.010	0.012
Political Knowledge	0.009	0.012	0.010	0.009	0.016	0.012
Party ID	0.045	0.005	0.011	0.019	0.022	0.006
Identity	0.014	0.013	0.008	0.008	0.012	0.010
English (Main Lang)	0.017	0.003	0.014	0.017	0.011	0.011
Native Born	0.032	0.004	0.036	0.044	0.022	0.050
Female	0.074	0.052	0.041	0.036	0.044	0.041
Age	0.016	0.018	0.021	0.020	0.017	0.022
Education	0.029	0.020	0.007	0.008	0.014	0.012
High Income	0.002	0.004	0.003	0.011	0.003	0.006
Med Income	0.038	0.022	0.006	0.003	0.008	0.017
Missing Income	0.022	0.020	0.006	0.014	0.003	0.008
Black Caribbean	0.044	0.024	0.014	0.033	0.041	0.033
Indian	0.005	0.017	0	0.030	0.008	0.003
Pakistani	0.029	0.008	0.022	0.033	0.014	0.033
Bangladeshi	0.015	0.002	0.008	0.014	0.011	0.003
Vote Duty	0.011	0.007	0.009	0.006	0.004	0.010
Political Efficacy	0.017	0.008	0.009	0.015	0.009	0.009
Democratic Satisfaction	0.018	0.020	0.023	0.019	0.019	0.025
Trust Parliament	0.016	0.016	0.016	0.016	0.014	0.014

Figure 14: Ethnic Based Engagement (Political Discrimination): Balance Plots - Complete Model

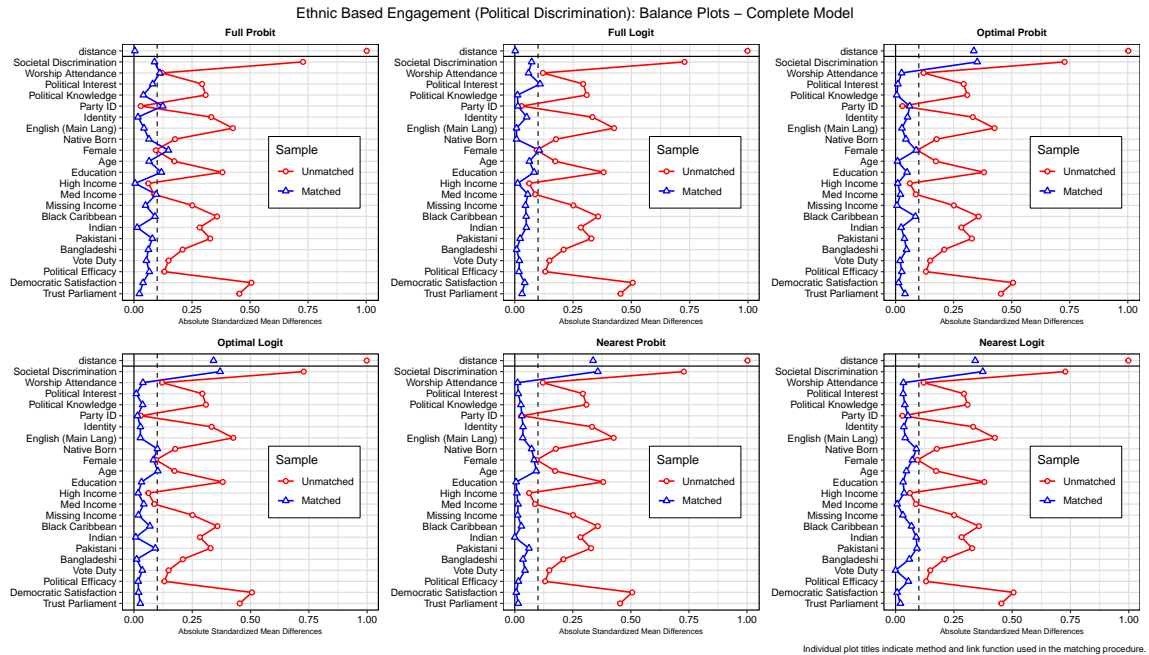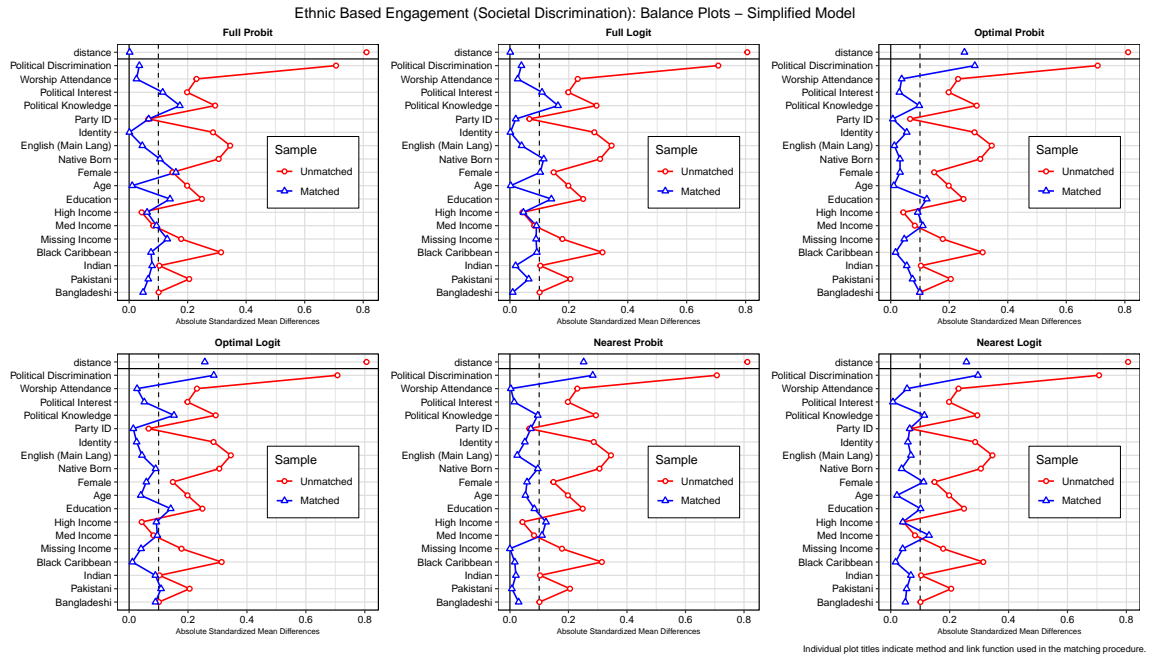Ethnic Based Engagement (Political Discrimination): Balance Plots – Complete Model

Table 25: Ethnic Based Engagement (Societal Discrimination): CDF Comparison - Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.002	0.002	0.016	0.016	0.016	0.016
Political Discrimination	0.014	0.015	0.061	0.065	0.063	0.063
Worship Attendance	0.019	0.020	0.009	0.022	0.019	0.016
Political Interest	0.025	0.030	0.016	0.015	0.016	0.017
Political Knowledge	0.032	0.030	0.026	0.023	0.023	0.028
Party ID	0.025	0.007	0.026	0.024	0.003	0.005
Identity	0.035	0.037	0.042	0.037	0.033	0.038
English (Main Lang)	0.019	0.017	0.011	0.029	0.005	0.019
Native Born	0.052	0.057	0.048	0.019	0.016	0.045
Female	0.080	0.051	0.029	0.056	0.016	0.029
Age	0.013	0.015	0.011	0.011	0.009	0.012
Education	0.034	0.034	0.020	0.025	0.030	0.034
High Income	0.016	0.012	0.032	0.011	0.024	0.024
Med Income	0.036	0.035	0.042	0.050	0.042	0.037
Missing Income	0.059	0.041	0	0.019	0.021	0.019
Black Caribbean	0.036	0.044	0.008	0.008	0.008	0.005
Indian	0.030	0.007	0.008	0.026	0.021	0.034
Pakistani	0.026	0.025	0.003	0.021	0.029	0.042
Bangladeshi	0.013	0.003	0.008	0.013	0.026	0.024

Figure 15: Ethnic Based Engagement (Societal Discrimination): Balance Plots - Simplified Model

Ethnic Based Engagement (Societal Discrimination): Balance Plots – Simplified Model

Table 26: Ethnic Based Engagement (Political Discrimination): CDF Comparison - Simplified Model

	Full Probit	Full Logit	Nearest Probit	Nearest Logit	Optimal Probit	Optimal Pobit
Distance	0.001	0.002	0.024	0.024	0.024	0.024
Societal Discrimination	0.017	0.021	0.097	0.099	0.097	0.098
Worship Attendance	0.014	0.011	0.006	0.005	0.009	0.019
Political Interest	0.011	0.013	0.016	0.017	0.015	0.010
Political Knowledge	0.019	0.024	0.014	0.019	0.014	0.021
Party ID	0.019	0.017	0.021	0.039	0.013	0.016
Identity	0.017	0.011	0.016	0.016	0.009	0.011
English (Main Lang)	0.045	0.004	0.018	0.003	0.026	0.031
Native Born	0.020	0.001	0.023	0.013	0.021	0.018
Female	0.023	0.038	0.003	0.008	0.005	0.031
Age	0.019	0.026	0.018	0.017	0.017	0.016
Education	0.015	0.011	0.022	0.025	0.021	0.024
High Income	0.044	0.042	0.023	0.023	0.008	0.028
Med Income	0.002	0.025	0.016	0.013	0.005	0.013
Missing Income	0.022	0.021	0.008	0.023	0.003	0.003
Black Caribbean	0.008	0.023	0.039	0.036	0.047	0.018
Indian	0.007	0.011	0.003	0.026	0.021	0.005
Pakistani	0.020	0.017	0.016	0.016	0.047	0.026
Bangladeshi	0.001	0.002	0.005	0.003	0.016	0.028

Figure 16: Ethnic Based Engagement (Political Discrimination): Balance Plots - Simplified Model

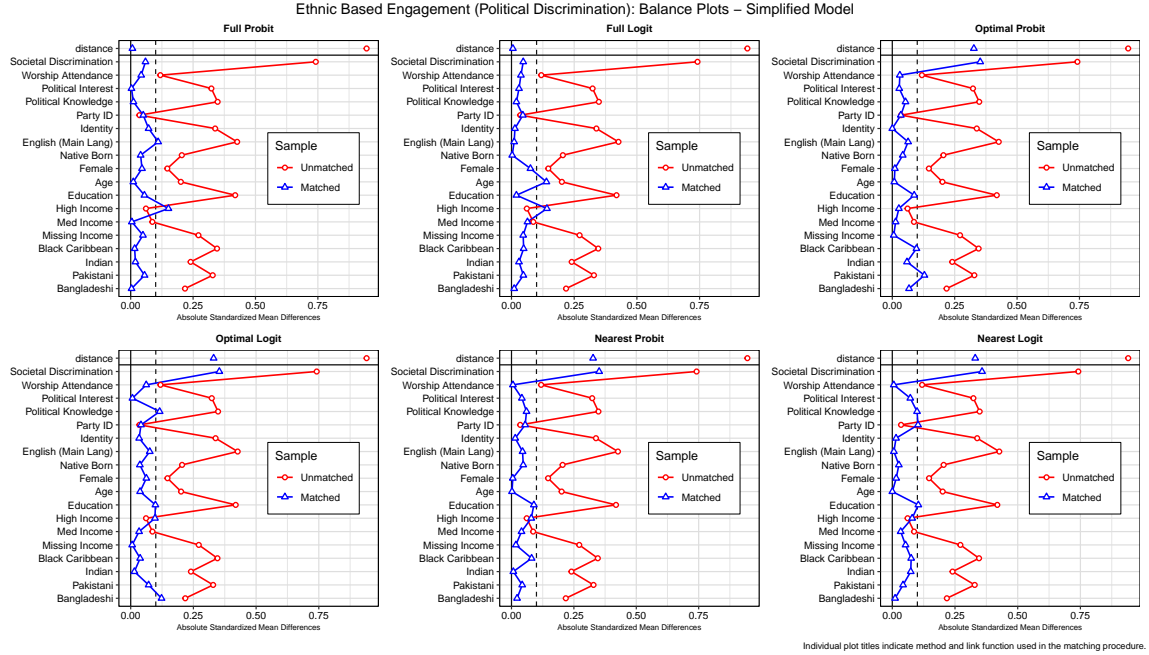Ethnic Based Engagement (Political Discrimination): Balance Plots – Simplified Model

Table 27: Vote in General Elections (Societal Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.962	0.393	0.880	1.051
Full Logit	0.987	0.766	0.903	1.078
Nearest Probit	0.975	0.590	0.888	1.070
Nearest Logit	0.973	0.579	0.882	1.073
Optimal Probit	0.953	0.291	0.872	1.042
Optimal Pobit	0.958	0.396	0.869	1.057

Table 28: Vote in General Elections (Political Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.067	0.229	0.960	1.186
Full Logit	1.114	0.040	1.005	1.236
Nearest Probit	1.179	0.003	1.057	1.314
Nearest Logit	1.145	0.008	1.036	1.266
Optimal Probit	1.135	0.015	1.025	1.258
Optimal Pobit	1.137	0.009	1.032	1.251

Table 29: Vote in Local Elections (Societal Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.938	0.215	0.847	1.038
Full Logit	0.939	0.211	0.852	1.036
Nearest Probit	0.983	0.766	0.876	1.103
Nearest Logit	0.969	0.591	0.864	1.087
Optimal Probit	0.986	0.796	0.884	1.099
Optimal Pobit	0.987	0.817	0.880	1.106

Table 30: Vote in Local Elections (Political Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.112	0.055	0.998	1.239
Full Logit	1.095	0.082	0.989	1.212
Nearest Probit	1.156	0.009	1.037	1.288
Nearest Logit	1.156	0.008	1.039	1.287
Optimal Probit	1.144	0.023	1.019	1.285
Optimal Pobit	1.164	0.008	1.040	1.302

Table 31: Ethnic based engagement (Societal Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.345	0.001	1.122	1.613
Full Logit	1.360	0.001	1.131	1.634
Nearest Probit	1.310	0.005	1.086	1.581
Nearest Logit	1.261	0.012	1.052	1.511
Optimal Probit	1.195	0.065	0.989	1.443
Optimal Pobit	1.283	0.007	1.071	1.537

Table 32: Ethnic based engagement (Political Discrimination): ATT Estimates as Risk Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.213	0.053	0.998	1.475
Full Logit	1.260	0.015	1.045	1.520
Nearest Probit	1.201	0.057	0.994	1.450
Nearest Logit	1.176	0.088	0.976	1.417
Optimal Probit	1.202	0.055	0.996	1.450
Optimal Pobit	1.196	0.066	0.988	1.448

Table 33: Vote in General Elections (Societal Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.891	0.423	0.673	1.181
Full Logit	0.830	0.215	0.619	1.114
Nearest Probit	1.005	0.973	0.749	1.349
Nearest Logit	0.930	0.627	0.696	1.244
Optimal Probit	0.955	0.764	0.705	1.293
Optimal Pobit	0.860	0.309	0.642	1.150

Table 34: Vote in General Elections (Political Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.345	0.044	1.008	1.795
Full Logit	1.384	0.034	1.024	1.871
Nearest Probit	1.583	0.001	1.193	2.099
Nearest Logit	1.524	0.007	1.125	2.064
Optimal Probit	1.623	0.002	1.203	2.188
Optimal Pobit	1.578	0.002	1.174	2.120

Table 35: Vote in General Elections (Societal Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.887	0.396	0.673	1.170
Full Logit	0.960	0.766	0.734	1.255
Nearest Probit	0.925	0.592	0.695	1.231
Nearest Logit	0.919	0.580	0.681	1.240
Optimal Probit	0.861	0.294	0.651	1.139
Optimal Pobit	0.876	0.399	0.645	1.191

Table 36: Vote in General Elections (Political Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.227	0.225	0.882	1.708
Full Logit	1.388	0.038	1.019	1.892
Nearest Probit	1.607	0.002	1.182	2.184
Nearest Logit	1.494	0.007	1.117	1.997
Optimal Probit	1.460	0.014	1.081	1.971
Optimal Pobit	1.464	0.008	1.105	1.939

Table 37: Vote in Local Elections (Societal Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.646	0.001	0.501	0.835
Full Logit	0.671	0.004	0.511	0.881
Nearest Probit	0.797	0.166	0.578	1.099
Nearest Logit	0.970	0.856	0.700	1.344
Optimal Probit	0.969	0.848	0.704	1.334
Optimal Pobit	0.874	0.366	0.652	1.171

Table 38: Vote in Local Elections (Political Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.353	0.030	1.030	1.778
Full Logit	1.368	0.019	1.054	1.775
Nearest Probit	1.619	0.001	1.222	2.144
Nearest Logit	1.468	0.008	1.104	1.954
Optimal Probit	1.608	0.001	1.219	2.122
Optimal Pobit	1.675	0.0005	1.253	2.239

Table 39: Vote in Local Elections (Societal Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	0.838	0.220	0.631	1.112
Full Logit	0.842	0.217	0.641	1.106
Nearest Probit	0.955	0.766	0.703	1.296
Nearest Logit	0.919	0.592	0.676	1.250
Optimal Probit	0.963	0.796	0.721	1.285
Optimal Pobit	0.965	0.817	0.714	1.305

Table 40: Vote in Local Elections (Political Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.329	0.051	0.999	1.768
Full Logit	1.278	0.076	0.975	1.676
Nearest Probit	1.458	0.008	1.105	1.923
Nearest Logit	1.460	0.007	1.108	1.923
Optimal Probit	1.424	0.021	1.055	1.924
Optimal Pobit	1.482	0.007	1.114	1.971

Table 41: Ethnic based engagement (Societal Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.506	0.002	1.156	1.960
Full Logit	1.604	0.001	1.201	2.142
Nearest Probit	1.418	0.023	1.050	1.916
Nearest Logit	1.348	0.058	0.990	1.836
Optimal Probit	1.424	0.014	1.073	1.889
Optimal Pobit	1.377	0.030	1.032	1.837

Table 42: Ethnic based engagement (Political Discrimination): ATT Estimates as Odds Ratios - Complete Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.372	0.032	1.028	1.832
Full Logit	1.344	0.043	1.009	1.790
Nearest Probit	1.387	0.045	1.008	1.910
Nearest Logit	1.289	0.103	0.950	1.749
Optimal Probit	1.419	0.034	1.027	1.961
Optimal Pobit	1.358	0.054	0.995	1.854

Table 43: Ethnic based engagement (Societal Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.588	0.001	1.205	2.093
Full Logit	1.612	0.001	1.216	2.138
Nearest Probit	1.528	0.004	1.143	2.042
Nearest Logit	1.444	0.011	1.088	1.917
Optimal Probit	1.331	0.063	0.984	1.801
Optimal Pobit	1.482	0.006	1.119	1.961

Table 44: Ethnic based engagement (Political Discrimination): ATT Estimates as Odds Ratios - Simplified Model

Model	Estimate	P-value	CI Lower	CI Upper
Full Probit	1.361	0.049	1.001	1.850
Full Logit	1.260	0.015	1.045	1.520
Nearest Probit	1.201	0.057	0.994	1.450
Nearest Logit	1.176	0.088	0.976	1.417
Optimal Probit	1.202	0.055	0.996	1.450
Optimal Pobit	1.196	0.066	0.988	1.448

(6)   Study 2: Variable Manipulation Strategy and Explanations for the First Set of Extensions

Support for violent demonstrations was measured through three questions asking people if they would support violent demonstrations in situations such as the British government starting a war they did not agree with; the British government passed a tax increase they thought was unfair; or to protest against job cuts. All questions have yes or no answer. Index of support for violent demonstrations was computed by summing up these three variables, where the range of answers could go from 0 (complete lack of support for violent demonstrations) to 1 (highest level of support for violent demonstrations). Non-electoral political participation was measured through 4 questions asking respondents if they, in the last 12 months, participated in a protest, rally or demonstrations; signed a petition; participated in a boycott of a particular product or service; or donated money to a political cause or advocacy organisations (excluding political parties). Answers were recorded using binary indicators. The index of non-electoral political participation was created by summing up 4 variables in scale where 0 indicates complete lack of non-electoral participation and 4 indicated highest level.

An additional control for the use of Internet was added in these models. The question asks respondents to indicate if they use the internet regularly through a binary indicator. Variable was recoded so that 0 indicates no and 1 indicates yes.

(7) Study 2: Alternative Outcome Variables of Original Models

Table 45: Alternative outcomes (Specific Measures) - Support for Violent Demonstrations

	Support for violent demonstrations		
	(1)	(2)	(3)
Societal Discrimination	0.127**	0.117**	0.148**
	(0.059)	(0.056)	(0.074)
Political Discrimination	−0.059	−0.046	0.026
	(0.059)	(0.056)	(0.070)
Worship Attendance	−0.046	−0.008	
	(0.043)	(0.041)	
Participation in Social Networks			0.007
			(0.042)
Political Interest	0.050	0.095	−0.039
	(0.074)	(0.066)	(0.090)
Political Knowledge	0.010	0.045	−0.028
	(0.065)	(0.060)	(0.077)
Party ID (Yes=1)	0.488**	0.433**	0.371
	(0.220)	(0.198)	(0.265)
Close to British ID	0.200*	0.171*	0.234*
	(0.107)	(0.102)	(0.127)
English (Main Lang)	−0.232	−0.114	−0.220
	(0.171)	(0.160)	(0.196)
Native Born	0.082	0.115	−0.142
	(0.186)	(0.169)	(0.223)
Female	−0.404***	−0.411***	−0.365**
	(0.146)	(0.137)	(0.175)
Age	−0.030***	−0.032***	−0.033***
	(0.006)	(0.006)	(0.008)
Education	−0.052	−0.073	−0.116*
	(0.050)	(0.047)	(0.061)
High Income	0.266	0.313	0.437
	(0.249)	(0.240)	(0.296)
Med Income	−0.326	−0.198	−0.267
	(0.215)	(0.204)	(0.255)
Missing Income	−0.322*	−0.251	−0.400*
	(0.168)	(0.157)	(0.208)
Black Caribbean	−0.447*	−0.323	−0.635*
	(0.258)	(0.241)	(0.350)
Indian	0.104	0.070	0.324
	(0.228)	(0.213)	(0.272)
Pakistani	−0.210	−0.249	−0.279
	(0.226)	(0.210)	(0.275)
Bangladeshi	0.366	0.299	0.406
	(0.262)	(0.243)	(0.310)
Vote Duty	−0.070		
	(0.086)		
Political Efficacy	0.096***		0.099***
	(0.024)		(0.029)
Democratic Satisfaction	0.100		0.175
	(0.099)		(0.125)
Trust Parliament	−0.095***		−0.090**
	(0.032)		(0.039)
National economic future			−0.068
			(0.100)
Use of Internet			0.432*
			(0.254)
Constant	−0.272	−0.889**	−0.433
	(0.553)	(0.416)	(0.695)
N	1,689	1,921	1,152
Log Likelihood	−673.136	−758.835	−461.122
AIC	1,394.272	1,557.669	972.244

*p < .1; **p < .05; ***p < .01

Table 46: Alternative outcomes (Specific Measures) - Non-electoral Political Participation

	Non-electoral political participation		
	(1)	(2)	(3)
Societal Discrimination	0.104**	0.107***	0.083
	(0.042)	(0.040)	(0.051)
Political Discrimination	0.021	0.034	0.033
	(0.041)	(0.039)	(0.049)
Worship Attendance	0.115***	0.114***	
	(0.033)	(0.031)	
Participation in Social Networks			0.008
			(0.031)
Political Interest	0.278***	0.315***	0.257***
	(0.056)	(0.051)	(0.066)
Political Knowledge	0.138***	0.176***	0.123**
	(0.050)	(0.047)	(0.059)
Party ID (Yes=1)	0.191	0.188	0.265
	(0.155)	(0.140)	(0.188)
Close to British ID	0.317***	0.257***	0.344***
	(0.081)	(0.077)	(0.095)
English (Main Lang)	0.048	0.134	0.067
	(0.133)	(0.126)	(0.152)
Native Born	0.475***	0.571***	0.430***
	(0.136)	(0.126)	(0.162)
Female	0.046	0.071	−0.046
	(0.108)	(0.103)	(0.129)
Age	−0.002	−0.002	0.003
	(0.005)	(0.004)	(0.006)
Education	0.223***	0.203***	0.213***
	(0.039)	(0.036)	(0.047)
High Income	0.739***	0.613***	0.488**
	(0.189)	(0.181)	(0.228)
Med Income	0.089	0.090	0.078
	(0.152)	(0.147)	(0.180)
Missing Income	−0.151	−0.092	−0.170
	(0.128)	(0.120)	(0.152)
Black Caribbean	0.183	0.282	0.189
	(0.186)	(0.176)	(0.227)
Indian	0.284	0.289*	0.266
	(0.177)	(0.169)	(0.210)
Pakistani	0.507***	0.506***	0.455**
	(0.174)	(0.164)	(0.209)
Bangladeshi	0.647***	0.669***	0.543**
	(0.224)	(0.209)	(0.262)
Vote Duty	0.073		
	(0.067)		
Political Efficacy	0.060***		0.070***
	(0.019)		(0.022)
Democratic Satisfaction	−0.146**		−0.084
	(0.074)		(0.090)
Trust Parliament	−0.068***		−0.072**
	(0.024)		(0.029)
National economic future			−0.129*
			(0.074)
Use of Internet			0.069
			(0.183)
Constant	−3.939***	−4.313***	−3.187***
	(0.438)	(0.343)	(0.532)
N	2,101	2,385	1,423
Log Likelihood	−1,100.851	−1,222.997	−778.348
AIC	2,249.703	2,485.995	1,606.697

*p < .1; **p < .05; ***p < .01

(8)   Study 2: Variable Manipulation Strategy and Explanations for the Second Set of Extensions

In total four variables measuring discrimination were used in the models. Two variables for societal discrimination and two variables for political discrimination. Following the original research, only instances of ethnic and racial discrimination were taken into account when constructing all variables (other measured forms, such as gender or language discrimination were not included). As it was indicated in the paper, variables political discrimination 1 and societal discrimination 1 measure only in instances of political or racial discrimination. Both variables were created by combining binary indicators. In case of political discrimination, instances of institutional and labour discrimination were combined, while in societal, instances of racial harassment and discrimination in the access to housing were combined. Both variables take values from 0 (no discrimination) to 2 (experiencing both measured forms of discrimination). Indeed this measure is less complex and sensitive compared to the measures in the original paper.

To try making the measures as close as possible to variables in the original paper, I combined binary indicators with measures of frequency of group discrimination (recoded to range from 0 to 3) to get political discrimination 2 and societal discrimination 2. For each binary indicator (institutional, labour, housing discrimination and racial harassment) I developed a new variable ranging from 0 (no discrimination at all) to 3 (highest level of perceived discrimination). Point 0 designates that respondent reported no instances of discrimination and they don't think their group is discriminated

whatsoever. Values from 1 to 3 were appointed if respondent reported specific form of discrimination (value 1 for a binary indicator) and frequency of group discrimination (ranging from 1 to 3). Higher values of frequency of group discrimination mean also higher values of the new variables. To get measures of political discrimination, I summed indicators for institutional and labour discrimination, while for societal discrimination, I summed indicators for housing discrimination and racial harassment. Scales for both variables go from 0 (no discrimination) to 6 (highest level of perceived discrimination).

Additional measures of broad discrimination were made in the same principle. The first measure of broad discrimination is binary, where value 1 designates an instance of any of the following binary indicators (institutional, labour, housing discrimination and racial harassment). The second measure of broad discrimination was made using the principle described in the previous paragraph. Binary indicator for broad discrimination was combined with the measure of frequency of group discrimination. The second measure of broad discrimination takes values from 0 to 3.

The key outcome variable was created by combining four binary indicators for engagement in sports, political, religious or other organisations. Each binary indicator would get a value of 1 if the respondent reported participating in the organisation and if the respondent reported that at least half or more participants came from their country of origin. The initial strategy was to sum up all binary indicators, but the measure of ethnic based engagement would only range from 0 to 2 (instead of 4 as a potential highest value). Due to small number of observations for value 2, I recoded the measure

of ethnic based engagement into a binary indicator.

The second outcome is a variable that asks if the value of the residence country people and the people from the country of origin are irreconcilable/totally different. The original scale ranges from 1 (strongly agree) to 5 (strongly disagree). I reversed the scale so that smaller numbers indicate less agreement. I also recoded the reversed scale so it ranges from 1 (disagreement) over 2 (neutral) to 3 (agreement with the statement). Worship attendance, a 6-point scale, recoded so that smaller numbers indicate less attendance. Political interest, a 4-point scale, recoded so that smaller numbers indicate less interest. Political knowledge, a 15-point scale (UK) or an 11-point scale, rendered by summing up binary indicators that measure if a respondent has heard of a particular political party in the UK or the Netherlands, respectively. The use of English was measured with a 3-point scale ranging from 0 to 2. The scale was computed using binary indicators for the use of English with children and partners in the house. Gender was measured through a binary indicator (1 for females, 0 for males). Age and education were measured in years (of age or years spend in formal education). Indicators of income were developed in a way that low income encompass all individuals with income bellow ¢25.000; middle income category ranges between ¢25.000 and ¢50.000; high income category includes all respondents with incomes higher than ¢50.000. In the UK sample, ethnicity coincides with the country of origin with indicators for Pakistani and Polish respondents. In the Dutch sample, there are indicators for Antillean, Bulgarian, Moroccan, Polish, Surinamese and Turkish respondents.

(9) Study 2: Original Models Adapted to Match the Available Variables in SCIP Dataset for Comparison

Table 47: Ethnic Based Engagement (Specific Measures) - Adapted Model

	Ethnic-Based Participation
Societal Discrimination	0.108***
	(0.038)
Political Discrimination	0.069*
	(0.037)
Worship Attendance	0.230***
	(0.029)
Political Interest	0.174***
	(0.046)
Political Knowledge	0.211***
	(0.042)
Close to British ID	−0.111
	(0.070)
English (Main Lang)	−0.037
	(0.111)
Female	0.132
	(0.094)
Age	−0.0002
	(0.003)
Education	0.056*
	(0.032)
High Income	0.171
	(0.174)
Med Income	0.056
	(0.137)
Missing Income	−0.122
	(0.108)
Black Caribbean	0.145
	(0.151)
Indian	0.688***
	(0.143)
Pakistani	−0.238
	(0.148)
Bangladeshi	0.061
	(0.188)
Constant	−2.839***
	(0.281)
N	2,444
Log Likelihood	−1,405.493
AIC	2,846.986

*p < .1; **p < .05; ***p < .01

Table 48: Identity Choice (Specific Measures) - Adapted Model

Identity Choice	Equally both (1)	British (2)
Societal Discrimination	−0.129***	−0.095*
	(0.040)	(0.057)
Political Discrimination	−0.088**	−0.203***
	(0.038)	(0.064)
Worship Attendance	−0.106***	−0.195***
	(0.029)	(0.038)
Political Interest	0.113**	0.234***
	(0.047)	(0.063)
Political Knowledge	−0.032	0.119**
	(0.042)	(0.058)
English (Main Lang)	0.683***	1.111***
	(0.117)	(0.155)
Female	0.010	−0.154
	(0.097)	(0.131)
Age	0.010***	0.017***
	(0.003)	(0.005)
Education	−0.018	−0.042
	(0.033)	(0.045)
High Income	−0.300	−0.370
	(0.183)	(0.246)
Med Income	0.095	−0.054
	(0.144)	(0.195)
Missing Income	0.229**	0.011
	(0.110)	(0.149)
Black Caribbean	0.068	0.034
	(0.148)	(0.240)
Indian	0.737***	1.519***
	(0.149)	(0.224)
Pakistani	1.172***	2.199***
	(0.149)	(0.222)
Bangladeshi	0.830***	1.845***
	(0.188)	(0.268)
Constant	−0.656**	−3.158***
	(0.269)	(0.400)
AIC	4,715.533	4,715.533

*p < .1; **p < .05; ***p < .01

Figure 17: Ethnic Based Engagement (Specific Measures) - Adapted Model
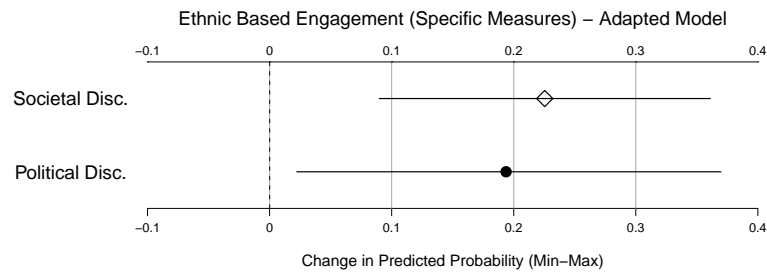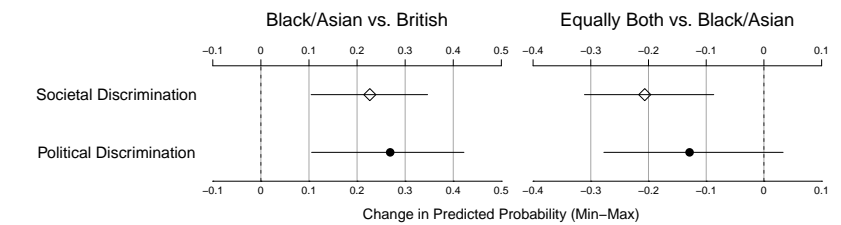
Figure 18: Identity Choice (Specific Measures) - Adapted Model

(10) Study 2: Descriptive Statistics for SCIP Dataset

Table 49: Summary Statistics for Specific Measures (Political Discrimination) for UK

Statistic	N	Mean	St. Dev.	Min	Max
Political Discrimination 1	1,529	0.061	0.268	0	2
Political Discrimination 2	1,529	0.147	0.699	0	6

Table 50: Summary Statistics for Specific Measures (Societal Discrimination) for UK

Statistic	N	Mean	St. Dev.	Min	Max
Societal Discrimination 1	1,529	0.061	0.244	0	2
Societal Discrimination 2	1,529	0.119	0.529	0	4

Table 51: Summary Statistrics for Specific Measures (Political Discrimination) for NL

Statistic	N	Mean	St. Dev.	Min	Max
Political Discrimination 1	3,355	0.060	0.274	0	2
Political Discrimination 2	3,355	0.148	0.727	0	6

Table 52: Summary Statistrics for Specific Measures (Societal Discrimination) for NL

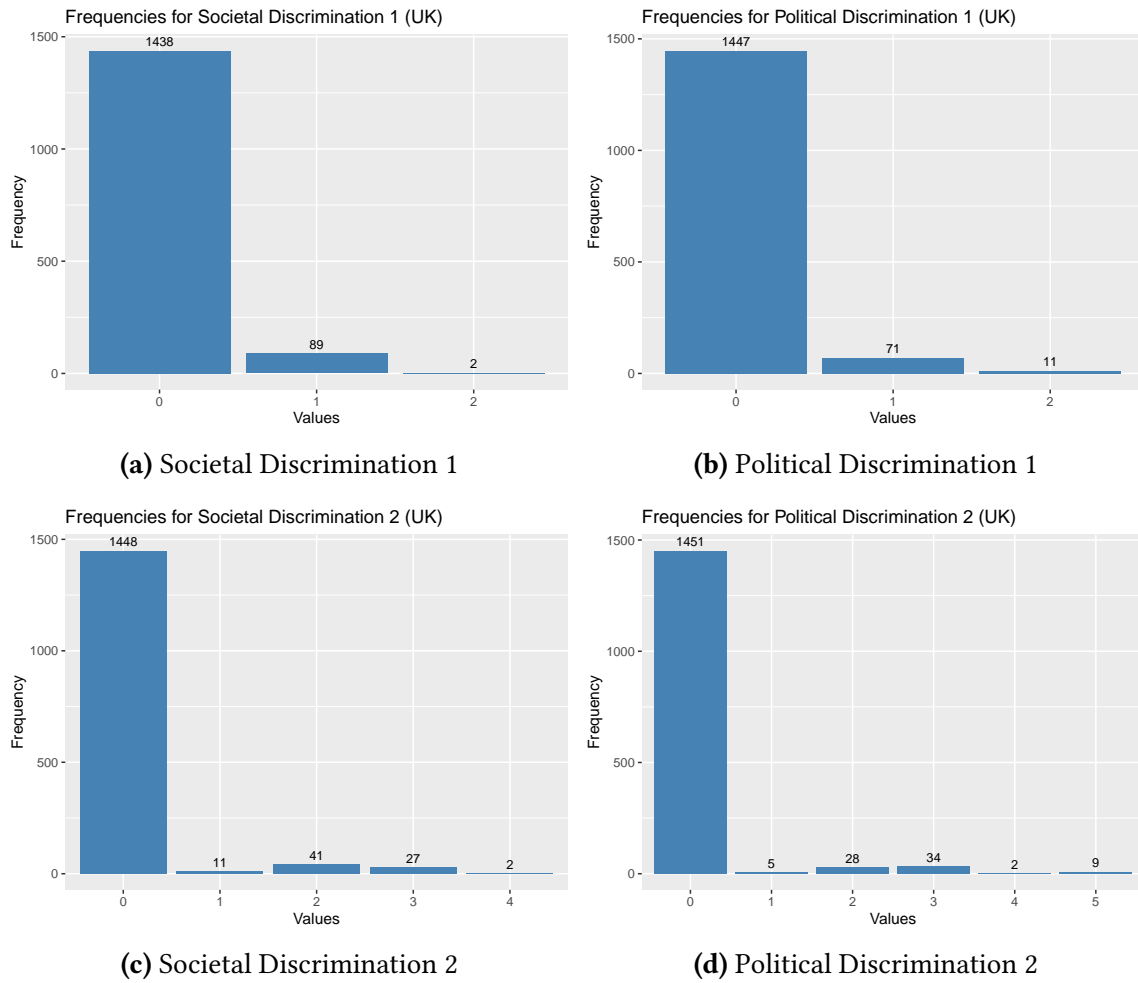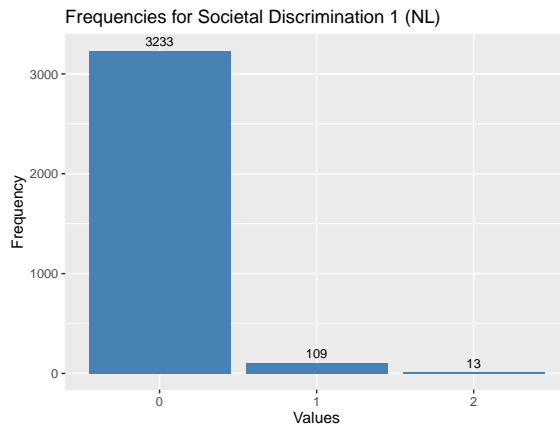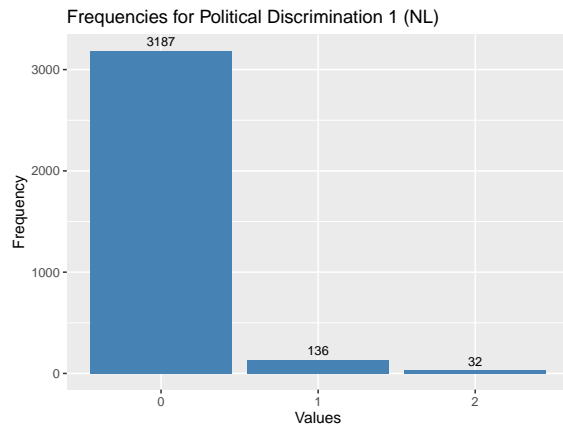| Statistic	N	Mean	St. Dev.	Min	Max
Societal Discrimination 1	3,355	0.040	0.215	0	2
Societal Discrimination 2	3,355	0.100	0.561	0	6

Figure 19: Distribution of Frequencies for Specific Measures (Political and Societal Discrimination) for UK

(a) Societal Discrimination 1

(b) Political Discrimination 1

(c) Societal Discrimination 2

(d) Political Discrimination 2

Figure 20: Distribution of Frequencies for Specific Measures (Political and Societal Discrimination) for NL
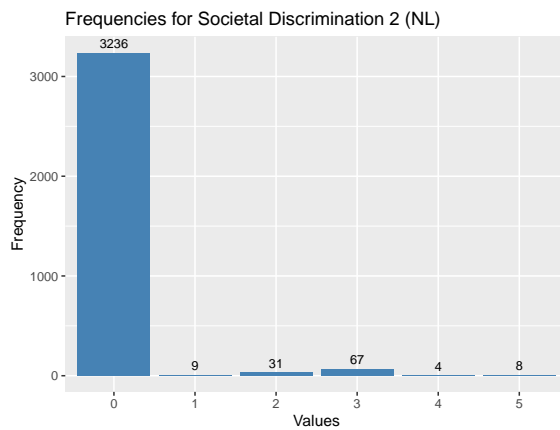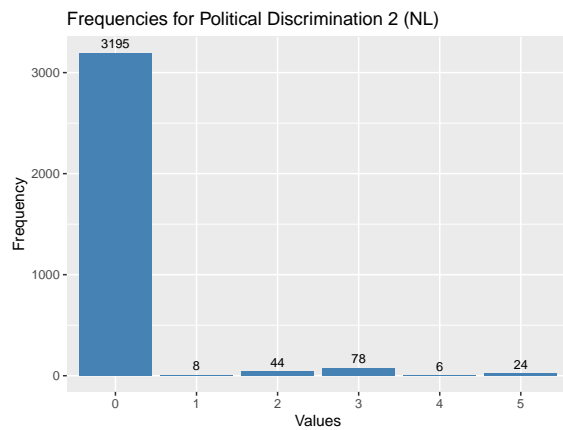

(a) Societal Discrimination 1

(b) Political Discrimination 1

(c) Societal Discrimination 2

(d) Political Discrimination 2

Table 53: Summary Statistics for Control Variables (UK)

Statistic	N	Mean	St. Dev.	Min	Max
Worship Attendance	1,371	3.516	1.990	0	6
Political Interest	1,511	0.621	0.825	0	3
Political Knowledge	1,513	0.801	1.071	0	3
Irreconcilable values	1,452	2.547	0.716	1	3
Language at home	1,529	0.149	0.413	0	2
Female	1,529	0.308	0.462	0	1
Age	1,529	29.706	9.284	18	60
Education	1,479	13.644	2.457	1	27
High Income	1,529	0.019	0.136	0	1
Med Income	1,529	0.089	0.285	0	1
Missing Income	1,529	0.451	0.498	0	1
Pakistani	1,529	0.491	0.500	0	1

Table 54: Summary Statistics for Control Variables (NL)

Statistic	N	Mean	St. Dev.	Min	Max
Worship Attendance	2,921	2.231	2.036	0	6
Political Interest	3,216	0.642	0.861	0	3
Political Knowledge	3,208	0.957	1.292	0	3
Irreconcilable values	3,208	2.217	0.866	1	3
Language at home	3,350	0.371	0.598	0	2
Female	3,355	0.506	0.500	0	1
Age	3,355	31.525	9.479	18	67
Education	2,953	11.788	4.096	0	42
High Income	3,355	0.022	0.147	0	1
Med Income	3,355	0.136	0.342	0	1
Missing Income	3,355	0.349	0.477	0	1
Bulgarian	3,355	0.136	0.343	0	1
Morrocan	3,355	0.128	0.334	0	1
Polish	3,355	0.261	0.439	0	1
Surinamese	3,355	0.115	0.319	0	1
Turkish	3,355	0.247	0.432	0	1

(11) Study 2: Estimates for Broad Discrimination Measures in SCIP Dataset

Table 55: Ethnic Based Engagement (Broad Discrimination): UK

	Ethnic-Based Engagement	
	(1)	(2)
Broad Discrimination 1	−0.445	
	(0.778)	
Broad Discrimination 2		0.187
		(0.209)
Worship Attendance	0.140	0.126
	(0.129)	(0.130)
Political Interest	−0.357	−0.424
	(0.299)	(0.302)
Political Knowledge	0.663***	0.662***
	(0.203)	(0.203)
Irreconcilable values	0.500	0.481
	(0.379)	(0.377)
Language at home	0.234	0.271
	(0.502)	(0.503)
Female	−0.531	−0.500
	(0.576)	(0.577)
Age	−0.027	−0.025
	(0.028)	(0.028)
Education	0.144*	0.147*
	(0.081)	(0.081)
High Income	0.181	0.269
	(1.135)	(1.133)
Med Income	−1.184	−1.178
	(1.080)	(1.078)
Missing Income	−0.196	−0.166
	(0.483)	(0.485)
Pakistani	−1.531***	−1.476***
	(0.563)	(0.559)
Constant	−6.647***	−7.029***
	(1.733)	(1.768)
N	1,238	1,238
Log Likelihood	−98.060	−97.831
AIC	224.121	223.663

*p < .1; **p < .05; ***p < .01

Table 56: Ethnic Based Engagement (Broad discrimination): NL

	Ethnic-Based Engagement	
	(1)	(2)
Broad Discrimination 1	1.012***	
	(0.367)	
Broad Discrimination 2		0.163
		(0.124)
Worship Attendance	0.215***	0.216***
	(0.060)	(0.060)
Political Interest	0.434***	0.428***
	(0.135)	(0.135)
Political Knowledge	0.190*	0.196**
	(0.099)	(0.099)
Irreconcilable values	0.066	0.058
	(0.147)	(0.146)
Language at home	−0.032	−0.010
	(0.208)	(0.209)
Female	−0.281	−0.276
	(0.244)	(0.244)
Age	−0.029*	−0.030**
	(0.015)	(0.015)
Education	0.019	0.019
	(0.029)	(0.029)
High Income	0.086	−0.008
	(0.770)	(0.772)
Med Income	−0.074	−0.047
	(0.361)	(0.359)
Missing Income	−0.038	−0.007
	(0.268)	(0.267)
Bulgarian	−1.169*	−0.906
	(0.701)	(0.686)
Morrocan	0.902**	0.953**
	(0.449)	(0.451)
Polish	−0.340	−0.240
	(0.458)	(0.454)
Surinamese	−1.017*	−0.985*
	(0.555)	(0.555)
Turkish	0.043	−0.036
	(0.389)	(0.389)
Constant	−3.865***	−4.019***
	(0.780)	(0.806)
N	2,479	2,479
Log Likelihood	−322.045	−324.508
AIC	680.089	685.017

*p < .1; **p < .05; ***p < .01

Figure 21: Ethnic Based Engagement (Broad Discrimination)

(a) UK

(b) NL

(12) Study 2: Estimates for Attitudes about Irreconcilable Values in SCIP Dataset

Table 57: Irreconcilable values: Specific Measures (Political and Societal Discrimination) for UK

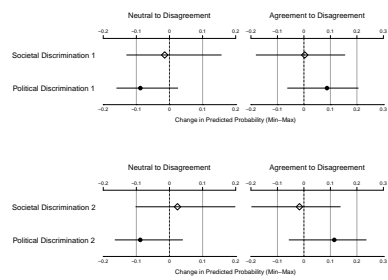| Irreconcilable values	Neutral (1)	Agree (2)	Neutral (3)	Agree (4)
Societal Discrimination 1	−0.087	0.015		
	(0.441)	(0.355)		
Political Discrimination 1	−0.331	0.136		
	(0.435)	(0.341)		
Societal Discrimination 2			0.059	0.041
			(0.211)	(0.177)
Political Discrimination 2			−0.059	0.112
			(0.176)	(0.142)
Worship Attendance	−0.026	0.125***	−0.028	0.123**
	(0.056)	(0.048)	(0.056)	(0.048)
Political Interest	0.303**	0.064	0.294**	0.057
	(0.146)	(0.128)	(0.145)	(0.128)
Political Knowledge	−0.292***	−0.184**	−0.297***	−0.186**
	(0.111)	(0.093)	(0.111)	(0.093)
Language at home	−0.003	−0.048	−0.005	−0.049
	(0.272)	(0.226)	(0.272)	(0.226)
Female	−0.278	−0.145	−0.272	−0.144
	(0.249)	(0.210)	(0.249)	(0.210)
Age	0.003	−0.018*	0.003	−0.018*
	(0.012)	(0.010)	(0.012)	(0.010)
Education	0.013	−0.043	0.013	−0.044
	(0.043)	(0.037)	(0.043)	(0.037)
High Income	0.017	0.466	0.030	0.477
	(0.853)	(0.668)	(0.854)	(0.669)
Med Income	0.493	1.107***	0.502	1.116***
	(0.467)	(0.391)	(0.468)	(0.391)
Missing Income	0.320	0.263	0.328	0.267
	(0.239)	(0.202)	(0.239)	(0.202)
Pakistani	1.215***	1.243***	1.232***	1.249***
	(0.281)	(0.239)	(0.280)	(0.239)
Constant	−0.313	1.881***	−0.320	1.890***
	(0.710)	(0.594)	(0.711)	(0.596)
AIC	1,970.319	1,970.319	1,970.334	1,970.334

*p < .1; **p < .05; ***p < .01

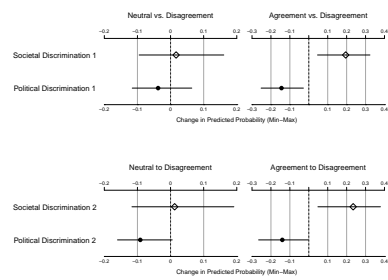**Table 58:** Irreconcilable values: Specific Measures (Political and Societal Discrimination) for NL

Irreconcilable values	Neutral (1)	Agree (2)	Neutral (3)	Agree (4)
Societal Discrimination 1	−0.424*	−0.513***		
	(0.228)	(0.198)		
Political Discrimination 1	0.671**	0.876***		
	(0.279)	(0.246)		
Societal Discrimination 2			−0.234**	−0.192**
			(0.096)	(0.077)
Political Discrimination 2			0.286**	0.378***
			(0.115)	(0.100)
Worship Attendance	0.117***	0.104***	0.116***	0.102***
	(0.031)	(0.026)	(0.031)	(0.026)
Political Interest	−0.049	−0.099	−0.044	−0.097
	(0.080)	(0.070)	(0.080)	(0.070)
Political Knowledge	0.022	−0.023	0.021	−0.026
	(0.057)	(0.049)	(0.057)	(0.049)
Language at home	−0.186*	−0.213**	−0.189*	−0.216***
	(0.096)	(0.083)	(0.097)	(0.083)
Female	−0.060	0.096	−0.059	0.097
	(0.120)	(0.102)	(0.120)	(0.102)
Age	−0.007	−0.200*	−0.010	−0.201*
	(0.123)	(0.105)	(0.123)	(0.105)
Education	0.0003	−0.002	0.0002	−0.002
	(0.007)	(0.006)	(0.007)	(0.006)
High Income	−0.013	−0.019	−0.013	−0.019
	(0.017)	(0.014)	(0.017)	(0.014)
Med Income	−0.111	−0.304	−0.122	−0.305
	(0.360)	(0.340)	(0.359)	(0.340)
Missing Income	−0.437**	−0.234	−0.433**	−0.227
	(0.183)	(0.150)	(0.183)	(0.150)
Bulgarian	0.304**	0.360***	0.303**	0.356***
	(0.144)	(0.125)	(0.144)	(0.125)
Morrocan	1.160***	1.964***	1.168***	1.946***
	(0.324)	(0.274)	(0.324)	(0.274)
Polish	1.090***	0.849***	1.085***	0.845***
	(0.318)	(0.285)	(0.318)	(0.285)
Surinamese	−0.683***	−1.310***	−0.673***	−1.324***
	(0.231)	(0.200)	(0.231)	(0.200)
Turkish	0.057	0.158	0.054	0.155
	(0.237)	(0.199)	(0.237)	(0.199)
turkish	0.140	0.416**	0.135	0.414**
	(0.217)	(0.181)	(0.217)	(0.181)
Constant	−0.078	1.056***	−0.058	1.063***
	(0.411)	(0.351)	(0.411)	(0.351)
AIC	4,665.965	4,665.965	4,663.401	4,663.401

*p < .1; **p < .05; ***p < .01

Figure 22: Irreconcilable values (Specific Measures)

(a) UK

(b) NL

References

Rainey, Carlisle and Kelly McCaskey. 2021. "Estimating Logit Models with Small Samples". *Political Science Research and Methods* 9 (3): 549–564.