

Is It Race, Class, or Gender? The Sources of Perceived Discrimination in Brazil Revision

Online Appendix



Figure A1. The Skin Color Palette Used in the LAPOP and PERLA Studies

Table A1. Ordinal logistic regression model: Determinants of discrimination using frequency measure

	(1) Race	(2) Class	(3) Gender	(4) Race	(5) Class	(6) Gender
Age	-0.012* (0.005)	-0.014*** (0.004)	-0.010 (0.006)	-0.012* (0.005)	-0.014*** (0.004)	-0.011 (0.006)
Female	0.212 (0.127)	0.065 (0.128)	1.155*** (0.273)	0.209 (0.332)	-0.103 (0.231)	0.470 (0.409)
Skin Tone	3.729*** (0.466)	0.714* (0.323)	1.537*** (0.332)	3.726*** (0.646)	0.464 (0.393)	0.185 (0.561)
Female*Skin Tone				0.006 (0.630)	0.460 (0.471)	1.812** (0.641)
Level of Education	0.244* (0.112)	0.015 (0.086)	0.191 (0.141)	0.244* (0.112)	0.012 (0.087)	0.179 (0.144)
Quintile of Wealth	-0.056 (0.060)	-0.095* (0.047)	0.068 (0.059)	-0.056 (0.061)	-0.096* (0.047)	0.063 (0.061)
Num. Children at Home	0.050 (0.055)	0.117*** (0.028)	0.068 (0.059)	0.050 (0.055)	0.115*** (0.029)	0.061 (0.059)
Interpersonal Trust	-0.323 (0.316)	-0.286 (0.194)	-0.155 (0.226)	-0.322 (0.318)	-0.280 (0.194)	-0.145 (0.228)
Loss of HH Income	0.219 (0.202)	0.566** (0.164)	0.311 (0.248)	0.219 (0.202)	0.564** (0.163)	0.299 (0.250)
Increase HH Income	-0.129 (0.175)	0.021 (0.157)	0.073 (0.184)	-0.129 (0.174)	0.021 (0.156)	0.067 (0.184)
Urban	0.505 (0.331)	-0.024 (0.477)	0.641 (0.443)	0.505 (0.331)	-0.024 (0.476)	0.650 (0.443)
Northeast	-0.615* (0.298)	-0.660 (0.361)	-0.364 (0.636)	-0.615* (0.298)	-0.662 (0.361)	-0.377 (0.644)
Center-West	0.280 (0.339)	0.154 (0.321)	0.283 (0.548)	0.280 (0.339)	0.159 (0.323)	0.312 (0.559)
Southeast	-0.356 (0.239)	-0.435 (0.252)	-0.120 (0.496)	-0.356 (0.237)	-0.441 (0.253)	-0.149 (0.506)
South	0.083 (0.371)	-0.775* (0.302)	0.135 (0.586)	0.083 (0.371)	-0.779* (0.302)	0.112 (0.591)
N	2109	2106	2105	2109	2106	2105
F	12.957***	8.753***	4.585***	11.768***	9.611***	6.122***

Note: Design-effect based ordered logit regression estimates reported. Standard errors in parentheses. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. *** p < 0.001; ** p < 0.01; * p < 0.05.

Table A2. Logistic regression model: Determinants of discrimination, using self-identified racial identification

	(1)	(2)	(3)	(4)	(5)	(6)
	Race	Class	Gender	Race	Class	Gender
Age	-0.016*	-0.015***	-0.013*	-0.016*	-0.015***	-0.013*
	(0.006)	(0.004)	(0.006)	(0.006)	(0.004)	(0.006)
Female	0.195	0.034	1.108***	0.675*	0.113	1.124**
	(0.141)	(0.136)	(0.272)	(0.305)	(0.220)	(0.388)
Multiracial	0.877***	0.072	-0.055	1.255***	0.197	0.090
	(0.234)	(0.134)	(0.181)	(0.226)	(0.206)	(0.293)
Indigenous	1.035*	1.284***	0.381	1.677^	0.814	-0.618
	(0.513)	(0.283)	(0.531)	(0.975)	(0.547)	(1.063)
Black	2.801***	0.833***	0.974***	3.038***	0.818**	0.649*
	(0.254)	(0.200)	(0.211)	(0.388)	(0.270)	(0.319)
Asian	0.981^	0.006	0.133	2.060**	-0.407	0.852
	(0.563)	(0.441)	(0.453)	(0.759)	(0.624)	(0.685)
Other Race	0.863	0.741^	0.983*	1.148	0.584	1.105
	(0.781)	(0.437)	(0.406)	(0.779)	(0.685)	(1.048)
Level of Education	0.175	0.048	0.159	0.186	0.044	0.158
	(0.122)	(0.099)	(0.149)	(0.122)	(0.099)	(0.152)
Quintile of Wealth	-0.096	-0.114*	0.039	-0.088	-0.116*	0.041
	(0.071)	(0.051)	(0.059)	(0.070)	(0.052)	(0.062)
Num. of Children at Home	0.045	0.125***	0.073	0.048	0.126***	0.075
	(0.058)	(0.031)	(0.056)	(0.059)	(0.029)	(0.055)
Interpersonal Trust	-0.314	-0.187	-0.110	-0.314	-0.183	-0.100
	(0.315)	(0.191)	(0.225)	(0.315)	(0.188)	(0.228)
Loss of HH Income	0.163	0.472*	0.183	0.168	0.474*	0.166
	(0.219)	(0.176)	(0.247)	(0.221)	(0.177)	(0.251)
Increase in HH Income	-0.246	-0.056	-0.030	-0.289	-0.057	-0.057
	(0.182)	(0.164)	(0.194)	(0.181)	(0.163)	(0.197)
Urban	0.280	-0.133	0.569	0.275	-0.136	0.578
	(0.385)	(0.480)	(0.449)	(0.397)	(0.479)	(0.455)
Northeast	-0.662^	-0.624^	-0.424	-0.676*	-0.623^	-0.424
	(0.331)	(0.359)	(0.624)	(0.335)	(0.357)	(0.635)
Center-West	0.216	0.265	0.178	0.186	0.276	0.186
	(0.371)	(0.341)	(0.550)	(0.377)	(0.342)	(0.556)
Southeast	-0.449*	-0.391	-0.189	-0.472*	-0.400	-0.204
	(0.198)	(0.270)	(0.493)	(0.201)	(0.270)	(0.501)
South	0.075	-0.715*	0.004	0.051	-0.717*	-0.005
	(0.421)	(0.335)	(0.578)	(0.426)	(0.336)	(0.585)
Female*Multiracial				-0.635*	-0.248	-0.205
				(0.289)	(0.231)	(0.404)
Female*Indigenous				-1.106	0.868	1.208
				(1.271)	(0.811)	(1.230)
Female*Black				-0.363	0.029	0.464

	(1)	(2)	(3)	(4)	(5)	(6)
	Race	Class	Gender	Race	Class	Gender
Female*Asian				(0.531) -2.007*	(0.295) 0.621	(0.369) -0.981
Female*Other Race				(0.847) Dropped	(0.899) 0.212	(0.938) -0.159
Control	-2.308*** (0.604)	0.068 (0.576)	-3.332** (0.960)	-2.599*** (0.587)	0.047 (0.605)	-3.337** (0.992)
N	2092	2090	2088	2080	2090	2088
F	16.176***	11.031***	3.743***	13.586***	12.573***	3.423**

Note: Design-effect based logit regression estimates reported. Standard errors in parentheses. White is the baseline category for self-ID race. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. The interaction between female and other race was dropped from the model due to limited observations. *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.

Table A3. Logistic regression model: Determinants of discrimination, with interaction between Skin Tone and Quintile of Wealth.

	Race	Class	Gender
Age	-0.013* (0.005)	-0.015*** (0.004)	-0.012* (0.006)
Female	0.199 (0.135)	0.013 (0.134)	1.142*** (0.276)
Skin Tone	2.774* (1.068)	-0.373 (0.925)	1.486 (1.044)
Quintile of Wealth	-0.211 (0.135)	-0.226* (0.094)	0.067 (0.129)
Skin Tone * Wealth	0.337 (0.316)	0.364 (0.256)	0.009 (0.284)
Level of Education	0.257* (0.114)	0.040 (0.094)	0.171 (0.141)
Num. Children at Home	0.053 (0.060)	0.130*** (0.031)	0.065 (0.058)
Interpersonal Trust	-0.276 (0.315)	-0.203 (0.193)	-0.096 (0.220)
Loss of HH Income	0.166 (0.200)	0.516** (0.176)	0.245 (0.242)
Increase HH Income	-0.134 (0.186)	0.011 (0.163)	0.036 (0.186)
Urban	0.468 (0.337)	-0.035 (0.477)	0.640 (0.445)
Northeast	-0.551 (0.320)	-0.638 (0.380)	-0.355 (0.633)
Center-West	0.334 (0.355)	0.233 (0.353)	0.288 (0.563)
Southeast	-0.313 (0.251)	-0.391 (0.288)	-0.105 (0.501)
South	0.185 (0.395)	-0.697* (0.339)	0.162 (0.593)
Constant	-3.038*** (0.744)	0.239 (0.717)	-4.104*** (1.077)
N	2109	2106	2105
F	13.767***	6.095***	5.218***

Note: Design-effect based logit regression estimates reported. Standard errors in parentheses. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.

Table A4. Logistic regression model: Determinants of discrimination, with interaction between Skin Tone and Level of Education

	Race	Class	Gender
Age	-0.014* (0.005)	-0.015*** (0.004)	-0.012* (0.006)
Female	0.204 (0.133)	0.012 (0.134)	1.143*** (0.275)
Skin Tone	2.611** (0.854)	-0.671 (0.671)	1.662 (1.132)
Level of Education	-0.068 (0.262)	-0.277 (0.160)	0.204 (0.248)
Skin Tone * Education	0.739 (0.490)	0.902* (0.368)	-0.092 (0.555)
Quintile of Wealth	-0.062 (0.063)	-0.094 (0.050)	0.071 (0.059)
Num. Children at Home	0.054 (0.060)	0.130*** (0.032)	0.065 (0.058)
Interpersonal Trust	-0.290 (0.316)	-0.216 (0.188)	-0.097 (0.219)
Loss of HH Income	0.174 (0.200)	0.529** (0.175)	0.243 (0.243)
Increase HH Income	-0.136 (0.185)	0.010 (0.165)	0.036 (0.186)
Urban	0.473 (0.332)	-0.025 (0.474)	0.640 (0.444)
Northeast	-0.542 (0.317)	-0.624 (0.378)	-0.357 (0.629)
Center-West	0.339 (0.355)	0.234 (0.355)	0.290 (0.564)
Southeast	-0.313 (0.251)	-0.394 (0.293)	-0.105 (0.500)
South	0.172 (0.396)	-0.707* (0.344)	0.161 (0.591)
Constant	-2.955*** (0.724)	0.332 (0.694)	-4.169*** (1.113)
N	2109	2106	2105
F	12.580***	6.882***	6.121***

Note: Design-effect based logit regression estimates reported.

Standard errors in parentheses. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.

Table A5. Logistic regression model: Determinants of discrimination, with interaction between Skin Tone and Number of Children at Home

	Race	Class	Gender
Age	-0.014* (0.005)	-0.015*** (0.004)	-0.012* (0.006)
Female	0.209 (0.132)	0.025 (0.134)	1.141*** (0.272)
Skin Tone	3.509*** (0.545)	0.631 (0.407)	1.485** (0.439)
Num. Children at Home	-0.044 (0.136)	0.109 (0.065)	0.056 (0.118)
Skin Tone * Kids	0.202 (0.259)	0.045 (0.150)	0.024 (0.257)
Level of Education	0.251* (0.116)	0.034 (0.094)	0.171 (0.141)
Quintile of Wealth	-0.066 (0.063)	-0.098 (0.051)	0.071 (0.059)
Interpersonal Trust	-0.297 (0.311)	-0.220 (0.188)	-0.097 (0.219)
Loss of HH Income	0.160 (0.200)	0.513** (0.172)	0.244 (0.241)
Increase HH Income	-0.137 (0.187)	0.013 (0.163)	0.036 (0.186)
Urban	0.465 (0.335)	-0.030 (0.476)	0.640 (0.445)
Northeast	-0.558 (0.321)	-0.637 (0.374)	-0.354 (0.633)
Center-West	0.349 (0.357)	0.246 (0.351)	0.289 (0.563)
Southeast	-0.304 (0.251)	-0.384 (0.286)	-0.105 (0.502)
South	0.172 (0.392)	-0.702* (0.336)	0.162 (0.592)
Constant	-3.323*** (0.644)	-0.119 (0.623)	-4.103*** (0.928)
N	2109	2106	2105
F	12.035***	6.219***	4.318***

Note: Design-effect based logit regression estimates reported. Standard errors in parentheses. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. *** p < 0.001; ** p < 0.01; * p < 0.05.

Table A6. Poisson regression model: Determinants of the count of types of experiences with discrimination

	Count
Age	-0.011*** (0.003)
Female	0.249* (0.094)
Skin Tone	1.294*** (0.203)
Level of Education	0.088 (0.068)
Quintile of Wealth	-0.036 (0.031)
Num. Children at Home	0.069** (0.021)
Interpersonal Trust	-0.152 (0.134)
Loss of HH Income	0.266* (0.105)
Increase HH Income	-0.010 (0.112)
Urban	0.173 (0.276)
Northeast	-0.405 (0.266)
Center-West	0.195 (0.228)
Southeast	-0.220 (0.190)
South	-0.194 (0.273)
Constant	-0.970* (0.398)
N	2111
F	20.473***

Note: Design-effect based Poisson regression estimates reported. Standard errors in parentheses. North region is the baseline category for region. No change in household income is the baseline category for changes in HH income. *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.