Matthew L. Layton and Amy Erica Smith, Is It Race, Class, or Gender? The Sources of Perceived Discrimination in Brazil. *Latin American Politics and Society* vol. 59, no. 1 (Spring 2017)

**Online Appendix**

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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) | (2) | (3) | (4) | (5) | (6) |
|  | Race | Class | Gender | Race | Class | Gender |
| Age | -0.012\* | -0.014\*\*\* | -0.010 | -0.012\* | -0.014\*\*\* | -0.011 |
|  | (0.005) | (0.004) | (0.006) | (0.005) | (0.004) | (0.006) |
| Female | 0.212 | 0.065 | 1.155\*\*\* | 0.209 | -0.103 | 0.470 |
|  | (0.127) | (0.128) | (0.273) | (0.332) | (0.231) | (0.409) |
| Skin Tone | 3.729\*\*\* | 0.714\* | 1.537\*\*\* | 3.726\*\*\* | 0.464 | 0.185 |
|  | (0.466) | (0.323) | (0.332) | (0.646) | (0.393) | (0.561) |
| Female\*Skin Tone |  |  |  | 0.006 | 0.460 | 1.812\*\* |
|  |  |  |  | (0.630) | (0.471) | (0.641) |
| Level of Education | 0.244\* | 0.015 | 0.191 | 0.244\* | 0.012 | 0.179 |
|  | (0.112) | (0.086) | (0.141) | (0.112) | (0.087) | (0.144) |
| Quintile of Wealth | -0.056 | -0.095\* | 0.068 | -0.056 | -0.096\* | 0.063 |
|  | (0.060) | (0.047) | (0.059) | (0.061) | (0.047) | (0.061) |
| Num. Children at Home | 0.050 | 0.117\*\*\* | 0.068 | 0.050 | 0.115\*\*\* | 0.061 |
|  | (0.055) | (0.028) | (0.059) | (0.055) | (0.029) | (0.059) |
| Interpersonal Trust | -0.323 | -0.286 | -0.155 | -0.322 | -0.280 | -0.145 |
|  | (0.316) | (0.194) | (0.226) | (0.318) | (0.194) | (0.228) |
| Loss of HH Income | 0.219 | 0.566\*\* | 0.311 | 0.219 | 0.564\*\* | 0.299 |
|  | (0.202) | (0.164) | (0.248) | (0.202) | (0.163) | (0.250) |
| Increase HH Income | -0.129 | 0.021 | 0.073 | -0.129 | 0.021 | 0.067 |
|  | (0.175) | (0.157) | (0.184) | (0.174) | (0.156) | (0.184) |
| Urban | 0.505 | -0.024 | 0.641 | 0.505 | -0.024 | 0.650 |
|  | (0.331) | (0.477) | (0.443) | (0.331) | (0.476) | (0.443) |
| Northeast | -0.615\* | -0.660 | -0.364 | -0.615\* | -0.662 | -0.377 |
|  | (0.298) | (0.361) | (0.636) | (0.298) | (0.361) | (0.644) |
| Center-West | 0.280 | 0.154 | 0.283 | 0.280 | 0.159 | 0.312 |
|  | (0.339) | (0.321) | (0.548) | (0.339) | (0.323) | (0.559) |
| Southeast | -0.356 | -0.435 | -0.120 | -0.356 | -0.441 | -0.149 |
|  | (0.239) | (0.252) | (0.496) | (0.237) | (0.253) | (0.506) |
| South | 0.083 | -0.775\* | 0.135 | 0.083 | -0.779\* | 0.112 |
|  | (0.371) | (0.302) | (0.586) | (0.371) | (0.302) | (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 |
|  |  |  |  | (0.531) | (0.295) | (0.369) |
| Female\*Asian |  |  |  | -2.007\* | 0.621 | -0.981 |
|  |  |  |  | (0.847) | (0.899) | (0.938) |
| Female\*Other Race |  |  |  | Dropped | 0.212 | -0.159 |
|  |  |  |  |  | (0.744) | (1.257) |
| Control | -2.308\*\*\* | 0.068 | -3.332\*\* | -2.599\*\*\* | 0.047 | -3.337\*\* |
|  | (0.604) | (0.576) | (0.960) | (0.587) | (0.605) | (0.992) |
| N | 2092 | 2090 | 2088 | 2080 | 2090 | 2088 |
| F | 16.176\*\*\* | 11.031\*\*\* | 3.743\*\*\* | 13.586\*\*\* | 12.573\*\*\* | 3.423\*\* |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05.  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. | | | | | | |

Table A3. Logistic Regression Model: Determinants of Discrimination, with Interaction Between Skin Tone and Quintile of Wealth

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  | Race | Class | Gender |
| Age | -0.013\* | -0.015\*\*\* | -0.012\* |
|  | (0.005) | (0.004) | (0.006) |
| Female | 0.199 | 0.013 | 1.142\*\*\* |
|  | (0.135) | (0.134) | (0.276) |
| Skin Tone | 2.774\* | -0.373 | 1.486 |
|  | (1.068) | (0.925) | (1.044) |
| Quintile of Wealth | -0.211 | -0.226\* | 0.067 |
|  | (0.135) | (0.094) | (0.129) |
| Skin Tone \* Wealth | 0.337 | 0.364 | 0.009 |
|  | (0.316) | (0.256) | (0.284) |
| Level of Education | 0.257\* | 0.040 | 0.171 |
|  | (0.114) | (0.094) | (0.141) |
| Num. Children at Home | 0.053 | 0.130\*\*\* | 0.065 |
|  | (0.060) | (0.031) | (0.058) |
| Interpersonal Trust | -0.276 | -0.203 | -0.096 |
|  | (0.315) | (0.193) | (0.220) |
| Loss of HH Income | 0.166 | 0.516\*\* | 0.245 |
|  | (0.200) | (0.176) | (0.242) |
| Increase HH Income | -0.134 | 0.011 | 0.036 |
|  | (0.186) | (0.163) | (0.186) |
| Urban | 0.468 | -0.035 | 0.640 |
|  | (0.337) | (0.477) | (0.445) |
| Northeast | -0.551 | -0.638 | -0.355 |
|  | (0.320) | (0.380) | (0.633) |
| Center-West | 0.334 | 0.233 | 0.288 |
|  | (0.355) | (0.353) | (0.563) |
| Southeast | -0.313 | -0.391 | -0.105 |
|  | (0.251) | (0.288) | (0.501) |
| South | 0.185 | -0.697\* | 0.162 |
|  | (0.395) | (0.339) | (0.593) |
| Constant | -3.038\*\*\* | 0.239 | -4.104\*\*\* |
|  | (0.744) | (0.717) | (1.077) |
| N | 2109 | 2106 | 2105 |
| F | 13.767\*\*\* | 6.095\*\*\* | 5.218\*\*\* |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05.  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. | | | |

Table A4. Logistic Regression Model: Determinants of Discrimination, with Interaction Between Skin Tone and Level of Education

|  |  |  |  |
| --- | --- | --- | --- |
|  | Race | Class | Gender |
| Age | -0.014\* | -0.015\*\*\* | -0.012\* |
|  | (0.005) | (0.004) | (0.006) |
| Female | 0.204 | 0.012 | 1.143\*\*\* |
|  | (0.133) | (0.134) | (0.275) |
| Skin Tone | 2.611\*\* | -0.671 | 1.662 |
|  | (0.854) | (0.671) | (1.132) |
| Level of Education | -0.068 | -0.277 | 0.204 |
|  | (0.262) | (0.160) | (0.248) |
| Skin Tone \* Education | 0.739 | 0.902\* | -0.092 |
|  | (0.490) | (0.368) | (0.555) |
| Quintile of Wealth | -0.062 | -0.094 | 0.071 |
|  | (0.063) | (0.050) | (0.059) |
| Num. Children at Home | 0.054 | 0.130\*\*\* | 0.065 |
|  | (0.060) | (0.032) | (0.058) |
| Interpersonal Trust | -0.290 | -0.216 | -0.097 |
|  | (0.316) | (0.188) | (0.219) |
| Loss of HH Income | 0.174 | 0.529\*\* | 0.243 |
|  | (0.200) | (0.175) | (0.243) |
| Increase HH Income | -0.136 | 0.010 | 0.036 |
|  | (0.185) | (0.165) | (0.186) |
| Urban | 0.473 | -0.025 | 0.640 |
|  | (0.332) | (0.474) | (0.444) |
| Northeast | -0.542 | -0.624 | -0.357 |
|  | (0.317) | (0.378) | (0.629) |
| Center-West | 0.339 | 0.234 | 0.290 |
|  | (0.355) | (0.355) | (0.564) |
| Southeast | -0.313 | -0.394 | -0.105 |
|  | (0.251) | (0.293) | (0.500) |
| South | 0.172 | -0.707\* | 0.161 |
|  | (0.396) | (0.344) | (0.591) |
| Constant | -2.955\*\*\* | 0.332 | -4.169\*\*\* |
|  | (0.724) | (0.694) | (1.113) |
| N | 2109 | 2106 | 2105 |
| F | 12.580\*\*\* | 6.882\*\*\* | 6.121\*\*\* |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05  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. | | | |

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\* | -0.015\*\*\* | -0.012\* |
|  | (0.005) | (0.004) | (0.006) |
| Female | 0.209 | 0.025 | 1.141\*\*\* |
|  | (0.132) | (0.134) | (0.272) |
| Skin Tone | 3.509\*\*\* | 0.631 | 1.485\*\* |
|  | (0.545) | (0.407) | (0.439) |
| Num. Children at Home | -0.044 | 0.109 | 0.056 |
|  | (0.136) | (0.065) | (0.118) |
| Skin Tone \* Kids | 0.202 | 0.045 | 0.024 |
|  | (0.259) | (0.150) | (0.257) |
| Level of Education | 0.251\* | 0.034 | 0.171 |
|  | (0.116) | (0.094) | (0.141) |
| Quintile of Wealth | -0.066 | -0.098 | 0.071 |
|  | (0.063) | (0.051) | (0.059) |
| Interpersonal Trust | -0.297 | -0.220 | -0.097 |
|  | (0.311) | (0.188) | (0.219) |
| Loss of HH Income | 0.160 | 0.513\*\* | 0.244 |
|  | (0.200) | (0.172) | (0.241) |
| Increase HH Income | -0.137 | 0.013 | 0.036 |
|  | (0.187) | (0.163) | (0.186) |
| Urban | 0.465 | -0.030 | 0.640 |
|  | (0.335) | (0.476) | (0.445) |
| Northeast | -0.558 | -0.637 | -0.354 |
|  | (0.321) | (0.374) | (0.633) |
| Center-West | 0.349 | 0.246 | 0.289 |
|  | (0.357) | (0.351) | (0.563) |
| Southeast | -0.304 | -0.384 | -0.105 |
|  | (0.251) | (0.286) | (0.502) |
| South | 0.172 | -0.702\* | 0.162 |
|  | (0.392) | (0.336) | (0.592) |
| Constant | -3.323\*\*\* | -0.119 | -4.103\*\*\* |
|  | (0.644) | (0.623) | (0.928) |
| N | 2109 | 2106 | 2105 |
| F | 12.035\*\*\* | 6.219\*\*\* | 4.318\*\*\* |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05  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. | | | |

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\*\*\* |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05  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. | |