

Appendix: Residential Segregation by Skin Color: Brazil Revisited

Rubia da Rocha Valente
Brian J. L. Berry

Table 4: Index of Dissimilarity for Specific Cities by Income Group — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>North</i>			
Manaus			
less than 1	.112	.077	.097
1 to 2	.144	.089	.107
2 to 3	.193	.120	.125
3 to 5	.205	.154	.161
5 to 10	.272	.171	.173
more than 10	-----	.138	-----
Belém			
less than 1	.099	.075	.065
1 to 2	.152	.101	.073
2 to 3	.202	.135	.097
3 to 5	.238	.140	.119
5 to 10	.242	.150	.136
more than 10	.254	.140	.159
Macapá			
less than 1	.135	.063	.128
1 to 2	.139	.078	.106
2 to 3	.139	.080	.119
3 to 5	.149	.106	.113
5 to 10	.196	.134	.151
more than 10	-----	.150	-----
<i>Northeast</i>			
Recife			
less than 1	.124	.085	.093
1 to 2	.173	.124	.093
2 to 3	.254	.176	.124
3 to 5	.315	.197	.160
5 to 10	.331	.175	.195
more than 10	-----	.118	-----
Salvador*			
less than 1	.051	.062	.030
1 to 2	.155	.137	.032
2 to 3	.293	.197	.102
3 to 5	.332	.189	.148
5 to 10	.326	.149	.180
more than 10	.276	.103	.173
Fortaleza			
less than 1	.156	.091	.121
1 to 2	.171	.108	.109
2 to 3	.252	.138	.166
3 to 5	.309	.158	.206
5 to 10	.376	.156	.270
more than 10	-----	.122	-----

*Data for Salvador, Goiânia, and Brasília were only available at the sub-district level, the remaining cities' dissimilarity indexes were calculated at the neighborhood (*bairros*) level. Note that since not all cities have data for all *bairros*, we used the data that was made available by IBGE; the list of *bairros* can be found here: <http://www.sidra.ibge.gov.br/bda/tabela>, Table 1385.

Table 5: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>Northeast</i>	.364	.321	.269
João Pessoa			
less than 1	.129	.090	.107
1 to 2	.197	.123	.108
2 to 3	.273	.147	.166
3 to 5	.285	.147	.183
5 to 10	.313	.131	.222
more than 10	-----	.108	-----
Natal			
less than 1	.104	.086	.094
1 to 2	.166	.133	.081
2 to 3	.217	.145	.119
3 to 5	.200	.153	.103
5 to 10	.229	.113	.157
more than 10	.252	.139	.171
Teresina			
less than 1	.153	.102	.088
1 to 2	.194	.117	.106
2 to 3	.257	.148	.164
3 to 5	.299	.160	.203
5 to 10	.332	.149	.229
more than 10	-----	.143	-----
Maceio			
less than 1	.098	.066	.073
1 to 2	.150	.116	.074
2 to 3	.201	.154	.112
3 to 5	.270	.158	.158
5 to 10	.319	.171	.199
more than 10	-----	.165	-----
Aracaju			
less than 1	.110	.087	.068
1 to 2	.190	.118	.092
2 to 3	.220	.152	.103
3 to 5	.253	.152	.125
5 to 10	.302	.150	.186
more than 10	.306	.159	.196
Feira de Santana			
less than 1	.153	.093	.078
1 to 2	.169	.085	.098
2 to 3	.203	.119	.120
3 to 5	.221	.104	.151
5 to 10	.288	.136	.202
more than 10	-----	.135	-----

Table 6: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>Northeast*</i>			
Campina Grande			
less than 1	.181	.083	.144
1 to 2	.166	.121	.103
2 to 3	.204	.130	.133
3 to 5	.330	.148	.226
5 to 10	-----	.142	-----
more than 10	-----	.162	-----
<i>Central-West</i>			
Vale do Rio Cuiabá			
less than 1	.162	.116	.098
1 to 2	.187	.136	.097
2 to 3	.250	.173	.130
3 to 5	.296	.194	.152
5 to 10	.319	.182	.200
more than 10	-----	.185	-----
Goiânia			
less than 1	.135	.109	.068
1 to 2	.151	.114	.079
2 to 3	.213	.142	.096
3 to 5	.237	.165	.122
5 to 10	.279	.162	.145
more than 10	.264	.145	.173
Brasília			
less than 1	.074	.062	.024
1 to 2	.103	.090	.033
2 to 3	.158	.131	.047
3 to 5	.199	.140	.065
5 to 10	.233	.195	.061
more than 10	.237	.157	.086
<i>Southeast</i>			
Rio de Janeiro			
less than 1	.138	.124	.093
1 to 2	.166	.167	.075
2 to 3	.253	.225	.076
3 to 5	.326	.269	.094
5 to 10	.374	.287	.120
more than 10	.349	.259	.135
Belo Horizonte			
less than 1	.225	.177	.101
1 to 2	.268	.198	.109
2 to 3	.339	.233	.156
3 to 5	.373	.248	.177
5 to 10	.411	.262	.210
more than 10	-----	.267	-----

*No income data was available for Itabuna and São Luis.

Table 7: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>Southeast</i>			
Vitoria			
less than 1	.261	.208	.118
1 to 2	.316	.232	.147
2 to 3	.332	.206	.168
3 to 5	.305	.199	.176
5 to 10	.310	.177	.174
more than 10	-----	.163	-----
Barra Mansa\Volta Redonda			
less than 1	.162	.128	.102
1 to 2	.194	.154	.112
2 to 3	.266	.198	.155
3 to 5	.332	.246	.214
5 to 10	-----	.278	-----
more than 10	-----	-----	-----
Juiz de Fora			
less than 1	.200	.133	.108
1 to 2	.249	.185	.114
2 to 3	.345	.230	.161
3 to 5	.392	.240	.216
5 to 10	.336	.222	.237
more than 10	-----	.279	-----
Ipatinga			
less than 1	.074	.073	.064
1 to 2	.120	.097	.064
2 to 3	.220	.125	.118
3 to 5	.225	.157	.112
5 to 10	.281	.201	.212
more than 10	-----	.232	-----
Uberlandia			
less than 1	.160	.151	.087
1 to 2	.190	.162	.072
2 to 3	.235	.188	.087
3 to 5	.292	.193	.138
5 to 10	.323	.193	.224
more than 10	-----	.227	-----
Campos			
less than 1	.227	.166	.111
1 to 2	.268	.198	.150
2 to 3	.313	.209	.199
3 to 5	.321	.202	.221
5 to 10	-----	.212	-----
more than 10	-----	.236	-----

Table 8: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>Southeast</i>			
São Paulo Capital			
less than 1	.167	.175	.070
1 to 2	.231	.239	.071
2 to 3	.283	.292	.101
3 to 5	.300	.300	.125
5 to 10	.344	.309	.169
more than 10	-----	.342	-----
Santos			
less than 1	.202	.202	.086
1 to 2	.263	.274	.091
2 to 3	.304	.324	.125
3 to 5	.306	.318	.138
5 to 10	.314	.308	.183
more than 10	-----	.290	-----
Campinas			
less than 1	.171	.127	.096
1 to 2	.210	.163	.102
2 to 3	.255	.230	.106
3 to 5	.321	.277	.163
5 to 10	.330	.295	.166
more than 10	-----	-----	-----
São José dos Campos			
less than 1	.175	.192	.059
1 to 2	.170	.200	.059
2 to 3	.195	.177	.086
3 to 5	.263	.209	.106
5 to 10	.353	.219	.173
more than 10	-----	.187	-----
Sorocaba (Tatui/Boituva)*			
less than 1	.234	.255	.181
1 to 2	.290	.278	.172
2 to 3	-----	.309	-----
3 to 5	-----	-----	-----
5 to 10	-----	-----	-----
more than 10	-----	-----	-----
Ribeirão Preto			
less than 1	.184	.179	.084
1 to 2	.222	.205	.085
2 to 3	.267	.252	.100
3 to 5	.314	.259	.124
5 to 10	-----	.288	—
more than 10	-----	-----	-----

*Not enough blacks and browns to compute indexes at the higher income categories.

Table 9: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>Southeast</i>			
Jundiaí			
less than 1	.173	.242	.144
1 to 2	.178	.224	.137
2 to 3	.215	.242	.186
3 to 5	.252	.233	.183
5 to 10	.245	.267	.227
more than 10	-----	-----	-----
<i>South</i>			
Porto Alegre			
less than 1	.324	.219	.181
1 to 2	.308	.216	.168
2 to 3	.287	.214	.161
3 to 5	.282	.224	.157
5 to 10	.301	.227	.184
more than 10	-----	-----	-----
Curitiba			
less than 1	.122	.138	.067
1 to 2	.161	.174	.071
2 to 3	.205	.214	.088
3 to 5	.254	.213	.114
5 to 10	.277	.198	.142
more than 10	-----	.222	-----
Pelotas-Rio Grande			
less than 1	.138	.126	.106
1 to 2	.176	.158	.142
2 to 3	.186	.171	.116
3 to 5	.271	.201	.178
5 to 10	.352	.260	.226
more than 10	-----	-----	-----
Florianópolis			
less than 1	.247	.176	.188
1 to 2	.189	.148	.182
2 to 3	.185	.146	.177
3 to 5	.249	.171	.223
5 to 10	.267	.210	.226
more than 10	-----	.203	-----
Londrina			
less than 1	.144	.149	.089
1 to 2	.198	.182	.072
2 to 3	.325	.238	.141
3 to 5	.339	.272	.217
5 to 10	.375	.231	.230
more than 10	-----	.211	-----

Table 10: Index of Dissimilarity for Specific Cities by Income Group Cont. — 2010.

Metropolitan area and income groups (number of minimum wages)	2010		
	White vs. Black	White vs. Brown	Brown vs. Black
<i>South</i>			
Joinville			
less than 1	.170	.170	.146
1 to 2	.162	.150	.138
2 to 3	.189	.160	.157
3 to 5	.181	.175	.187
5 to 10	.272	.165	.189
more than 10	-----	-----	-----
Caxias do Sul			
less than 1	.196	.199	.162
1 to 2	.195	.211	.129
2 to 3	.196	.199	.162
3 to 5	.285	.292	.150
5 to 10	-----	.242	-----
more than 10	-----	-----	-----
Combined Index*			
less than 1	.293	.306	.226
1 to 2	.326	.357	.202
2 to 3	.345	.383	.213
3 to 5	.376	.410	.247
5 to 10	.390	.421	.278
more than 10	.379	.425	.303

*The **combined index** refers to the pooled data for all metropolitan areas by income categories. Note that data for Itabina and São Luis was not available, and Salvador, Brasília, Goiania and Pelotas-Rio Grande were not included in the combined index because they were at the sub-district level.

Note: Replication files are available here:

<https://gitlab.com/rubiavalente/residential-segregation-in-brazil-2010>