**Appendix**

**Definitions:**

($d\_{c}$): Disproportionality Index. Formula:

$$d\_{c}=\frac{\sum\_{i\in N}^{}\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|}{n\_{c}}$$

($r\_{c})$: Range of Representation from the most underrepresented $\left(\frac{P\_{u}^{I}}{P\_{u}^{T}}\right)$ to the most overrepresented $\left(\frac{P\_{o}^{I}}{P\_{o}^{T}}\right)$ categories. Defined as:

$$r\_{c}=\left[\left(\frac{P\_{u}^{I}}{P\_{u}^{T}}\right),\left(\frac{P\_{o}^{I}}{P\_{o}^{T}}\right)\right]$$

PT: Percent of total population

PI: Percent of incarcerated population

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **data year** | **(**$d\_{c}$**)** | **(**$r\_{c})$ | **Hom. Rate** | **Incar. Rate** | **Incar. Pop** | **GINI** | **HDI** | **WHR** | **DEM** |
| Ireland | 2017 | 6.4 | [0.73, 19] | 0.80 | 78 | 3718 | 31.90 | 0.94 | 6.98 | 9.15 |
| Switzerland | 2017 | 5.3 | [0.56, 14] | 0.54 | 82 | 6912 | 32.50 | 0.94 | 7.49 | 9.09 |
| Australia | 2016 | 4.5 | [0.75, 9.7] | 0.94 | 161 | 38845 | 34.70 | 0.94 | 7.27 | 9.01 |
| Greece | 2011 | 3.7 | [0.39, 7] | 0.75 | 89 | 12479 | 35.80 | 0.87 | 5.36 | 7.23 |
| Finland | 2017 | 3.3 | [0.87, 8.5] | 1.42 | 57 | 3120 | 26.80 | 0.92 | 7.63 | 9.03 |
| Norway | 2012 | 2.5 | [0.75, 5.83] | 0.51 | 72 | 3591 | 26.80 | 0.95 | 7.59 | 9.93 |
| Latvia | 2012 | 2.4 | [0.71, 13.9] | 3.36 | 321 | 6561 | 35.10 | 0.85 | 5.93 | 7.31 |
| Canada | 2016 | 1.9 | [0.33, 5.7] | 1.68 | 114 | 40663 | 34.00 | 0.93 | 7.33 | 9.15 |
| Italy | 2014 | 1.6 | [0.73, 4] | 0.67 | 88 | 53263 | 34.70 | 0.88 | 6.00 | 7.98 |
| France | 2013 | 1.4 | [0.82, 3.6] | 1.35 | 110 | 7190 | 32.30 | 0.90 | 6.49 | 7.92 |
| England and Wales | 2018 | .82 | [0.85, 3.75] | 1.22 | 146 | 85348 | 34.10 | 0.92 | 6.81 | 8.36 |
| New Zealand | 2013 | 1 | [0.45, 3.38] | 0.94 | 190 | 8571 | 35.00 | 0.92 | 7.32 | 9.26 |
| United States | 2016 | .73 | [0.49, 2.5] | 5.35 | 450 | 1506800 | 41.50 | 0.92 | 6.89 | 7.98 |
| Spain | 2018 | .68 | [0.82, 2.18] | 0.63 | 133 | 61526 | 36.00 | 0.89 | 6.31 | 8.3 |
| South Africa | 2016 | .69 | [0.19, 2] | 33.97 | 291 | 161984 | 63.00 | 0.70 | 4.72 | 7.41 |
| Brazil | 2016 | .33 | [0.64, 1.3] | 29.35 | 347 | 726712 | 53.30 | 0.76 | 6.42 | 6.9 |
| Germany | 2017 | .3 (1.1) | [0.9, 1.5] ([.86, 3.1]) | 1.18 | 76 | 62865 | 31.40 | 0.94 | 6.97 | 8.63 |
| India | 2015 | .25 | [0.75, 1.64] | 3.22 | 33 | 418536 | 35.70 | 0.64 | 4.19 | 7.81 |

**Table 1.** In order from left to right, for each country: Census data year, disproportionality index, ratio, homicide rate, incarceration rate, total incarcerated population, GINI index score (<https://data.worldbank.org/indicator/SI.POV.GINI> ), Human Development Index Score (<http://hdr.undp.org/en/data>), World Happiness Report score (<https://worldhappiness.report/ed/2016> ),Democracy Index score (<http://democracyranking.org/wordpress/rank/democracy-ranking-2016> ).

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Police per Capita** | **Data Year** | **Source** |
| Ireland | 277 | 2014 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en>  |
| Switzerland | 217 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en>  |
| Australia | 274 | 2017 | <https://www.pc.gov.au/research/ongoing/report-on-government-services/2018/justice/police-services/rogs-2018-partc-chapter6.pdf>  |
| Greece | 489 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| Finland | 137 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| Norway | 168 | 2014 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| Latvia | 428 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| Canada | 187 | 2017 | <https://www.statista.com/statistics/529925/police-personnel-rate-in-canada-and-us/>  |
| Italy | 452 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| France | 320 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| England and Wales | 211 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| New Zealand | 189 | 2016 | <https://www.police.govt.nz/about-us/75-years-women-police/celebrating-our-current-staff/current-statistics-women-nz-police>  |
| United States | 220 | 2016 | <https://ucr.fbi.gov/crime-in-the-u.s/2016/crime-in-the-u.s.-2016/topic-pages/tables/table-24/>  |
| Spain | 361 | 2016 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| South Africa | 341 | 2017 | <http://www.policesecretariat.gov.za/downloads/reports/CAPACITY_SA_POPULATION_POLICY_DYNAMICS_2018-19.pdf> (p.3)  |
| Brazil | 211 | 2014 | <https://exame.abril.com.br/brasil/noticias/brasil-tem-deficit-de-20-mil-policiais-em-seu-efetivo>  |
| Germany | 297 | 2019 | <https://ec.europa.eu/eurostat/databrowser/view/crim_just_job/default/table?lang=en> |
| India | 195 | 2020 | <https://pib.gov.in/PressReleseDetailm.aspx?PRID=1684384>  |
| **AVG.** | **276** |   |  |

**Table 2**. Police Per Capita.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Australia** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **4.5** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.75, 9.7]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| White and Other | 97% | 72% | **0.75** | **.25** |
| Aboriginal/Torres Isldr. | 2.8% | 27% | **9.7** | **8.7** |

**Table 3.** Data and calculation for **Australia**, 2016.

Source for total population statistics: [https://www.abs.gov.au/ausstats/abs@.nsf/mediareleasesbyReleaseDate/02D50FAA9987D6B7CA25814800087E03?OpenDocument](https://www.abs.gov.au/ausstats/abs%40.nsf/mediareleasesbyReleaseDate/02D50FAA9987D6B7CA25814800087E03?OpenDocument)

Source for incarcerated population statistics: Australian Bureau of Statistics (2016). 45170DO001\_2016 Prisoners in Australia, Table 2. 2016[https://www.abs.gov.au/ausstats/abs@.nsf/Lookup/by%20Subject/4517.0~2016~Main%20Features~Aboriginal%20and%20Torres%20Strait%20Islander%20prisoner%20characteristics~5](https://www.abs.gov.au/ausstats/abs%40.nsf/Lookup/by%20Subject/4517.0~2016~Main%20Features~Aboriginal%20and%20Torres%20Strait%20Islander%20prisoner%20characteristics~5)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brazil** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.33** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.64, 1.3]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| White | 48% | 31% | **0.64** | **.36** |
| Black | 51% | 67% | **1.3** | **.3** |

**Table 4.** Data and calculation for **Brazil**, 2016.

Source for total and prison population statistics: Ministério da Justiça (MJ). Levantamento Nacional de Informações Penitenciárias – INFOPEN 2014. Brasília: MJ; 2015. P. 50 <https://www.justica.gov.br/news/mj-divulgara-novo-relatorio-do-infopen-nesta-terca-feira/relatorio-depen-versao-web.pdf>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Canada** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **1.9** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.33, 5.7]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Caucasian | 73% | 55% | **.75** | **.25** |
| Aboriginal  | 4.9% | 26% | **5.3** | **4.3** |
| Black | 3.5% | 9% | **2.6** | **1.6** |
| Asian | 15% | 5% | **.33** | **.67** |
| Hispanic | 1.3% | 1% | **.76** | **.23** |
| Multi-Racial | 0.7% | 4% | **5.7** | **4.7** |

**Table 5.** Data and calculation for **Canada**, 2016.

Source for total population statistics: <https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/details/page.cfm?Lang=E&Geo1=PR&Code1=01&Geo2=PR&Code2=01&Data=Count&SearchText=canada&SearchType=Begins&SearchPR=01&B1=All&TABID=1>

Source for incarcerated population statistics: <https://www150.statcan.gc.ca/n1/pub/85-002-x/2018001/article/54972-eng.htm>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **England and Wales** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.82** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.85, 3.75]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| White | 86% | 73.25% | **.85** | **.15** |
| Mixed | 2.2% | 4.26% | **1.93** | **.93** |
| Asian | 7.5% | 8.16% | **1** | **.08** |
| Black | 3.3% | 12.4% | **3.75** | **2.75** |
| Other | 1% | 1.2% | **1.2** | **.2** |

**Table 6.** Data and calculation for **England and Wales**, 2018. \*Total population statistics are only available for 2011.

Source for total population Statistics: <https://www.ethnicity-facts-figures.service.gov.uk/british-population/national-and-regional-populations/population-of-england-and-wales/latest>

Source for incarcerated population statistics (2018): <https://www.gov.uk/government/statistics/offender-management-statistics-quarterly-january-to-march-2018>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Finland** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **3.3** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.87, 8.5]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Fins | 95% | 83% | **.87** | **.13** |
| Estonians | 0.9% | 4% | **4.4** | **3.4** |
| Iraqis | 0.2% | 1.7% | **8.5** | **7.5** |
| Foreign other | 3.5% | 11% | **3.1** | **2.1** |

**Table 7.** Data and calculation for **Finland**, 2016.

Source for total population Statistics (2017): <https://www.stat.fi/tup/suoluk/suoluk_vaesto_en.html>

Source for incarcerated population statistics: <https://www.rikosseuraamus.fi/material/attachments/rise/julkaisut-tilastollinenvuosikirja/oBJJPSYJl/RISE_Statistical_Yearbook_2016.pdf>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **France** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **1.4** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.82, 3.6]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Citizen | 94% | 78% | **.82** | **.18** |
| Foreigner\* | 6% | 22% | **3.6** | **2.6** |

**Table 8.** Data and calculation for **France**, 2018.

Source for total population Statistics (2018): <https://www.insee.fr/en/statistiques/2382601?sommaire=2382613>

Source for incarcerated population statistics: <https://www.prisonstudies.org/country/france>

\*Estimates place the representation of Muslims in French prisons at between 40% to 60%. See: Beckford, J., Joly, D., & Khosrokhavar, F. (2016). Muslims in prison: Challenge and change in Britain and France. Springer.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Germany** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.3 (1.1)** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.9, 1.5] ([.86, 3.1])** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| German | 84% | 76% | **.9** | **.1** |
| Foreigner\* | 16% | 24% | **1.5** | **.5** |
| Religious Self-Identification | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Christian | 93% | 80% | **.86** | **.14** |
| Muslim | 6% | 19% | **3.1** | **2.1** |

**Table 9.** Data and calculation for **Germany**, 2017.

Source for total population Statistics (2015): <https://data.oecd.org/migration/foreign-born-population.htm> Source for incarcerated population statistics (2017): <https://www.prisonstudies.org/country/germany>

Source for incarcerated population by religion (2018): [https://web.archive.org/web/20190213103811/https://www.huffingtonpost.de/entry/muslime-haft\_de\_5a2a8c24e4b073789f6910f2](https://web.archive.org/web/20190213103811/https%3A//www.huffingtonpost.de/entry/muslime-haft_de_5a2a8c24e4b073789f6910f2)

Source for total population by religion: Pew Research Center (2017): <https://www.pewforum.org/essay/the-growth-of-germanys-muslim-population/>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Greece** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **3.7** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.39, 7]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Greek | 91% | 36% | **.39** | **.61** |
| Foreign | 9% | 64% | **7** | **6** |

**Table 10**. Data and calculation for **Greece**, 2011.

Source for total population statistics: <https://www.statistics.gr/documents/20181/1215267/A1602_SAM07_DT_DC_00_2011_01_F_EN.pdf/fb71f487-c113-4f0e-8055-e301c68377b4>

Source for prison population statistics: Hellenistic Statistical Authority. (2015). E28. Prisoners held in detention centers as of December 31st, by sex, nationality, age, sentenced-awaiting trial (2001 – 2015) (Version 1.0): [https://www.statistics.gr/documents/20181/989564/E28.+Prisoners+held+in+detention+centers+as+at+31st+December%2C+by+sex%2C+nationality%2C+age%2C+sentenced-awaiting+trial+%28+2001+-+2015+%29.xlsx/3168c034-d7fe-945f-c213-eefe49556155?version=1.0&t=1572860790872&download=true](https://www.statistics.gr/documents/20181/989564/E28.%2BPrisoners%2Bheld%2Bin%2Bdetention%2Bcenters%2Bas%2Bat%2B31st%2BDecember%2C%2Bby%2Bsex%2C%2Bnationality%2C%2Bage%2C%2Bsentenced-awaiting%2Btrial%2B%28%2B2001%2B-%2B2015%2B%29.xlsx/3168c034-d7fe-945f-c213-eefe49556155?version=1.0&t=1572860790872&download=true)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **India** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.25** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.75, 1.64]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| General | 30% | 34% | **1.13** | **.13** |
| OBC | 41% | 31% | **.75** | **.25** |
| Scheduled Caste | 20% | 21% | **1.05** | **0** |
| Scheduled Tribes | 8.5% | 14% | **1.64** | **.64** |

**Table 11**. Data and calculation for **India**, 2015.

Source for total population statistics: <https://secc.gov.in>

Source for incarcerated population statistics: National Crime Records Bureau (2015). Prison Statistics India 2015. Chart 5.3: <https://ncrb.gov.in/sites/default/files/PSI-2015-%2018-11-2016_0.pdf>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ireland** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **6.4** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.73, 19]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Irish | 88% | 65% | **.73** | **.27** |
| Travelers | 0.6% | 11.6% | **19** | **18** |
| Foreigners | 12% | 22.6% | **1.88** | **.88** |

**Table 12**. Data and calculation for **Ireland**, 2017.

Source for total population statistics (2016): <https://www.cso.ie/en/releasesandpublications/ep/p-cp7md/p7md/p7anii/>

Source for Traveller Statistics: <http://www.justice.ie/en/JELR/Pages/SP17000355>

Source for incarcerated population statistics: <http://www.justice.ie/en/JELR/Irish_Prison_Service_Annual_Report_2017.pdf/Files/Irish_Prison_Service_Annual_Report_2017.pdf>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Italy** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **1.6** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.73, 4]** |  |  |  |
|  |  |  |  |  |
| Census Category | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Italian | 92% | 68% | **.73** | **.27** |
| Foreign | 8% | 32% | **4** | **3** |

**Table 13**. Data and calculation for **Italy**, 2018.

Source for total population statistics (2018): <https://www.worldometers.info/world-population/italy-population/>

Source for foreign population statistics (2015): <https://www.istat.it/it/archivio/149003>

Source for incarcerated population statistics: <http://dati.istat.it/>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Latvia** |  |  |  |   |
| **Disproportionality Index** (dc = …) | **2.4** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.71, 13.9]** |  |  |  |
|  |  |  |  |  |
| **Ethnic Group\*** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Latvian | 62% | 44.2% | **.71** | **.29** |
| Russian | 27% | 42.5% | **1.58** | **.58** |
| Roma | 0.3% | 4.17% | **13.9** | **12.9** |
| Belarussian | 3.3% | 2.8% | **.84** | **.16** |
| Ukrainian | 2.2% | 1.9% | **.86** | **.14** |
| Lithuanian | 1.2% | 1.65% | **1.38** | **.38** |

**Table 14**. Data and calculation for **Latvia**, 2012. \*Data was available that broke down the Latvian prison population specifically by ethnic group from prisonobservatory.org.

Source for total population statistics: <https://stat.gov.lv/lv/meklet?Search=%22%22&DataSource=%22data%22&Type=%5B%22table%22%2C%22other_format%22%5D> \*

Source for incarcerated population statistics (pp. 12 – 14): <https://drive.google.com/file/d/1YELbBNVMb4SFt4G6yeic_pMWm58Yzb8u/view>

\*Population statistics are not currently being archived by the Latvian Bureau of Statistics. Information for the years approximating 2012 were archived at: <https://en.wikipedia.org/wiki/Demographics_of_Latvia>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **New Zealand** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **1** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.45, 3.38]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| European | 74% | 33.9% | **.45** | **.55** |
| Asian | 11.8% | 2.9% | **.24** | **.76** |
| Pacific Peoples | 7.4% | 11.4% | **1.54** | **.54** |
| Other | 1.59% | 0.8% | **.5** | **.95** |
| Maori | 14.9% | 50.3% | **3.38** | **2.38** |

**Table 15**. Data and calculation for **New Zealand**, 2013.

Source for total population statistics: <https://www.stats.govt.nz/information-releases/national-ethnic-population-projections-2013base2038-update>

Source for incarcerated population statistics: <https://www.corrections.govt.nz/resources/research_and_statistics/quarterly_prison_statistics/previous_years_prison_statistics/CP_December_2013.html>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Norway** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **2.5** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.75, 5.83]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Norwegian Citizen | 94.14% | 70.83% | **.75** | **.25** |
| Non-Citizen | 5% | 29.17% | **5.83** | **4.83** |

**Table 16**. Data and calculation for **Norway**, 2012.

Source for total population statistics: <https://www.statista.com/statistics/586489/population-by-citizenship-in-norway/>

Source for incarcerated population statistics: <https://www.ssb.no/en/sosiale-forhold-og-kriminalitet/statistikker/fengsling/aar/2014-07-04>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **South Africa** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.69** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.19, 2]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Black | 80.48% | 79.6% | **.98** | **.2** |
| Colored | 8.79% | 18.2% | **2** | **1** |
| White | 8.25% | 1.6% | **.19** | **.81** |
| Asian/Indian | 2.48% | 0.6% | **.24** | **.76** |

**Table 17**. Data and calculation for **South Africa**, 2016.

Source for total population statistics (2019): <https://www.statssa.gov.za/publications/P0302/P03022019.pdf>

Source for incarcerated population statistics: <https://africacheck.org/factsheets/factsheet-the-state-of-south-africas-prisons/>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Spain** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.68** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.82, 2.18]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Spanish | 87.2% | 72% | .82 | .18 |
| Foreign | 12.8% | 28% | **2.18** | 1.18 |

**Table 18**. Data and calculation for **Spain**, 2018.

Source for total population statistics (2017): <https://datosmacro.expansion.com/demografia/migracion/inmigracion/espana>

Source for incarcerated population statistics (2019): <https://www.prisonstudies.org/country/spain>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Switzerland**  |  |  |  |  |
| **Disproportionality Index** (dc = …) | **5.3** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.56, 14]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| Swiss | 73.1% | 32% | **.56** | **.44** |
| Foreign Residents | 26.1% | 22% | **.16** | **.84** |
| Asylum Seekers | 0.8% | 12% | **14** | **13** |
| Other foreigners/status unknown | 3.7% | 34% | **8** | **7** |

**Table 19**. Data and calculation for **Switzerland**, 2017. \* Total population is over 100% because it includes approx. 300k cross-border workers who are counted as occupying more than one country.

Source for percent of total population by residency status: <https://www.bfs.admin.ch/bfs/en/home/statistics/population/migration-integration/by-migration-status.html>

Source for percent of Asylum Seekers in total population:

<https://www.sem.admin.ch/dam/data/sem/publiservice/statistik/bestellung/auslaender-asylstatistik-2019-e.pdf> (Page 75)

Source for estimate of ‘Other Foreigners/status unknown” category: <https://www.swissinfo.ch/eng/employment_cross-border-workers-entering-switzerland-set-record-in-2019/45365250>

Source for incarcerated population statistics: <https://www.bfs.admin.ch/asset/de/je-d-19.04.01.28>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **United States** |  |  |  |  |
| **Disproportionality Index** (dc = …) | **.73** |  |  |  |
| **Range of Disproportion** (rc = …) | **[0.49, 2.5]** |  |  |  |
|  |  |  |  |  |
| **Census Category** | PT | PI | $\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)$  | $$\left|1-\left(\frac{P\_{i}^{I}}{P\_{i}^{T}}\right)\right|$$ |
| White (non-Hispanic) | 61% | 30.2% | **.49** | **.51** |
| Black | 13.4% | 33.4% | **2.5** | **1.5** |
| Hispanic | 18.5% | 23.2% | **1.25** | **.25** |
| Other | 8% | 13.3% | **1.66** | **.66** |

**Table 20**. Data and calculation for **United States**, 2016.

Source for total population statistics: United States Census Bureau (2016). American Community Survey: DEMOGRAPHIC AND HOUSING ESTIMATES, TableID: DP05. <https://data.census.gov/cedsci/table?q=race%20ethnicity%202016&hidePreview=false&tid=ACSDP1Y2016.DP05&t=Race%20and%20Ethnicity&y=2016&vintage=2016>

Source for incarcerated population by race and ethnicity statistics: Carson (2018), Table 9: <https://bjs.ojp.gov/content/pub/pdf/p16.pdf>

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| **Table. 21 Summary of Data Sources** |
| Australia |
| Source for total population statistics: [https://www.abs.gov.au/ausstats/abs@.nsf/mediareleasesbyReleaseDate/02D50FAA9987D6B7CA25814800087E03?OpenDocument](https://www.abs.gov.au/ausstats/abs%40.nsf/mediareleasesbyReleaseDate/02D50FAA9987D6B7CA25814800087E03?OpenDocument) |
| Source for incarcerated population statistics: Australian Bureau of Statistics (2016). 45170DO001\_2016 Prisoners in Australia, Table 2. 2016[https://www.abs.gov.au/ausstats/abs@.nsf/Lookup/by%20Subject/4517.0~2016~Main%20Features~Aboriginal%20and%20Torres%20Strait%20Islander%20prisoner%20characteristics~5](https://www.abs.gov.au/ausstats/abs%40.nsf/Lookup/by%20Subject/4517.0~2016~Main%20Features~Aboriginal%20and%20Torres%20Strait%20Islander%20prisoner%20characteristics~5)  |
| Brazil |
| Source for total and prison population statistics: Ministério da Justiça (MJ). Levantamento Nacional de Informações Penitenciárias – INFOPEN 2014. Brasília: MJ; 2015. P. 50 <https://www.justica.gov.br/news/mj-divulgara-novo-relatorio-do-infopen-nesta-terca-feira/relatorio-depen-versao-web.pdf>  |
| Canada |
| Source for total population statistics: <https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/details/page.cfm?Lang=E&Geo1=PR&Code1=01&Geo2=PR&Code2=01&Data=Count&SearchText=canada&SearchType=Begins&SearchPR=01&B1=All&TABID=1>  |
| Source for incarcerated population statistics: <https://www150.statcan.gc.ca/n1/pub/85-002-x/2018001/article/54972-eng.htm>  |
| England and Wales |
| Source for total population Statistics: <https://www.ethnicity-facts-figures.service.gov.uk/british-population/national-and-regional-populations/population-of-england-and-wales/latest>  |
| Source for incarcerated population statistics (2018): <https://www.gov.uk/government/statistics/offender-management-statistics-quarterly-january-to-march-2018>  |
| Finland |
| Source for total population Statistics (2017): <https://www.stat.fi/tup/suoluk/suoluk_vaesto_en.html> |
| Source for incarcerated population statistics: <https://www.rikosseuraamus.fi/material/attachments/rise/julkaisut-tilastollinenvuosikirja/oBJJPSYJl/RISE_Statistical_Yearbook_2016.pdf>  |
| France |
| Source for total population Statistics (2018): <https://www.insee.fr/en/statistiques/2382601?sommaire=2382613>  |
| Source for incarcerated population statistics: <https://www.prisonstudies.org/country/france> \*Estimates place the representation of Muslims in French prisons at between 40% to 60%. See: Beckford, J., Joly, D., & Khosrokhavar, F. (2016). Muslims in prison: Challenge and change in Britain and France. Springer. |
| Germany |
| Source for total population Statistics (2015): <https://data.oecd.org/migration/foreign-born-population.htm> Source for incarcerated population statistics (2017): <https://www.prisonstudies.org/country/germany>  |
| Source for total population by religion: Pew Research Center (2017): <https://www.pewforum.org/essay/the-growth-of-germanys-muslim-population/>  |
| Source for incarcerated population by religion (2018): [https://web.archive.org/web/20190213103811/https://www.huffingtonpost.de/entry/muslime-haft\_de\_5a2a8c24e4b073789f6910f2](https://web.archive.org/web/20190213103811/https%3A//www.huffingtonpost.de/entry/muslime-haft_de_5a2a8c24e4b073789f6910f2) |
| Greece |
| Source for total population statistics: <https://www.statistics.gr/documents/20181/1215267/A1602_SAM07_DT_DC_00_2011_01_F_EN.pdf/fb71f487-c113-4f0e-8055-e301c68377b4>  |
| Source for prison population statistics: Hellenistic Statistical Authority. (2015). E28. Prisoners held in detention centers as of December 31st, by sex, nationality, age, sentenced-awaiting trial (2001 – 2015) (Version 1.0): [https://www.statistics.gr/documents/20181/989564/E28.+Prisoners+held+in+detention+centers+as+at+31st+December%2C+by+sex%2C+nationality%2C+age%2C+sentenced-awaiting+trial+%28+2001+-+2015+%29.xlsx/3168c034-d7fe-945f-c213-eefe49556155?version=1.0&t=1572860790872&download=true](https://www.statistics.gr/documents/20181/989564/E28.%2BPrisoners%2Bheld%2Bin%2Bdetention%2Bcenters%2Bas%2Bat%2B31st%2BDecember%2C%2Bby%2Bsex%2C%2Bnationality%2C%2Bage%2C%2Bsentenced-awaiting%2Btrial%2B%28%2B2001%2B-%2B2015%2B%29.xlsx/3168c034-d7fe-945f-c213-eefe49556155?version=1.0&t=1572860790872&download=true) |
| India |
| Source for total population statistics: <https://secc.gov.in>  |
| Source for incarcerated population statistics: National Crime Records Bureau (2015). Prison Statistics India 2015. Chart 5.3: <https://ncrb.gov.in/sites/default/files/PSI-2015-%2018-11-2016_0.pdf>  |
| Ireland |
| Source for total population statistics (2016): <https://www.cso.ie/en/releasesandpublications/ep/p-cp7md/p7md/p7anii/>  |
| Source for incarcerated population statistics: <http://www.justice.ie/en/JELR/Irish_Prison_Service_Annual_Report_2017.pdf/Files/Irish_Prison_Service_Annual_Report_2017.pdf> |
| Source for Traveller Statistics: <http://www.justice.ie/en/JELR/Pages/SP17000355>  |
| Italy |
| Source for total population statistics (2018): <https://www.worldometers.info/world-population/italy-population/>  |
| Source for foreign population statistics (2015): <https://www.istat.it/it/archivio/149003>  |
| Source for incarcerated population statistics: <http://dati.istat.it/>  |
| Latvia |
| Source for total population statistics: <https://stat.gov.lv/lv/meklet?Search=%22%22&DataSource=%22data%22&Type=%5B%22table%22%2C%22other_format%22%5D> \* |
| Population statistics are not currently being archived by the Latvian Bureau of Statistics. Information for the years approximating 2012 were archived at: <https://en.wikipedia.org/wiki/Demographics_of_Latvia> |
| Source for incarcerated population statistics (pp. 12 – 14): <https://drive.google.com/file/d/1YELbBNVMb4SFt4G6yeic_pMWm58Yzb8u/view> |
| New Zealand |
| Source for total population statistics: <https://www.stats.govt.nz/information-releases/national-ethnic-population-projections-2013base2038-update>  |
| Source for incarcerated population statistics: <https://www.corrections.govt.nz/resources/research_and_statistics/quarterly_prison_statistics/previous_years_prison_statistics/CP_December_2013.html> |
| Norway |
| Source for total population statistics: <https://www.statista.com/statistics/586489/population-by-citizenship-in-norway/>  |
| Source for incarcerated population statistics: <https://www.ssb.no/en/sosiale-forhold-og-kriminalitet/statistikker/fengsling/aar/2014-07-04>  |
| South Africa |
| Source for total population statistics (2019): <https://www.statssa.gov.za/publications/P0302/P03022019.pdf>  |
| Source for incarcerated population statistics: <https://africacheck.org/factsheets/factsheet-the-state-of-south-africas-prisons/>  |
| Spain |
| Source for total population statistics (2017): <https://datosmacro.expansion.com/demografia/migracion/inmigracion/espana>  |
| Source for incarcerated population statistics (2019): <https://www.prisonstudies.org/country/spain>  |
| Switzerland |
| Source for percent of total population by residency status: <https://www.bfs.admin.ch/bfs/en/home/statistics/population/migration-integration/by-migration-status.html>  |
| Source for percent of Asylum Seekers in total population: <https://www.sem.admin.ch/dam/data/sem/publiservice/statistik/bestellung/auslaender-asylstatistik-2019-e.pdf> (Page 75) |
| Source for estimate of ‘Other Foreigners/status unknown” category: <https://www.swissinfo.ch/eng/employment_cross-border-workers-entering-switzerland-set-record-in-2019/45365250> |
| Source for incarcerated population statistics: <https://www.bfs.admin.ch/asset/de/je-d-19.04.01.28>  |
| United States |
| Source for total population statistics: United States Census Bureau (2016). American Community Survey: DEMOGRAPHIC AND HOUSING ESTIMATES, TableID: DP05. <https://data.census.gov/cedsci/table?q=race%20ethnicity%202016&hidePreview=false&tid=ACSDP1Y2016.DP05&t=Race%20and%20Ethnicity&y=2016&vintage=2016>  |
| Source for incarcerated population by race and ethnicity statistics: Carson (2018), Table 9: <https://bjs.ojp.gov/content/pub/pdf/p16.pdf>  |