APPENDIX A

Table A1. County Names Associated with unique Residence Code provided by NIJ

|  |  |  |
| --- | --- | --- |
| Unique  Residence Code (NIJ) | PUMA (combined) | Associated County Names |
| 1 | 1003, 4400 | Fulton, Douglas |
| 2 | 1008, 4300 | DeKalb,Newton, Rockdale |
| 3 | 1200, 1300 | Appling, Evans,Jeff, Davis, Montgomery, Tattnall, Telfair, Toombs,Wayne, Wheeler, Bleckley, Candler, Dodge, Emanuel, Johnson, Laurens, Treutlen, Wilcox |
| 4 | 1400, 1500, 1600 | Bibb, Houston, Pulaski, Baldwin, Crawford, Jones, Monroe, Peach,Putnam, Twiggs, Wilkinson |
| 5 | 1700, 1800 | Chattahoochee, Muscogee, Clay, Crisp, Dooly, Harris, Macon, Marion, Quitman, Randolph, Schley, Stewart |
| 6 | 2001, 2002, 2003, 4005 | DeKalb,Gwinnett |
| 7 | 100, 200, 500 | Camden, Glynn, McIntosh, Bryan, Liberty, Long,Atkinson, Bacon, Brantley, Charlton, Clinch |
| 8 | 4000, 4100, 4200 | Richmond, Columbia, Burke, Glascock, Hancock, Jefferson, Jenkins, Lincoln, McDuffle, Taliaferro, Warren, Washington |
| 9 | 5001, 6001, 6002 | Clayton |
| 10 | 2400, 5002 | Fayette,Clayton |
| 11 | 1001, 3004, 4600 | Fulton, Cobb |
| 12 | 1002, 1005, 3300, 3400, 4001, 4002, 4006 | Fulton, Forsyth,Hall, Gwinnett |
| 13 | 3101, 3102 | Cherokee |
| 14 | 1900, 3900, 4003, 4004 | Butts, Lamar, Pike, Spalding, Upson, Jasper, Morgan, Walton, Gwinnett |
| 15 | 3001, 3002, 3003, 3005 | Cobb |
| 16 | 2500, 4500 | Floyd, Haralson,Polk, Paulding |
| 17 | 2800, 2900, 3200, 3500 | Fannin, Gilmer, Gordon, Murray, Pickens, Bartow, Dawson, Lumpkin, Rabun, Towns, Union, White, Banks, Franklin, Habersham, Hart, Stephens |
| 18 | 600, 700, 800 | Lowndes, Ben Hill, Berrien, Brooks, Cook, Irwin, Tift, Turner, Colquitt, Thomas, Worth |
| 19 | 900, 1100 | Dougherty, Lee, Baker, Calhoun, Decatur, Early, Grady, Miller, Mitchell, Seminole, Terrell |
| 20 | 300, 401, 402 | Bulloch, Effingham, Screven, Chatham |
| 21 | 1004, 2100 | Fulton, Coweta |
| 22 | 2200, 2300 | Heard, Meriwether, Troup, Carroll |
| 23 | 1006, 1007, 2004 | Fulton, Dekalb |
| 24 | 2600, 2700 | Catoosa, Chattooga, Dade, Walker, Whitfield |
| 25 | 3600, 3700, 3800 | Clarke, Elbert, Greene, Madison, Oconee, Oglethorpe, Barrow, Jackson |

Table A2. Process information for all variables in the training and test datasets provided by NIJ

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Variable Name | Type | Number of Categories | Process Applied | | | | Number of Constructed Variables |
|  |  |  |  | Dummy Coding | One-hot encoding | Polynomial contrast coding | Numerical Assignment |  |
| 1 | Gender | Binary | 2 | x |  |  |  | 1 |
| 2 | Race | Binary | 2 | x |  |  |  | 1 |
| 3 | Age\_at\_Release | Ordinal | 7 |  | x | x | x | 14 |
| 4 | PUMAs | Nominal | 25 |  | x |  |  | 25 |
| 5 | Gang\_Affiliated | Binary | 2 | x |  |  |  | 1 |
| 6 | Supervision\_Risk\_Score\_First | Numeric |  |  |  |  | x | 1 |
| 7 | Supervision\_Level\_First | Ordinal | 3 |  | x | x |  | 5 |
| 8 | Education\_Level | Ordinal | 3 |  | x | x | x | 6 |
| 9 | Dependents | Ordinal | 4 |  | x |  | x | 5 |
| 10 | Prison\_Offence | Nominal | 5 |  | x |  |  | 5 |
| 11 | Prison\_Years | Ordinal | 4 |  | x | x |  | 7 |
| 12 | Prior\_Arrest\_Episodes\_Felony | Numeric |  | x |  |  | x | 2 |
| 13 | Prior\_Arrest\_Episodes\_Misd | Numeric |  | x |  |  | x | 2 |
| 14 | Prior\_Arrest\_Episodes\_Violent | Numeric |  | x |  |  | x | 2 |
| 15 | Prior\_Arrest\_Episodes\_Property | Numeric |  | x |  |  | x | 2 |
| 16 | Prior\_Arrest\_Episodes\_Drug | Numeric |  | x |  |  | x | 2 |
| 17 | Prior\_Arrest\_Episodes\_DVCharges | Numeric |  | x |  |  |  | 1 |
| 18 | Prior\_Arrest\_Episodes\_GunCharges | Numeric |  | x |  |  |  | 1 |
| 19 | Prior\_Conviction\_Episodes\_Felony | Numeric |  | x |  |  | x | 2 |
| 20 | Prior\_Conviction\_Episodes\_Misd | Numeric |  | x |  |  | x | 2 |
| 21 | Prior\_Conviction\_Episodes\_Violent | Numeric |  | x |  |  |  | 1 |
| 22 | Prior\_Conviction\_Episodes\_Property | Numeric |  | x |  |  | x | 2 |
| 23 | Prior\_Conviction\_Episodes\_Drug | Numeric |  | x |  |  | x | 2 |
| 24 | X\_v1 | Numeric |  | x |  |  | x | 2 |
| 25 | X\_v2 | Binary | 2 | x |  |  |  | 1 |
| 26 | X\_v3 | Binary | 2 | x |  |  |  | 1 |
| 27 | X\_v4 | Binary | 2 | x |  |  |  | 1 |
| 28 | Prior\_Revocations\_Parole | Binary | 2 | x |  |  |  | 1 |
| 29 | Prior\_Revocations\_Probation | Binary | 2 | x |  |  |  | 1 |
| 30 | Condition\_MH\_SA | Binary | 2 | x |  |  |  | 1 |
| 31 | Condition\_Cog\_Ed | Binary | 2 | x |  |  |  | 1 |
| 32 | Condition\_Other | Binary | 2 | x |  |  |  | 1 |
| 33 | Violations\_ElectronicMonitorin | Binary | 2 | x |  |  |  | 1 |
| 34 | Violations\_InstructionsNotFollowed | Binary | 2 | x |  |  |  | 1 |
| 35 | Violations\_FailtoReport | Binary | 2 | x |  |  |  | 1 |
| 36 | Violations\_MoveWithoutPermission | Binary | 2 | x |  |  |  | 1 |
| 37 | Delinquency\_Reports | Numeric |  | x |  |  | x | 2 |
| 38 | Program\_Attendances | Numeric |  | x |  |  | x | 2 |
| 39 | Program\_UnexcusedAbsences | Numeric |  | x |  |  | x | 2 |
| 40 | Residence\_Changes | Numeric |  | x |  |  | x | 2 |
| 41 | Avg\_Days\_per\_DrugTest | Numeric |  |  |  |  | x | 1 |
| 42 | DrugTests\_THC\_Positive | Numeric |  |  |  |  | x | 1 |
| 43 | DrugTests\_Cocaine\_Positive | Numeric |  |  |  |  | x | 1 |
| 44 | DrugTests\_Meth\_Positive | Numeric |  |  |  |  | x | 1 |
| 45 | DrugTests\_Other\_Positive | Numeric |  |  |  |  | x | 1 |
| 46 | Percent\_Days\_Employed | Numeric |  |  |  |  | x | 1 |
| 47 | Jobs\_Per\_Year | Numeric |  |  |  |  | x | 1 |
| 48 | Employment\_Exempt | Binary | 2 | x |  |  |  | 1 |

*Notes.* The variables are listed in order they appear in the training dataset provided by NIJ. A total of 48 predictors are recoded into a total of 122 variables after processing all variables. In addition to these 122 variables, a Principal Component Analysis was run for crime related variables. PCA revealed that these variables can be grouped into four categories. Therefore, an additional four composite variables were created as basic sum score of the crime related variables in these four categories. The R code that is used to process these variables for more detailed information can be found at this link (<https://github.com/czopluoglu/nij-competition/blob/main/R/03_data%20prep.r>).

Table A3. List of variables aggregated at the PUMA level from 2018 American Community Survey (ACS) 5-year estimates

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Variable Name | Type | Number of Categories | Process Applied | | | | Number of Constructed Variables |
|  |  |  |  | Dummy Coding | One-hot encoding | Polynomial contrast coding | Numerical Assignment |  |
| 1 | ACCESS | Nominal | 3 | x |  |  |  | 1 |
| 2 | ACR | Nominal | 3 |  | x |  |  | 3 |
| 3 | AGEP | Numeric |  |  |  |  | x | 1 |
| 4 | AGS | Ordinal | 6 |  | x |  |  | 6 |
| 5 | BATH | Binary | 2 | x |  |  |  | 1 |
| 6 | BLD | Nominal | 10 |  | x |  |  | 10 |
| 7 | BROADBND | Binary | 2 | x |  |  |  | 1 |
| 8 | BUS | Binary | 2 | x |  |  |  | 1 |
| 9 | CIT | Nominal | 5 |  | x |  |  | 5 |
| 10 | COMPOTHX | Binary | 2 | x |  |  |  | 1 |
| 11 | CONP (log transformed) | Numeric |  |  |  |  | x | 1 |
| 12 | COW | Nominal | 9 |  | x |  |  | 9 |
| 13 | DDRS | Binary | 2 | x |  |  |  | 1 |
| 14 | DEAR | Binary | 2 | x |  |  |  | 1 |
| 15 | DEYE | Binary | 2 | x |  |  |  | 1 |
| 16 | DIALUP | Binary | 2 | x |  |  |  | 1 |
| 17 | DIS | Binary | 2 | x |  |  |  | 1 |
| 18 | DOUT | Binary | 2 | x |  |  |  | 1 |
| 19 | DPHY | Binary | 2 | x |  |  |  | 1 |
| 20 | DRAT | Ordinal |  |  |  |  | x | 2 |
| 21 | DRATX | Binary | 2 | x |  |  |  | 1 |
| 22 | DREM | Binary | 2 | x |  |  |  | 1 |
| 23 | ELEFP | Nominal | 3 |  | x |  |  | 3 |
| 24 | ELEP | Numeric |  |  |  |  | x | 1 |
| 25 | ENG | Ordinal |  |  |  |  | x | 1 |
| 26 | FER | Binary | 2 | x |  |  |  | 1 |
| 27 | FES | Nominal | 8 |  | x |  |  | 8 |
| 28 | FINCP | Numeric |  |  |  |  | x | 1 |
| 29 | FPARC | Nominal | 4 |  | x |  |  | 4 |
| 30 | FS | Binary | 2 | x |  |  |  | 1 |
| 31 | FULP (log transformed) | Numeric |  |  |  |  | x | 1 |
| 32 | GASP (log transformed) | Numeric |  |  |  |  | x | 1 |
| 33 | GCL | Binary | 2 | x |  |  |  | 1 |
| 34 | GCM | Ordinal |  | x |  |  |  | 5 |
| 35 | GCR | Binary | 2 | x |  |  |  | 1 |
| 36 | GRNTP | Numeric |  |  |  |  | x | 2 |
| 37 | GRPIP | Numeric |  |  |  |  | x | 1 |
| 38 | HFL | Nominal | 9 |  | x |  |  | 9 |
| 39 | HHL | Nominal | 5 |  | x |  |  | 5 |
| 40 | HHT | Nominal | 7 |  | x |  |  | 7 |
| 41 | HINCP | Numeric |  |  |  |  | x | 1 |
| 42 | HINS1 | Binary | 2 | x |  |  |  | 1 |
| 43 | HINS2 | Binary | 2 | x |  |  |  | 1 |
| 44 | HINS3 | Binary | 2 | x |  |  |  | 1 |
| 45 | HINS4 | Binary | 2 | x |  |  |  | 1 |
| 46 | HINS5 | Binary | 2 | x |  |  |  | 1 |
| 47 | HINS6 | Binary | 2 | x |  |  |  | 1 |
| 48 | HINS7 | Binary | 2 | x |  |  |  | 1 |
| 49 | HISPEED | Binary | 2 | x |  |  |  | 1 |
| 50 | HUGCL | Binary | 2 | x |  |  |  | 1 |
| 51 | HUPAC | Nominal | 4 |  | x |  |  | 4 |
| 52 | HUPAOC | Nominal | 4 |  | x |  |  | 4 |
| 53 | HUPARC | Nominal | 4 |  | x |  |  | 4 |
| 54 | INSP | Numeric |  | x |  |  |  | 1 |
| 55 | INTP | Numeric |  |  |  |  | x | 1 |
| 56 | JWMNP | Numeric |  |  |  |  | x | 1 |
| 57 | JWRIP | Numeric |  |  |  |  | x | 1 |
| 58 | JWTR | Nominal | 12 | x |  |  |  | 6 |
| 59 | KIT | Binary | 2 | x |  |  |  | 1 |
| 60 | LANX | Binary | 2 | x |  |  |  | 1 |
| 61 | LAPTOP | Binary | 2 | x |  |  |  | 1 |
| 62 | LNGI | Binary | 2 | x |  |  |  | 1 |
| 63 | MAR | Nominal | 5 |  | x |  |  | 5 |
| 64 | MARHD | Binary | 2 | x |  |  |  | 1 |
| 65 | MARHM | Binary | 2 | x |  |  |  | 1 |
| 66 | MARHT | Ordinal | 3 |  | x |  |  | 3 |
| 67 | MARHW | Binary | 2 | x |  |  |  | 1 |
| 68 | MHP | Numeric |  |  |  |  | x | 1 |
| 69 | MIG | Binary | 2 | x |  |  |  | 1 |
| 70 | MIL | Nominal | 4 |  | x |  |  | 4 |
| 71 | MLPA | Binary | 2 | x |  |  |  | 1 |
| 72 | MLPB | Binary | 2 | x |  |  |  | 1 |
| 73 | MLPCD | Binary | 2 | x |  |  |  | 1 |
| 74 | MLPE | Binary | 2 | x |  |  |  | 1 |
| 75 | MLPFG | Binary | 2 | x |  |  |  | 1 |
| 76 | MLPH | Binary | 2 | x |  |  |  | 1 |
| 77 | MLPI | Binary | 2 | x |  |  |  | 1 |
| 78 | MLPJ | Binary | 2 | x |  |  |  | 1 |
| 79 | MLPK | Binary | 2 | x |  |  |  | 1 |
| 80 | MRGI | Binary | 2 | x |  |  |  | 1 |
| 81 | MRGP | Numeric |  |  |  |  | x | 1 |
| 82 | MRGT | Binary | 2 | x |  |  |  | 1 |
| 83 | MRGX | Nominal | 3 |  | x |  |  | 3 |
| 84 | MSP | Nominal | 6 |  | x |  |  | 6 |
| 85 | MULTG | Binary | 2 | x |  |  |  | 1 |
| 86 | MV | Nominal | 7 |  | x |  |  | 7 |
| 87 | NATIVITY | Binary | 2 | x |  |  |  | 1 |
| 88 | NOC | Numeric |  |  |  |  | x | 1 |
| 89 | NP | Numeric |  |  |  |  | x | 1 |
| 90 | NPF | Numeric |  |  |  |  | x | 1 |
| 91 | NPP | Numeric |  |  |  |  | x | 1 |
| 92 | NR | Binary | 2 | x |  |  |  | 1 |
| 93 | NRC | Numeric |  |  |  |  | x | 1 |
| 94 | NWAB | Nominal | 3 |  | x |  |  | 3 |
| 95 | NWAV | Nominal | 5 |  | x |  |  | 5 |
| 96 | NWLA | Nominal | 3 |  | x |  |  | 3 |
| 97 | NWLK | Nominal | 3 |  | x |  |  | 3 |
| 98 | NWRE | Nominal | 4 |  | x |  |  | 3 |
| 99 | OC | Binary | 2 | x |  |  |  | 1 |
| 100 | OCPIP | Numeric |  |  |  |  | x | 2 |
| 101 | OIP | Numeric |  |  |  |  | x | 1 |
| 102 | OTHSVCEX | Binary | 2 | x |  |  |  | 1 |
| 103 | PAOC | Nominal | 4 |  | x |  |  | 4 |
| 104 | PAP | Numeric |  |  |  |  | x | 1 |
| 105 | PARTNER | Nominal | 5 |  | x |  |  | 5 |
| 106 | PERNP | Numeric |  |  |  |  | x | 1 |
| 107 | PINCP | Numeric |  |  |  |  | x | 1 |
| 108 | PLM | Binary | 2 | x |  |  |  | 1 |
| 109 | POVPIP | Numeric |  |  |  |  | x | 1 |
| 110 | PRIVCOV | Binary | 2 | x |  |  |  | 1 |
| 111 | PSF | Binary | 2 | x |  |  |  | 1 |
| 112 | PUBCOV | Binary | 2 | x |  |  |  | 1 |
| 113 | R18 | Binary | 2 | x |  |  |  | 1 |
| 114 | R60 | Ordinal | 3 |  | x |  |  | 3 |
| 115 | R65 | Ordinal | 3 |  | x |  |  | 3 |
| 116 | RACAIAN | Binary | 2 | x |  |  |  | 1 |
| 117 | RACASN | Binary | 2 | x |  |  |  | 1 |
| 118 | RACBLK | Binary | 2 | x |  |  |  | 1 |
| 119 | RACWHT | Binary | 2 | x |  |  |  | 1 |
| 120 | RC | Binary | 2 | x |  |  |  | 1 |
| 121 | REFR | Binary | 2 | x |  |  |  | 1 |
| 122 | RETP | Numeric |  |  |  |  | x | 1 |
| 123 | RMSP | Numeric |  |  |  |  | x | 1 |
| 124 | RNTM | Binary | 2 | x |  |  |  | 1 |
| 125 | RWAT | Binary | 2 | x |  |  |  | 1 |
| 126 | SATELLITE | Binary | 2 | x |  |  |  | 1 |
| 127 | SCIENGP | Binary | 2 | x |  |  |  | 1 |
| 128 | SCIENGRLP | Binary | 2 | x |  |  |  | 1 |
| 129 | SEMP | Numeric |  |  |  |  | x | 1 |
| 130 | SINK | Binary | 2 | x |  |  |  | 1 |
| 131 | SMARTPHONE | Binary | 2 | x |  |  |  | 1 |
| 132 | SMOCP | Numeric |  |  |  |  | x | 1 |
| 133 | SMP | Numeric |  |  |  |  | x | 1 |
| 134 | SMX | Nominal | 4 |  | x |  |  | 4 |
| 135 | SRNT | Binary | 2 | x |  |  |  | 1 |
| 136 | SSIP | Numeric |  |  |  |  | x | 1 |
| 137 | SSMC | Ordinal | 3 | x |  |  |  | 1 |
| 138 | SSP | Numeric |  |  |  |  | x | 1 |
| 139 | STOV | Binary | 2 | x |  |  |  | 1 |
| 140 | SVAL | Binary | 2 | x |  |  |  | 1 |
| 141 | TABLET | Binary | 2 | x |  |  |  | 1 |
| 142 | TAXAMT | Numeric |  |  |  |  | x | 1 |
| 143 | TEL | Binary | 2 | x |  |  |  | 1 |
| 144 | TEN | Nominal | 4 |  | x |  |  | 4 |
| 145 | TOIL | Binary | 2 | x |  |  |  | 1 |
| 146 | VALP | Numeric |  |  |  |  | x | 1 |
| 147 | VEH | Numeric |  |  |  |  | x | 1 |
| 148 | WAGP | Numeric |  |  |  |  | x | 1 |
| 149 | WATFP | Nominal | 3 |  | x |  |  | 3 |
| 150 | WATP | Numeric |  |  |  |  | x | 1 |
| 151 | WGTP | Numeric |  |  |  |  | x | 1 |
| 152 | WIF | Ordinal | 4 |  | x |  |  | 4 |
| 153 | WKHP | Numeric |  |  |  |  | x | 1 |
| 154 | WKL | Nominal | 3 |  | x |  |  | 3 |
| 155 | WKW | Ordinal |  |  |  |  | x | 1 |
| 156 | WRK | Binary | 2 | x |  |  |  | 1 |
| 157 | YBL | Ordinal | 22 |  |  |  | x | 1 |

*Notes.* The detailed codebook about these variables can be found in the 2014 – 2018 ACS PUMA Data Dictionary (<https://www2.census.gov/programs-surveys/acs/tech_docs/pums/data_dict/PUMS_Data_Dictionary_2014-2018.pdf>). A total of 157 predictors are recoded into a total of 295 variables after processing all variables. In addition, a Principal Component Analysis was run for all 295 variables. Standardized composite scores for the first four principal component were added to the dataset. The R code that is used to download the 2018 ACS database and process these variables can be found at this link <https://github.com/czopluoglu/nij-competition/blob/main/R/02_geodata.r> ).

Table A4. List of auxiliary variables compiled at the county-level

|  |  |
| --- | --- |
| **Category** | **Variable** |
| **Vital Statistics (2018)** |  |
| 1 | Birth Rate per 1,000 Population |
| 2 | White Birth Rate per 1,000 Population |
| 3 | Black Birth Rate per 1,000 population |
| 4 | Hispanic Birth Rate per 1,000 population |
| 5 | White Low Weight Birth Rate per 100 Births |
| 6 | Black Low Weight Birth Rate per 100 Births |
| 7 | Hispanic Low Weight Birth Rate per 100 Births |
| 8 | Births to Unwed Mothers, All Ages, Rate per 100 Births |
| 9 | Births to Unwed Mothers, All Ages, White, Rate per 100 Births |
| 10 | Births to Unwed Mothers, All Ages, Black, Rate per 100 Births |
| 11 | Births to Unwed Mothers, All Ages, Hispanic, Rate per 100 Births |
| 12 | Births to Unwed Teen Mothers, Rate per 100 Births to Teen Mothers |
| 13 | Births to Unwed Teen Mothers, Rate per 100 Births |
| 14 | Births to Unwed Teen Mothers, Rate per 100 Births to Unwed Mothers |
| 15 | Death Rate per 1,000 Population |
| 16 | White Death Rate per 1,000 Population |
| 17 | Black Death Rate per 1,000 Population |
| 18 | Hispanic Death Rate per 1,000 Population |
| 19 | Major Cardiovascular Diseases Rate per 100,000 Population |
| 20 | Cancers Rate per 100,000 Population |
| 21 | Respiratory Diseases Rate per 100,000 Population |
| 22 | Nervous System Diseases Rate per 100,000 Population |
| 23 | Endocrine, Nutritional, and Metabolic Diseases Rate per 100,000 Population |
| 24 | Mental and Behavioral Disorders Rate per 100,000 Population |
| 25 | Reproductive and Urinary System Diseases Rate per 100,000 Population |
| 26 | Infectious and Parasitic Diseases Rate per 100,000 Population |
| 27 | External Causes Rate per 100,000 Population |
| 28 | External Causes, Suicide, Rate per 100,000 Population |
| 29 | External Causes, Homicide, Rate per 100,000 Population |
| **Lottery Statistics** |  |
| 30 | Gross Instant, Dollars |
| 31 | Cash3/Cash4, Dollars |
| 32 | Fantasy5 with CashMatch, Dollars |
| 33 | Mega Millions, Dollars |
| 34 | Keno, Dollars |
| 35 | Powerball, Dollars |
| 36 | Georgia Five, Dollars |
| 37 | All Or Nothing, Dollars |
| 38 | Jumbo Bucks Lotto with CashMatch, Dollars |
| 39 | 5 Card Cash, Dollars |
| 40 | Cash 4 Life, Dollars |
| 41 | Print n Play, Dollars |
| 42 | Lottery Sales per Capita, Dollars |
| **Poverty Statistics (2014-2018)** |  |
| 43 | Total Persons in Poverty, Percent |
| 44 | Children Under Age 18 in Poverty, Percent |
| 45 | Related Children in Families, Age 5-17, in Poverty, Percent |
| 46 | Persons Below Poverty Level, Percent |
| 47 | Persons Below Poverty Level, White, Percent |
| 48 | Persons Below Poverty Level, Black, Percent |
| 49 | Persons Below Poverty Level, Hispanic, Percent |
| 50 | Persons Age 65 and Over in Poverty, Percent |
| 51 | Persons Less than High School Graduates in Poverty, Percent |
| 52 | Persons with Bachelor's Degree or Higher in Poverty, Percent |
| 53 | Families Below Poverty Level, Percent |
| 54 | Families Below Poverty Level With a White Householder, Percent |
| 55 | Families Below Poverty Level With a Black Householder, Percent |
| 56 | Families Below Poverty Level, With an Hispanic Householder, Percent |
| 57 | Families Below Poverty Level, Female Head of Household, No Husband Present, Percent |
| 58 | Families Below Poverty Level With a White Householder, Female Head of Household, No Husband Present, Percent |
| 59 | Families Below Poverty Level With a Black Householder, Female Head of Household, No Husband Present, Percent |
| 60 | Families Below Poverty Level, With an Hispanic Householder, Female Head of Household, No Husband Present, Percent |
| **Voting statistics (2016, 2018)** |  |
| 61 | Votes Cast for President, Democratic Party, Percent |
| 62 | Votes Cast for President, Republican Party, Percent |
| 63 | Votes Cast for President, Libertarian Party, Percent |
| 64 | Voting History |
| 65 | Voter Turnout, Black Female, Percent |
| 66 | Voter Turnout, Black Male, Percent |
| 67 | Voter Turnout, White Female, Percent |
| 68 | Voter Turnout, White Male, Percent |
| 69 | Voter Turnout, Asian, Percent |
| 70 | Voter Turnout, Hispanic, Percent |
| 71 | Voter Turnout, Other Race, Percent |
| 72 | Registered Voters, Black Female, Percent |
| 73 | Registered Voters, Black Male, Percent |
| 74 | Registered Voters, White Female, Percent |
| 75 | Registered Voters, White Male, Percent |
| 76 | Registered Voters, Asian, Percent |
| 77 | Registered Voters, Hispanic, Percent |
| 78 | Registered Voters, Other Race, Percent |
| **Hospital Statistics (2018)** |  |
| 79 | General Hospital Bed Capacity |
| 80 | General Hospital Total Inpatient Days |
| 81 | General Hospital Total Admissions |
| 82 | General Hospital Occupancy Rate |
| 83 | General Hospital Average Stay in Days |
| 84 | General Hospital Total Emergency Department Visits |
| 85 | General Hospital Emergency Department Inpatient Admissions |
| 86 | General Hospital Total Admissions from Emergency Department, Percent |
| 87 | Nursing Home Bed Capacity |
| 88 | Nursing Home Total Days |
| 89 | Nursing Home Average Occupancy, Percent |
| 90 | Child Care Learning Centers |
| 91 | Child Care Learning Center Capacity |
| 92 | Family Child Care Learning Homes |
| 93 | Uninsured Under Age 65, All Income Levels, Percent |
| 94 | Uninsured Under Age 65, At or Below 200% Poverty, Percent |
| 95 | Uninsured Under Age 19, All Income Levels, Percent |
| 96 | Uninsured Under Age 19, At or Below 200% Poverty, Percent |
| **Unemployment Statistics** |  |
| 97 | 2014 Unemployment Rate |
| 98 | 2015 Unemployment Rate |
| 99 | 2016 Unemployment Rate |
| 100 | 2017 Unemployment Rate |
| 101 | 2018 Unemployment Rate |
| 102 | 2018 Unemployment Insurance Initial Claims Monthly Average |
| **Public Assistance Statistics (2018)** |  |
| 103 | Persons Under Age 18 Receiving Benefits, Percent |
| 104 | Persons Age 18-64 Receiving Benefits, Percent |
| 105 | Persons Age 65 and Over Receiving Benefits, Percent |
| 106 | Percent of SSI Recipients also Receiving OASDI |
| 107 | Percent of Total Population Receiving SSI Benefits |
| 108 | OASDI Beneficiaries Age 65 and Over (Percent) |
| 109 | OASDI Beneficiaries as Percent of Total Population |
| **Urban Population Statistics (2010)** |  |
| 110 | Population Inside Urbanized Area, Percent |
| 111 | Population Inside Urban Clusters, Percent |
| 112 | Total Persons, Urban, Percent |
| 113 | Urban Land, Percent |
| 114 | Urban Area Population Density |
| 115 | Rural Area Population Density |
| **Population Age Statistics** |  |
| 116 | 2018 Median Age |
| 117 | 2018 Median Age, Male |
| 118 | 2018 Median Age, Female |
| 119 | 2010 Median Age |
| 120 | 2010 Median Age, Male |
| 121 | 2010 Median Age, Female |
| 122 | 2010 Median Age, White |
| 123 | 2010 Median Age, White, Male |
| 124 | 2010 Median Age, White, Female |
| 125 | 2010 Median Age, Black |
| 126 | 2010 Median Age, Black, Male |
| 127 | 2010 Median Age, Black, Female |
| 128 | 2010 Median Age, Hispanic |
| 129 | 2010 Median Age, Hispanic, Male |
| 130 | 2010 Median Age, Hispanic, Female |
| 131 | 2018 Population 0-4 Years, Percent |
| 132 | 2018 Population 5-9 Years, Percent |
| 133 | 2018 Population 10-14 Years, Percent |
| 134 | 2018 Population 15-19 Years, Percent |
| 135 | 2018 Population 20-24 Years, Percent |
| 136 | 2018 Population 25-29 Years, Percent |
| 137 | 2018 Population 30-34 Years, Percent |
| 138 | 2018 Population 35-39 Years, Percent |
| 139 | 2018 Population 40-44 Years, Percent |
| 140 | 2018 Population 45-49 Years, Percent |
| 141 | 2018 Population 50-54 Years, Percent |
| 142 | 2018 Population 55-59 Years, Percent |
| 143 | 2018 Population 60-64 Years, Percent |
| 144 | 2018 Population 65-69 Years, Percent |
| 145 | 2018 Population 70-74 Years, Percent |
| 146 | 2018 Population 75-79 Years, Percent |
| 147 | 2018 Population 80-84 Years, Percent |
| 148 | 2018 Population 85 and Over, Percent |
| 149 | 2018 Population 18 and Over, Percent |
| 150 | 2018 Population 65 and Over, Percent |
| **Sexually Transmitted Disease Statistics (2018)** |  |
| 151 | All Sexually Transmitted Diseases Reported Cases Rate per 100,000 Population |
| 152 | Chlamydia Rate per 100,000 Population |
| 153 | Gonorrhea Rate per 100,000 Population |
| 154 | Syphilis (all Types Except Congenital) Rate per 100,000 Population |
| 155 | Tuberculosis Rate per 100,000 Population |
| 156 | HIV Prevalence Rate per 100,000 Population |
| **Medicare Statistics (2018)** |  |
| 157 | Hospital and/or Medical Enrollment |
| 158 | Original Medicare Enrollment |
| 159 | Prescription Drug Enrollment |
| 160 | Prescription Drug Plans Enrollment |
| 161 | Medicare Aged Total |
| 162 | Medicare Disabled Total |
| 163 | Physician Rate per 100,000 Population |
| **Money Transfer Statistics** |  |
| 164 | Personal Current Transfer Receipts, Dollars in Thousands |
| 165 | Personal Current Transfer Receipts, Percent Change |
| 166 | Personal Current Transfer Receipts, Percent Change |
| 167 | Retirement/Disability Insurance Benefit Payments to Individuals as a Percentage of Total Transfer Receipts |
| 168 | Medicare Payments to Individuals as a Percentage of Total Transfer Receipts |
| 169 | Public Assistance Medical Care Benefit Payments to Individuals as a Percentage of Total Transfer Receipts |
| 170 | Supplemental Security Income (SSI) Payments to Individuals as a Percentage of Total Transfer Receipts |
| 171 | Earned Income Tax Credit (EITC) Payments to Individuals as a Percentage of Total Transfer Receipts |
| 172 | Supplemental Nutrition Assistance Program (SNAP) Payments to Individuals as a Percentage of Total Transfer Receipts |
| 173 | Other Income Maintenance Payments to Individuals as a Percentage of Total Transfer Receipts |
| 174 | Unemployment Insurance Payments to Individuals as a Percentage of Total Transfer Receipts |
| 175 | Veterans' Benefit Payments to Individuals as a Percentage of Total Transfer Receipts |
| 176 | Percentage of Total Transfer Receipts to Non-Profit Institutions |
| 177 | Retirement/Other Payments per Capita, Dollars |
| 178 | Income Maintenance per Capita, Dollars |
| 179 | Unemployment Insurance per Capita, Dollars |
| 180 | Transfer Receipts per Capita, Dollars |
| 181 | Transfer Receipts as a Percentage of Total Personal Income |
| **Agricultural Statistics** |  |
| 182 | Farms of 1-9 Acres, Percent |
| 183 | Farms of 10-49 Acres, Percent |
| 184 | Farms of 50-179 Acres, Percent |
| 185 | Farms of 180-499 Acres, Percent |
| 186 | Farms of 500-999 Acres, Percent |
| 187 | Farms of 1000 or More Acres, Percent |
| 188 | Farm Sales Below $2,500, Percent |
| 189 | Farm Sales of $2,500-$9,999, Percent |
| 190 | Farm Sales of $10,000-$49,999, Percent |
| 191 | Farm Sales of $50,000-$99,999, Percent |
| 192 | Farm Sales of $100,000 or More, Percent |
| 193 | Estimated Market Value, Land and Buildings, Dollars per Acre |
| 194 | Principle Producers, Black, proportion |
| 195 | Principle Producers, Hispanic, proportion |
| 196 | Principle Producers, Women, proportion |
| 197 | Principle Producers Average Age |
| 198 | Irrigated Acres |
| 199 | Conservation Reserve Program Cumulative Enrollment, Acres |
| **Juvenile Court Statistics** |  |
| 200 | Juvenile Court Commitment Rate Per 1,000 at Risk |
| 201 | Juvenile Court Commitments, White, Percent |
| 202 | Juvenile Court Commitments, Black, Percent |
| 203 | Juvenile Court Commitments, Male, Percent |
| 204 | Regional Youth Detention Center Admission (Detention) Rate Per 1,000 at Risk |
| **Income Statistics** |  |
| 205 | Median Household Income, Dollars |
| 206 | Median Household Income, White, Dollars |
| 207 | Median Household Income, Black, Dollars |
| 208 | Median Household Income, Hispanic, Dollars |
| 209 | Households With Incomes Less than $10,000, Percent |
| 210 | Households With Incomes Less than $10,000, White, Percent |
| 211 | Households With Incomes Less than $10,000, Black, Percent |
| 212 | Households With Incomes Less than $10,000, Hispanic, Percent |
| 213 | Households With Incomes $10,000-$24,999, Percent |
| 214 | Households With Incomes $10,000-$24,999, White, Percent |
| 215 | Households With Incomes $10,000-$24,999, Black, Percent |
| 216 | Households With Incomes $10,000-$24,999, Hispanic, Percent |
| 217 | Households With Incomes $25,000-$49,999, Percent |
| 218 | Households With Incomes $25,000-$49,999, White, Percent |
| 219 | Households With Incomes $25,000-$49,999, Black, Percent |
| 220 | Households With Incomes $25,000-$49,999, Hispanic, Percent |
| 221 | Households With Incomes $50,000-99,999, Percent |
| 222 | Households With Incomes $50,000-99,999, White, Percent |
| 223 | Households With Incomes $50,000-99,999, Black, Percent |
| 224 | Households With Incomes $50,000-99,999, Hispanic, Percent |
| 225 | Households With Incomes $100,000 or More, Percent |
| 226 | Households With Incomes $100,000 or More, White, Percent |
| 227 | Households With Incomes $100,000 or More, Black, Percent |
| 228 | Households With Incomes $100,000 or More, Hispanic, Percent |
| **Bankruptcy Statistics** |  |
| 229 | Deposits of all FDIC-Insured Institutions, Dollars in Thousands, 2014-2018 average |
| 230 | Percent Change in Deposits of all FDIC-Insured Institutions, 2014-2019 |
| 231 | Bankruptcy Filings Rate per 1,000 population,2018 |
| **Crime Index** |  |
| 232 | 2017 Crime Index |

*Notes.* The related county-level data on these variables are available from the GeorgiaData initiative supported by the University of Georgia, <https://georgiadata.org/data/data-tables>.