

# **Boosting Upward Mobility from Poverty Data Documentation**

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# Introduction

The Urban Institute is engaged in a multi-year effort to understand upward mobility from poverty and to work with local leaders to promote policies that boost upward mobility from poverty.

This book contains documentation of the data sets and variables that make up the mobility metrics.

The data are available on the [Urban Institute Data Catalog](#).

To learn more, please read:

- [Boosting Upward Mobility: Metrics to Inform Local Action](#)
- [Boosting Upward Mobility: Metrics to Inform Local Action Summary](#)

**Part I**

**County Data Sets**

The mobility metrics are contained in several distinct data sets. The data sets are organized according to the principles of [tidy data](#) and each data set has a unique unit of observation.

## **Part II**

**00\_mobility-metrics\_longitudinal.csv**

- **Unit of Observation:** One row per county per year.
- **Dimensions:** 28,281 rows and 99 columns
- **Years:** 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

This data set contains all of the county-level mobility metrics for all available years. In some cases it will contain more years of data than are available in the mobility metrics data pages.

---

## **Part III**

**00\_mobility-metrics\_recent.csv**



- **Unit of Observation:** One row per county.
- **Dimensions:** 3,143 rows and 98 columns

This data set contains all of the county-level mobility metrics for the most recent year available for each metric. For example, if one metric is available in 2018 and another metric is available in 2021, both metrics will show up in the same row in this data set.

---

## **Part IV**

**01\_mobility-metrics\_race-  
ethnicity\_longitudinal.csv**

- **Unit of Observation:** One row per county per race-ethnicity group per year.
- **Dimensions:** 157,150 rows and 32 columns
- **Years:** 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

This data set contains mobility metrics disaggregated by race/ethnicity group when available.

---

## **Part V**

**02\_mobility-  
metrics\_race\_longitudinal.csv**

- **Unit of Observation:** One row per county per race group per year.
- **Dimensions:** 47,145 rows and 12 columns
- **Years:** 2018, 2021, 2022

This data set contains mobility metrics disaggregated by race group when available.

---

## **Part VI**

**02\_poverty-exposure\_race-  
ethnicity.csv**

- **Unit of Observation:** One row per county per race group per year.
- **Dimensions:** 31,425 rows and 9 columns
- **Years:** 2018, 2021

This data set contains special race and ethnicity tabulations for the economic inclusion mobility metric.

---

## Part VII

**03\_mobility-metrics\_race-  
share\_longitudinal.csv**



- **Unit of Observation:** One row per county per majority race group in a subgeography per year.
- **Dimensions:** 37,704 rows and 17 columns
- **Years:** 2014, 2016, 2018

This data set contains mobility metrics disaggregated by the majority race of the subgeographies in the county.

---

## **Part VIII**

**04\_SEDA-income\_longitudinal.csv**

- **Unit of Observation:** One row per county per majority race group in a subgeography per year.
- **Dimensions:** 47,130 rows and 11 columns
- **Years:** 2017, 2016, 2015, 2014, 2013

This data set contains mobility metrics disaggregated using special disaggregations for SEDA data.

---

The next sections provide detailed documentation for each data set.

# 1 County Longitudinal Data

year

## 1.1 State

state state\_name

## 1.2 County

county county\_name

## 1.3 Population

population

## 1.4 Predictor: Housing Affordability

### 1.4.1 Metric: Ratio of affordable and available housing units to households with low-, very low-, and extremely low income levels

**Variables:** share\_affordable\_30\_ami, share\_affordable\_50\_ami, share\_affordable\_80\_ami, share\_affordable\_quality

**Years:** 2014, 2018, 2021

**Disaggregation:** None

#### 1.4.1.1 Variable: share\_affordable\_30\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.41

1.83

1.80

3.52

18860

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

1680

2

Marginal

7741

3

Weak

2

NA

NA

18858

#### 1.4.1.2 Variable: share\_affordable\_50\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.76

1.83

1.81

3.02

18860

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

1680

2

Marginal

7741

3

Weak

2

NA

NA

18858

#### 1.4.1.3 Variable: share\_affordable\_80\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

1.02

1.68

1.68

2.66

18860

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

1680

2

Marginal

7741

3

Weak

2

NA

NA

18858

---

## 1.5 Predictor: Housing Stability

### 1.5.1 Metric: Number and share of public school children who are ever homeless during the school year

**Variables:** count\_homeless, share\_homeless, count\_homeless\_lb, count\_homeless\_ub, homeless\_quality

**Years:** 2014, 2015, 2016, 2017, 2018, 2019

**Disaggregation:** None

#### 1.5.1.1 Variable: count\_homeless

##### Summary

Min.

Median

Mean

Max.

NA's

0

86

488

75,094

11218

##### Data Quality

homeless\_\_quality

quality\_\_label

n

1

Strong



14575  
2  
Marginal  
581  
3  
Weak  
1908  
NA  
NA  
11217

#### 1.5.1.2 Variable: share\_homeless

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.02  
0.03  
0.68  
11251

##### Data Quality

homeless\_quality  
quality\_label  
n  
1

Strong  
14575  
2  
Marginal  
581  
3  
Weak  
1908  
NA  
NA  
11217

---

## 1.6 Predictor: Economic Inclusion

### 1.6.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

**Variables:** share\_poverty\_exposure, share\_poverty\_exposure\_quality

**Years:** 2018, 2021

**Disaggregation:** [Race](#)

#### 1.6.1.1 Variable: share\_poverty\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.00

0.04

1.00

22010

**Data Quality**

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

5746

2

Marginal

496

3

Weak

29

NA

NA

22010

---

## 1.7 Predictor: Racial Diversity

### 1.7.1 Metric: Neighborhood exposure index, or the share of a person's neighbors who are people of other races and ethnicities

**Variables:** share\_black\_nh\_exposure, share\_black\_nh\_exposure\_quality, share\_hispanic\_exposure, share\_hispanic\_exposure\_quality, share\_other\_nh\_exposure, share\_other\_nh\_exposure\_quality, share\_white\_nh\_exposure, share\_white\_nh\_exposure\_quality

**Years:** 2018, 2021

**Disaggregation:** None

#### 1.7.1.1 Variable: share\_black\_nh\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.12

0.93

0.84

1.00

22900

##### Data Quality

share\_black\_nh\_exposure\_quality

quality\_label

n

1

Strong

3368

2

Marginal

1339

3

Weak

674

NA

NA

22900

### **1.7.1.2 Variable: share\_hispanic\_exposure**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.01

0.93

0.87

1.00

22179

#### **Data Quality**

share\_hispanic\_exposure\_quality

quality\_label

n

1

Strong

4341

2

Marginal

1410

3

Weak

351

NA

NA

22179

### **1.7.1.3 Variable: share\_other\_nh\_exposure**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.04

0.95

0.92

1.00

22169

#### **Data Quality**

share\_other\_nh\_exposure\_quality

quality\_label

n

1

Strong  
3914  
2  
Marginal  
1791  
3  
Weak  
407  
NA  
NA  
22169

**1.7.1.4 Variable: share\_white\_nh\_exposure**

**Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.16  
0.21  
0.99  
21999

**Data Quality**

share\_\_white\_\_nh\_\_exposure\_\_quality  
quality\_\_label  
n

1  
Strong  
6256  
2  
Marginal  
23  
3  
Weak  
3  
NA  
NA  
21999

---

## 1.8 Predictor: Social Capital

### 1.8.1 Metric: Number of membership associations per 10,000 people

**Variables:** count\_membership\_associations\_per\_10k, count\_membership\_associations\_per\_10k\_qualit.

**Years:** 2020

**Disaggregation:** None



#### **1.8.1.1 Variable: count\_membership\_associations\_per\_10k**

##### **Summary**

Min.

Median

Mean

Max.

NA's

1.00

11.00

11.81

59.80

25290

##### **Data Quality**

count\_membership\_associations\_per\_10k\_quality

quality\_label

n

1

Strong

2991

NA

NA

25290

#### **1.8.2 Metric: Ratio of Facebook friends with higher socioeconomic status to Facebook friends with lower socioeconomic status ("economic connectedness")**

**Variables:** ratio\_high\_low\_ses\_fb\_friends, ratio\_high\_low\_ses\_fb\_friends\_quality

**Years:** 2022

**Disaggregation:** None

### 1.8.2.1 Variable: ratio\_high\_low\_ses\_fb\_friends

#### Summary

Min.

Median

Mean

Max.

NA's

0.29

0.81

0.81

1.36

25264

#### Data Quality

ratio\_high\_low\_ses\_fb\_friends\_quality

quality\_label

n

1

Strong

3017

NA

NA

25264

## 1.9 Predictor: Transportation Access

### 1.9.1 Metric: Transit trips index

**Variables:** transportation\_cost, transportation\_cost\_quality, index\_transit\_trips, index\_transit\_trips\_quality

**Years:** 2016

**Disaggregation:** [Race share](#)

#### 1.9.1.1 Variable: index\_transit\_trips

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

18.70

23.13

98.72

25139

##### Data Quality

index\_transit\_trips\_quality

quality\_label

n

1

Strong

3133

2

Marginal

5  
3  
Weak  
4  
NA  
NA  
25139

### 1.9.1.2 Variable: transportation\_cost

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
18.23  
24.05  
98.24  
25139

#### Data Quality

transportation\_cost\_quality  
quality\_label  
n  
1  
Strong  
3132  
2

Marginal

6

3

Weak

4

NA

NA

25139

---

## 1.10 Predictor: Access to Preschool

### 1.10.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

**Variables:** share\_in\_preschool, share\_in\_preschool\_quality

**Years:** 2018, 2021

**Disaggregation:** [Race/ethnicity](#)

#### 1.10.1.1 Variable: share\_in\_preschool

##### Summary

Min.

Median

Mean

Max.

NA's

0.01

0.39

0.40

0.83

22003

### **Data Quality**

share\_in\_preschool\_quality

quality\_label

n

1

Strong

850

2

Marginal

3380

3

Weak

2053

NA

NA

21998

---

## **1.11 Predictor: Effective Public Education**

### **1.11.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades**

**Variables:** rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

**Years:** 2014, 2015, 2016, 2017

**Disaggregation:** [Race/ethnicity](#), [Income](#)

#### 1.11.1.1 Variable: rate\_learning

##### Summary

Min.

Median

Mean

Max.

NA's

−1.25

0.99

0.99

2.97

16051

##### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

10316

2

Marginal

762

3

Weak

1152

NA

NA

16051

---

## 1.12 Predictor: School Economic Diversity

### 1.12.1 Metric: Share of students attending high-poverty schools, by student race or ethnicity

**Variables:** meps20\_black, meps20\_black\_quality, meps20\_hispanic, meps20\_hispanic\_quality, meps20\_white, meps20\_white\_quality

**Years:** 2014, 2015, 2016, 2017, 2018

**Disaggregation:** None

#### 1.12.1.1 Variable: meps20\_black

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.51

0.50

1.00

13040

##### Data Quality

meps20\_black\_quality

quality\_label

n

1

Strong



10412  
2  
Marginal  
1622  
3  
Weak  
3207  
NA  
NA  
13040

#### **1.12.1.2 Variable: meps20\_hispanic**

##### **Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.51  
0.50  
1.00  
12687

##### **Data Quality**

meps20\_\_hispanic\_\_quality  
quality\_\_label  
n  
1

Strong  
13437  
2  
Marginal  
1033  
3  
Weak  
1124  
NA  
NA  
12687

### **1.12.1.3 Variable: meps20\_white**

#### **Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.35  
0.42  
1.00  
12593

#### **Data Quality**

meps20\_\_white\_\_quality  
quality\_\_label  
n

1  
Strong  
15526  
2  
Marginal  
89  
3  
Weak  
73  
NA  
NA  
12593

---

## 1.13 Predictor: Preparation for College

### 1.13.1 Metric: Share of 19- and 20-year-olds with a high school degree

**Variables:** share\_hs\_degree, share\_hs\_degree\_quality

**Years:** 2018, 2021

**Disaggregation:** [Race/ethnicity](#)

#### 1.13.1.1 Variable: share\_hs\_degree

##### Summary

Min.

Median

Mean

Max.

NA's

0.40

0.91

0.89

1.00

22000

##### Data Quality

share\_hs\_degree\_quality

quality\_label

n

1

Strong

860

2

Marginal

2862

3

Weak

2560

NA

NA

21999

---

## 1.14 Predictor: Digital Access

### 1.14.1 Metric: Share of households with broadband access in the home

**Variables:** share\_digital\_access, share\_digital\_access\_quality

**Years:** 2021

**Disaggregation:** [Race](#)

#### 1.14.1.1 Variable: share\_digital\_access

##### Summary

Min.

Median

Mean

Max.

NA's

0.23

0.84

0.82

0.99

25140

##### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

3080

2  
Marginal  
55  
3  
Weak  
6  
NA  
NA  
25140

---

## 1.15 Predictor: Employment Opportunities

### 1.15.1 Metric: Employment-to-population ratio for adults ages 25 to 54

Variables: share\_employed, share\_employed\_quality

Years: 2018

Disaggregation: [Race/ethnicity](#)

#### 1.15.1.1 Variable: share\_employed

##### Summary

Min.

Median

Mean

Max.

NA's

0.52

0.79

0.78

0.92

25140

### **Data Quality**

share\_\_employed\_\_quality

quality\_\_label

n

1

Strong

560

2

Marginal

2581

NA

NA

25140

---

## **1.16 Predictor: Jobs Paying Living Wages**

### **1.16.1 Metric: Ratio of pay on the average job to the cost of living**

**Variables:** ratio\_average\_to\_living\_wage, wage\_ratio\_quality

**Years:** 2014, 2018, 2021

**Disaggregation:** None

### 1.16.1.1 Variable: ratio\_average\_to\_living\_wage

#### Summary

Min.

Median

Mean

Max.

NA's

0.36

0.65

0.67

1.64

18860

#### Data Quality

ratio\_average\_to\_living\_wage\_quality

quality\_label

n

1

Strong

9386

3

Weak

36

NA

NA

18859



## 1.17 Predictor: Opportunities for Income

### 1.17.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** pctl\_income\_20, pctl\_income\_50, pctl\_income\_80, pctl\_income\_quality

**Years:** 2018

**Disaggregation:** [Race/ethnicity](#)

#### 1.17.1.1 Variable: pctl\_income\_20

##### Summary

Min.

Median

Mean

Max.

NA's

9,117.87

22,288.13

22,950.66

73,956.08

25140

##### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

560

2

Marginal

2581

NA  
NA  
25140

#### 1.17.1.2 Variable: `pctl_income_50`

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
28,164.10  
51,667.95  
53,221.17  
163,716.50  
25140

##### Data Quality

`pctl_income_quality`  
`quality_label`  
n  
1  
Strong  
560  
2  
Marginal  
2581  
NA  
NA

25140

### 1.17.1.3 Variable: `pctl_income_80`

#### Summary

Min.

Median

Mean

Max.

NA's

66,053.92

98,270.41

102,697.32

324,302.50

25140

#### Data Quality

`pctl_income__quality`

`quality__label`

n

1

Strong

560

2

Marginal

2581

NA

NA

25140

## 1.18 Predictor: Financial Security

### 1.18.1 Metric: Share with debt in collections

**Variables:** share\_debt\_col, share\_debt\_col\_lb, share\_debt\_col\_ub, share\_debt\_col\_quality

**Years:** 2018, 2022

**Disaggregation:** [Race share](#)

#### 1.18.1.1 Variable: share\_debt\_col

##### Summary

Min.

Median

Mean

Max.

NA's

0.02

0.30

0.31

0.68

22278

##### Data Quality

share\_debt\_col\_quality

quality\_label

n

1

Strong

6003

NA

NA

22278

---

## 1.19 Predictor: Wealth Building Opportunities

### 1.19.1 Metric: Ratio of the share of a community's housing wealth held by a racial or ethnic group to the share of households of the same group

**Variables:** ratio\_black\_nh\_house\_value\_households, ratio\_hispanic\_house\_value\_households, ratio\_other\_nh\_house\_value\_households, ratio\_white\_nh\_house\_value\_households, ratio\_black\_nh\_house\_value\_households\_quality, ratio\_hispanic\_house\_value\_households\_quality, ratio\_other\_nh\_house\_value\_households\_quality, ratio\_white\_nh\_house\_value\_households\_quality

**Years:** 2014, 2015, 2016, 2017, 2018, 2019, 2021

**Disaggregation:** None

#### 1.19.1.1 Variable: ratio\_black\_nh\_house\_value\_households

##### Summary

Min.

Median

Mean

Max.

NA's

0.0%:0.0%

0.8%:7.1%

NA

NaN%:NaN%

6302

##### Data Quality

ratio\_black\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong  
1840  
2  
Marginal  
745  
3  
Weak  
19394  
NA  
NA  
6302

#### **1.19.1.2 Variable: ratio\_hispanic\_house\_value\_households**

##### **Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.0%:0.0%  
1.9%:2.1%  
NA  
NaN%:NaN%  
6302

##### **Data Quality**

ratio\_hispanic\_house\_value\_households\_quality  
quality\_label  
n

1  
Strong  
1807  
2  
Marginal  
359  
3  
Weak  
19813  
NA  
NA  
6302

### 1.19.1.3 Variable: ratio\_other\_nh\_house\_value\_households

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.0%:0.0%  
2.0%:3.0%  
NA  
NaN%:NaN%  
6302

#### Data Quality

ratio\_other\_nh\_house\_value\_households\_quality  
quality\_label

n  
1  
Strong  
1766  
2  
Marginal  
451  
3  
Weak  
19762  
NA  
NA  
6302

#### **1.19.1.4 Variable: ratio\_white\_nh\_house\_value\_households**

##### **Summary**

Min.  
Median  
Mean  
Max.  
NA's  
10.1%:8.1%  
91.6%:84.4%  
NA  
NaN%:NaN%  
6302

##### **Data Quality**

ratio\_white\_nh\_house\_value\_households\_quality



quality\_label

n

1

Strong

3913

2

Marginal

3190

3

Weak

14876

NA

NA

6302

---

## 1.20 Predictor: Access to Health Services

### 1.20.1 Metric: Ratio of population per primary care physician

**Variables:** ratio\_population\_pc\_physician, ratio\_population\_pc\_physician\_quality

**Years:** 2019

**Disaggregation:** None

### 1.20.1.1 Variable: ratio\_population\_pc\_physician

#### Summary

Min.

Median

Mean

Max.

NA's

0

NA

NA

999:1

25139

#### Data Quality

ratio\_population\_pc\_physician\_quality

quality\_label

n

1

Strong

2353

2

Marginal

427

3

Weak

207

NA

NA

25294

---

## 1.21 Predictor: Neonatal Health

### 1.21.1 Metric: Share with low birth weight

**Variables:** `rate_low_birth_weight`, `rate_low_birth_weight_lb`, `rate_low_birth_weight_ub`, `rate_low_birth_weight_quality`

**Years:** 2018, 2020

**Disaggregation:** [Race/ethnicity](#)

#### 1.21.1.1 Variable: `rate_low_birth_weight`

##### Summary

Min.

Median

Mean

Max.

NA's

0.04

0.08

0.08

0.15

21996

##### Data Quality

`rate_low_birth_weight_quality`

`quality_label`

n

1

Strong

1155

2  
Marginal  
1  
3  
Weak  
5129  
NA  
NA  
21996

---

## 1.22 Predictor: Environmental Quality

### 1.22.1 Metric: Air quality index

**Variables:** index\_air\_quality, index\_air\_quality\_quality

**Years:** 2014, 2018

**Disaggregation:** [Race share](#)

#### 1.22.1.1 Variable: index\_air\_quality

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

72.00

66.25

100.00

21997

### **Data Quality**

index\_air\_quality\_quality

quality\_label

n

1

Strong

6284

NA

NA

21997

---

## **1.23 Predictor: Safety from Trauma**

### **1.23.1 Metric: Number of deaths caused by injury per 100,000 people**

**Variables:** rate\_injury\_death, rate\_injury\_death\_lb, rate\_injury\_death\_ub,  
rate\_injury\_death\_quality

**Years:** 2019

**Disaggregation:** None

### 1.23.1.1 Variable: rate\_injury\_death

#### Summary

Min.

Median

Mean

Max.

NA's

19.93

89.38

92.05

280.11

25245

#### Data Quality

rate\_injury\_death\_quality

quality\_label

n

1

Strong

2630

2

Marginal

372

3

Weak

34

NA

NA

25245

---

## 1.24 Predictor: Political Participation

### 1.24.1 Metric: Share of the voting-eligible population who turn out to vote

**Variables:** share\_election\_turnout, share\_election\_turnoutt\_quality

**Years:** 2016, 2020

**Disaggregation:** None

#### 1.24.1.1 Variable: share\_election\_turnout

##### Summary

Min.

Median

Mean

Max.

NA's

0.16

0.62

0.63

1.00

22057

##### Data Quality

share\_election\_turnout\_quality

quality\_label

n

1

Strong

6067

2

Marginal

144

3

Weak

13

NA

NA

22057

---

## 1.25 Predictor: Descriptive Representation

### 1.25.1 Metric: Ratio of the share of local elected officials of a racial or ethnic group to the share of residents of the same racial or ethnic group

**Variables:** share\_desc\_rep\_asian\_other, share\_desc\_rep\_asian\_other\_quality, share\_desc\_rep\_black\_nonhispanic, share\_desc\_rep\_hispanic, share\_desc\_rep\_white\_nonhispanic

**Years:** 2021

**Disaggregation:** None

---

## 1.26 Predictor: Safety from Crime

### 1.26.1 Metric: Rates of reported violent crime and property crime

**Variables:** rate\_violent\_crime, rate\_property\_crime, rate\_crime\_quality

**Years:** 2021

**Disaggregation:** None



### 1.26.1.1 Variable: rate\_violent\_crime

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

708.72

825.03

12,968.59

25581

#### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

920

2

Marginal

492

3

Weak

1288

NA

NA

25581

### 1.26.1.2 Variable: rate\_property\_crime

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

1,539.04

1,831.17

21,686.75

25581

#### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

920

2

Marginal

492

3

Weak

1288

NA

NA

25581

---

## 1.27 Predictor: Just Policing

### 1.27.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Years: 2021

Disaggregation: [Race](#)

#### 1.27.1.1 Variable: rate\_juv\_arrest

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

549.20

1,070.43

19,073.87

25597

##### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

864

2

Marginal

480

3

Weak

1340

NA

NA

25597

## 2 County Recent Data

state state\_name

### 2.1 County

county county\_name

### 2.2 Population

population

### 2.3 Predictor: Housing Affordability

#### 2.3.1 Metric: Ratio of affordable and available housing units to households with low-, very low-, and extremely low income levels

Variables: share\_affordable\_30\_ami, share\_affordable\_50\_ami, share\_affordable\_80\_ami, share\_affordable\_quality

Disaggregation: None

##### 2.3.1.1 Variable: share\_affordable\_30\_ami

#### Summary

Min.

Median

Mean

Max.

NA's

0.43

1.83

1.79

3.52

3

### **Data Quality**

share\_affordable\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

3

Weak

1

NA

NA

2

### 2.3.1.2 Variable: share\_affordable\_50\_ami

#### Summary

Min.

Median

Mean

Max.

NA's

0.78

1.85

1.83

3.02

3

#### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

3

Weak

1

NA

NA

2

### 2.3.1.3 Variable: share\_affordable\_80\_ami

#### Summary

Min.

Median

Mean

Max.

NA's

1.02

1.70

1.69

2.38

3

#### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

3

Weak

1

NA

NA

2



---

## 2.4 Predictor: Housing Stability

### 2.4.1 Metric: Number and share of public school children who are ever homeless during the school year

**Variables:** count\_homeless, share\_homeless, count\_homeless\_lb, count\_homeless\_ub, homeless\_quality

**Disaggregation:** None

#### 2.4.1.1 Variable: count\_homeless

##### Summary

Min.

Median

Mean

Max.

NA's

1

84

460

55,180

297

##### Data Quality

homeless\_quality

quality\_label

n

1

Strong

2503

2  
Marginal  
100  
3  
Weak  
243  
NA  
NA  
297

#### 2.4.1.2 Variable: share\_homeless

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.02  
0.03  
0.47  
297

##### Data Quality

homeless\_\_quality  
quality\_\_label  
n  
1  
Strong

2503  
2  
Marginal  
100  
3  
Weak  
243  
NA  
NA  
297

---

## 2.5 Predictor: Economic Inclusion

### 2.5.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

Variables: share\_poverty\_exposure, share\_poverty\_exposure\_quality

Disaggregation: [Race](#)

#### 2.5.1.1 Variable: share\_poverty\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.00

0.04

1.00

7

### Data Quality

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

2826

2

Marginal

294

3

Weak

16

NA

NA

7

---

## 2.6 Predictor: Racial Diversity

### 2.6.1 Metric: Neighborhood exposure index, or the share of a person's neighbors who are people of other races and ethnicities

**Variables:** share\_black\_nh\_exposure, share\_black\_nh\_exposure\_quality, share\_hispanic\_exposure, share\_hispanic\_exposure\_quality, share\_other\_nh\_exposure, share\_other\_nh\_exposure\_quality, share\_white\_nh\_exposure, share\_white\_nh\_exposure\_quality

**Disaggregation:** None

### 2.6.1.1 Variable: share\_black\_nh\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.12

0.93

0.84

1.00

453

#### Data Quality

share\_black\_nh\_exposure\_quality

quality\_label

n

1

Strong

1643

2

Marginal

684

3

Weak

363

NA

NA

453

### 2.6.1.2 Variable: share\_hispanic\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.02

0.92

0.86

1.00

91

#### Data Quality

share\_hispanic\_exposure\_quality

quality\_label

n

1

Strong

2165

2

Marginal

718

3

Weak

169

NA

NA

91

### 2.6.1.3 Variable: share\_other\_nh\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.04

0.94

0.91

1.00

65

#### Data Quality

share\_other\_nh\_exposure\_quality

quality\_label

n

1

Strong

2013

2

Marginal

881

3

Weak

184

NA

NA

65

#### 2.6.1.4 Variable: share\_white\_nh\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.16

0.22

0.97

2

##### Data Quality

share\_white\_nh\_exposure\_quality

quality\_label

n

1

Strong

3127

2

Marginal

12

3

Weak

2

NA

NA

2



---

## 2.7 Predictor: Social Capital

### 2.7.1 Metric: Number of membership associations per 10,000 people

**Variables:** count\_membership\_associations\_per\_10k, count\_membership\_associations\_per\_10k\_quality

**Disaggregation:** None

#### 2.7.1.1 Variable: count\_membership\_associations\_per\_10k

##### Summary

Min.

Median

Mean

Max.

NA's

1.00

11.00

11.81

59.80

152

##### Data Quality

count\_membership\_associations\_per\_10k\_quality

quality\_label

n

1

Strong

2991

NA

NA

152

## **2.7.2 Metric: Ratio of Facebook friends with higher socioeconomic status to Facebook friends with lower socioeconomic status (“economic connectedness”)**

**Variables:** ratio\_high\_low\_ses\_fb\_friends, ratio\_high\_low\_ses\_fb\_friends\_quality

**Disaggregation:** None

### **2.7.2.1 Variable: ratio\_high\_low\_ses\_fb\_friends**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.29

0.81

0.81

1.36

126

#### **Data Quality**

ratio\_high\_low\_ses\_fb\_friends\_quality

quality\_label

n

1

Strong

3017

NA

NA

126

---

## 2.8 Predictor: Transportation Access

### 2.8.1 Metric: Transit trips index

**Variables:** transportation\_cost, transportation\_cost\_quality, index\_transit\_trips, index\_transit\_trips\_quality

**Disaggregation:** [Race share](#)

#### 2.8.1.1 Variable: index\_transit\_trips

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

18.70

23.12

98.72

2

##### Data Quality

index\_transit\_trips\_quality

quality\_label

n

1

Strong  
3132  
2  
Marginal  
5  
3  
Weak  
4  
NA  
NA  
2

#### 2.8.1.2 Variable: transportation\_cost

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
18.21  
24.04  
98.24  
2

##### Data Quality

transportation\_cost\_quality  
quality\_label  
n

1  
Strong  
3131  
2  
Marginal  
6  
3  
Weak  
4  
NA  
NA  
2

---

## 2.9 Predictor: Access to Preschool

### 2.9.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

**Variables:** share\_in\_preschool, share\_in\_preschool\_quality

**Disaggregation:** [Race/ethnicity](#)

#### 2.9.1.1 Variable: share\_in\_preschool

##### Summary

Min.

Median

Mean

Max.

NA's

0.01

0.37

0.37

0.83

6

### Data Quality

share\_in\_preschool\_quality

quality\_label

n

1

Strong

415

2

Marginal

1595

3

Weak

1131

NA

NA

2

---

## 2.10 Predictor: Effective Public Education

### 2.10.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades

Variables: rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

Disaggregation: [Race/ethnicity](#), [Income](#)

### 2.10.1.1 Variable: rate\_learning

#### Summary

Min.

Median

Mean

Max.

NA's

-1.25

0.96

0.96

2.72

104

#### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

2513

2

Marginal

184

3

Weak

342

NA

NA

104

---

## 2.11 Predictor: School Economic Diversity

### 2.11.1 Metric: Share of students attending high-poverty schools, by student race or ethnicity

**Variables:** meps20\_black, meps20\_black\_quality, meps20\_hispanic, meps20\_hispanic\_quality, meps20\_white, meps20\_white\_quality

**Disaggregation:** None

#### 2.11.1.1 Variable: meps20\_black

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.42

0.44

1.00

98

##### Data Quality

meps20\_black\_quality

quality\_label

n

1

Strong

2065



2

Marginal

334

3

Weak

646

NA

NA

98

### **2.11.1.2 Variable: meps20\_hispanic**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

0.41

0.43

1.00

21

#### **Data Quality**

meps20\_\_hispanic\_\_quality

quality\_\_label

n

1

Strong

2718

2

Marginal

185

3

Weak

219

NA

NA

21

### **2.11.1.3 Variable: meps20\_white**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

0.26

0.36

1.00

6

#### **Data Quality**

meps20\_\_white\_\_quality

quality\_\_label

n

1

Strong  
3103  
2  
Marginal  
18  
3  
Weak  
16  
NA  
NA  
6

---

## 2.12 Predictor: Preparation for College

### 2.12.1 Metric: Share of 19- and 20-year-olds with a high school degree

Variables: `share_hs_degree`, `share_hs_degree_quality`

Disaggregation: [Race/ethnicity](#)

#### 2.12.1.1 Variable: `share_hs_degree`

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.40  
0.92

0.90

1.00

3

### Data Quality

share\_hs\_degree\_quality

quality\_label

n

1

Strong

472

2

Marginal

1749

3

Weak

920

NA

NA

2

---

## 2.13 Predictor: Digital Access

### 2.13.1 Metric: Share of households with broadband access in the home

**Variables:** share\_digital\_access, share\_digital\_access\_quality

**Disaggregation:** [Race](#)

### 2.13.1.1 Variable: share\_digital\_access

#### Summary

Min.

Median

Mean

Max.

NA's

0.23

0.84

0.82

0.99

2

#### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

3080

2

Marginal

55

3

Weak

6

NA

NA

2

---

## 2.14 Predictor: Employment Opportunities

### 2.14.1 Metric: Employment-to-population ratio for adults ages 25 to 54

Variables: share\_employed, share\_employed\_quality

Disaggregation: [Race/ethnicity](#)

#### 2.14.1.1 Variable: share\_employed

##### Summary

Min.

Median

Mean

Max.

NA's

0.52

0.79

0.78

0.92

3

##### Data Quality

share\_employed\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

NA

NA

3

---

## 2.15 Predictor: Jobs Paying Living Wages

### 2.15.1 Metric: Ratio of pay on the average job to the cost of living

**Variables:** ratio\_average\_to\_living\_wage, wage\_ratio\_quality

**Disaggregation:** None

#### 2.15.1.1 Variable: ratio\_average\_to\_living\_wage

##### Summary

Min.

Median

Mean

Max.

NA's

0.36

0.61

0.62

1.53

3

##### Data Quality

ratio\_average\_to\_living\_wage\_quality

quality\_label

n  
1  
Strong  
3126  
3  
Weak  
15  
NA  
NA  
2

---

## 2.16 Predictor: Opportunities for Income

### 2.16.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** `pctl_income_20`, `pctl_income_50`, `pctl_income_80`, `pctl_income_quality`

**Disaggregation:** [Race/ethnicity](#)

#### 2.16.1.1 Variable: `pctl_income_20`

##### Summary

Min.

Median

Mean

Max.

NA's

9,117.87

22,288.13

22,947.02



73,956.08

3

### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

NA

NA

3

### 2.16.1.2 Variable: pctl\_income\_50

#### Summary

Min.

Median

Mean

Max.

NA's

28,164.10

51,667.95

53,214.37

163,716.50

3

### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

NA

NA

3

### 2.16.1.3 Variable: pctl\_income\_80

#### Summary

Min.

Median

Mean

Max.

NA's

66,053.92

98,270.41

102,684.76

324,302.50

3

### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

560

2

Marginal

2580

NA

NA

3

---

## 2.17 Predictor: Financial Security

### 2.17.1 Metric: Share with debt in collections

**Variables:** share\_debt\_col, share\_debt\_col\_lb, share\_debt\_col\_ub, share\_debt\_col\_quality

**Disaggregation:** [Race share](#)

#### 2.17.1.1 Variable: share\_debt\_col

##### Summary

Min.

Median

Mean

Max.

NA's

0.02

0.28

0.28

0.64

85

### Data Quality

share\_debt\_col\_quality

quality\_label

n

1

Strong

3058

NA

NA

85

---

## 2.18 Predictor: Wealth Building Opportunities

### 2.18.1 Metric: Ratio of the share of a community's housing wealth held by a racial or ethnic group to the share of households of the same group

**Variables:** ratio\_black\_nh\_house\_value\_households, ratio\_hispanic\_house\_value\_households, ratio\_other\_nh\_house\_value\_households, ratio\_white\_nh\_house\_value\_households, ratio\_black\_nh\_house\_value\_households\_quality, ratio\_hispanic\_house\_value\_households\_quality, ratio\_other\_nh\_house\_value\_households\_quality, ratio\_white\_nh\_house\_value\_households\_quality

**Disaggregation:** None

### 2.18.1.1 Variable: ratio\_black\_nh\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

0.0%:0.0%

0.8%:2.0%

NA

NaN%:NaN%

4

#### Data Quality

ratio\_black\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

265

2

Marginal

106

3

Weak

2768

NA

NA

4

### 2.18.1.2 Variable: ratio\_hispanic\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

0.0%:0.0%

2.0%:2.7%

NA

NaN%:NaN%

4

#### Data Quality

ratio\_hispanic\_house\_value\_households\_quality

quality\_label

n

1

Strong

299

2

Marginal

67

3

Weak

2773

NA

NA

4

### 2.18.1.3 Variable: ratio\_other\_nh\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

0.2%:1.8%

3.9%:3.6%

NA

NaN%:NaN%

4

#### Data Quality

ratio\_other\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

366

2

Marginal

163

3

Weak

2610

NA

NA

4

#### 2.18.1.4 Variable: ratio\_white\_nh\_house\_value\_households

##### Summary

Min.

Median

Mean

Max.

NA's

10.1%:8.1%

88.8%:88.4%

NA

NaN%:NaN%

4

##### Data Quality

ratio\_white\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

559

2

Marginal

455

3

Weak

2125

NA

NA

4



---

## 2.19 Predictor: Access to Health Services

### 2.19.1 Metric: Ratio of population per primary care physician

**Variables:** ratio\_population\_pc\_physician, ratio\_population\_pc\_physician\_quality

**Disaggregation:** None

#### 2.19.1.1 Variable: ratio\_population\_pc\_physician

##### Summary

Min.

Median

Mean

Max.

NA's

0

2195:1

NA

999:1

2

##### Data Quality

ratio\_population\_pc\_physician\_quality

quality\_label

n

1

Strong

2352

2

Marginal

427

3

Weak

207

NA

NA

157

---

## 2.20 Predictor: Neonatal Health

### 2.20.1 Metric: Share of low-weight births

**Variables:** `rate_low_birth_weight`, `rate_low_birth_weight_lb`, `rate_low_birth_weight_ub`, `rate_low_birth_weight_quality`

**Disaggregation:** [Race/ethnicity](#)

#### 2.20.1.1 Variable: `rate_low_birth_weight`

##### Summary

Min.

Median

Mean

Max.

NA's

0.04

0.08

0.08

0.15

0

### Data Quality

rate\_low\_birth\_weight\_quality

quality\_label

n

1

Strong

577

2

Marginal

1

3

Weak

2565

---

## 2.21 Predictor: Environmental Quality

### 2.21.1 Metric: Air quality index

Variables: index\_air\_quality, index\_air\_quality\_quality

Disaggregation: [Race share](#)

### 2.21.1.1 Variable: index\_air\_quality

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

64.00

62.96

100.00

2

#### Data Quality

index\_\_air\_\_quality\_\_quality

quality\_\_label

n

1

Strong

3141

NA

NA

2

## 2.22 Predictor: Safety from Trauma

### 2.22.1 Metric: Number of deaths caused by injury per 100,000 people

**Variables:**    rate\_injury\_death,    rate\_injury\_death\_lb,    rate\_injury\_death\_ub,  
rate\_injury\_death\_quality

**Disaggregation:** None

#### 2.22.1.1 Variable: rate\_injury\_death

##### Summary

Min.

Median

Mean

Max.

NA's

19.93

89.38

92.05

280.11

107

##### Data Quality

rate\_injury\_death\_quality

quality\_label

n

1

Strong

2630

2

Marginal

372

3  
Weak  
34  
NA  
NA  
107

---

## 2.23 Predictor: Political Participation

### 2.23.1 Metric: Share of the voting-eligible population who turn out to vote

**Variables:** share\_election\_turnout, share\_election\_turnoutt\_quality

**Disaggregation:** None

#### 2.23.1.1 Variable: share\_election\_turnout

##### Summary

Min.

Median

Mean

Max.

NA's

0.19

0.66

0.66

1.00

31

##### Data Quality

share\_election\_turnout\_quality

quality\_label

n

1

Strong

3021

2

Marginal

81

3

Weak

10

NA

NA

31

---

## 2.24 Predictor: Descriptive Representation

### 2.24.1 Metric: Ratio of the share of local elected officials of a racial or ethnic group to the share of residents of the same racial or ethnic group

**Variables:** share\_desc\_rep\_asian\_other, share\_desc\_rep\_asian\_other\_quality, share\_desc\_rep\_black\_nonhispanic, share\_desc\_rep\_hispanic, share\_desc\_rep\_white\_nonhispanic

**Disaggregation:** None

---

## 2.25 Predictor: Safety from Crime

### 2.25.1 Metric: Rates of reported violent crime and property crime

**Variables:** rate\_violent\_crime, rate\_property\_crime, rate\_crime\_quality

**Disaggregation:** None

#### 2.25.1.1 Variable: rate\_violent\_crime

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

708.72

825.03

12,968.59

443

##### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

920

2

Marginal

492

3



Weak

1288

NA

NA

443

### **2.25.1.2 Variable: rate\_property\_crime**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

1,539.04

1,831.17

21,686.75

443

#### **Data Quality**

rate\_crime\_quality

quality\_label

n

1

Strong

920

2

Marginal

492

3  
Weak  
1288  
NA  
NA  
443

---

## 2.26 Predictor: Just Policing

### 2.26.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Disaggregation: [Race](#)

#### 2.26.1.1 Variable: rate\_juv\_arrest

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
549.20  
1,070.43  
19,073.87  
459

##### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

864

2

Marginal

480

3

Weak

1340

NA

NA

459

## 3 County Race/Ethnicity Data

year

### 3.1 State

state state\_name

### 3.2 County

county county\_name

### 3.3 Population

population

---

### 3.4 Predictor: Access to Preschool

#### 3.4.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

Variables: share\_in\_preschool, share\_in\_preschool\_quality

Years: 2018, 2021

### 3.4.1.1 Variable: share\_in\_preschool

#### Summary

Min.

Median

Mean

Max.

NA's

0.03

0.41

0.42

0.87

141190

#### Data Quality

share\_in\_preschool\_quality

quality\_label

n

1

Strong

2307

2

Marginal

8040

3

Weak

5613

NA

NA

141190

---

## 3.5 Predictor: Effective Public Education

### 3.5.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades

**Variables:** rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

**Years:** 2013, 2014, 2015, 2016, 2017

#### 3.5.1.1 Variable: rate\_learning

##### Summary

Min.

Median

Mean

Max.

NA's

−1.89

1.00

1.00

3.10

113428

##### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

34495

2

Marginal

2791

3

Weak

6436

NA

NA

113428

---

## 3.6 Predictor: Preparation for College

### 3.6.1 Metric: Share of 19- and 20-year-olds with a high school degree

**Variables:** share\_hs\_degree, share\_hs\_degree\_quality

**Years:** 2018, 2021

#### 3.6.1.1 Variable: share\_hs\_degree

##### Summary

Min.

Median

Mean

Max.

NA's

0.48

0.90

0.89

1.00

140940

## Data Quality

share\_hs\_degree\_quality

quality\_label

n

1

Strong

2349

2

Marginal

7004

3

Weak

6857

NA

NA

140940

---

## 3.7 Predictor: Employment Opportunities

### 3.7.1 Metric: Employment-to-population ratio for adults ages 25 to 54

**Variables:** share\_employed, share\_employed\_quality

**Years:** 2018, 2021



### 3.7.1.1 Variable: share\_employed

#### Summary

Min.

Median

Mean

Max.

NA's

0.33

0.76

0.76

0.98

129219

#### Data Quality

share\_employed\_quality

quality\_label

n

1

Strong

4763

2

Marginal

16221

3

Weak

6947

NA

NA

129219

---

## 3.8 Predictor: Opportunities for Income

### 3.8.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** `pctl_income_20`, `pctl_income_50`, `pctl_income_80`, `pctl_income_quality`

**Years:** 2018, 2021

#### 3.8.1.1 Variable: `pctl_income_20`

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

21,984.20

22,593.08

98,378.81

129485

##### Data Quality

`pctl_income_quality`

`quality_label`

n

1

Strong

4617

2

Marginal

15586

3

Weak

7462

NA

NA

129485

### **3.8.1.2 Variable: pctl\_income\_50**

#### **Summary**

Min.

Median

Mean

Max.

NA's

13,869.88

50,849.68

52,135.10

205,282.80

129479

#### **Data Quality**

pctl\_income\_quality

quality\_label

n

1

Strong

4617

2

Marginal

15586

3

Weak

7462

NA

NA

129485

### **3.8.1.3 Variable: pctl\_income\_80**

#### **Summary**

Min.

Median

Mean

Max.

NA's

32,533.99

97,844.66

100,930.25

534,358.69

129479

#### **Data Quality**

pctl\_income\_quality

quality\_label

n

1

Strong

4617  
2  
Marginal  
15586  
3  
Weak  
7462  
NA  
NA  
129485

---

## 3.9 Predictor: Neonatal Health

### 3.9.1 Metric: Share with low birth weight

**Variables:** `rate_low_birth_weight`, `rate_low_birth_weight_lb`, `rate_low_birth_weight_ub`, `rate_low_birth_weight_quality`

**Years:** 2018, 2020

#### 3.9.1.1 Variable: `rate_low_birth_weight`

##### Summary

Min.

Median

Mean

Max.

NA's

0.03

0.08

0.09

0.35

127468

### **Data Quality**

rate\_low\_birth\_weight\_quality

quality\_label

n

1

Strong

3853

2

Marginal

985

3

Weak

26582

NA

NA

125730

## 4 County Race Data

year

### 4.1 State

state state\_name

### 4.2 County

county county\_name

### 4.3 Population

population

### 4.4 Predictor: Digital Access

#### 4.4.1 Metric: Share of households with broadband access in the home

Variables: share\_digital\_access, share\_digital\_access\_quality

Years: 2021

#### 4.4.1.1 Variable: share\_digital\_access

##### Summary

Min.

Median

Mean

Max.

NA's

0.05

0.84

0.81

1.00

32712

##### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

10365

2

Marginal

2233

3

Weak

1835

NA

NA

32712



## 4.5 Predictor: Just Policing

### 4.5.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Years: 2021

#### 4.5.1.1 Variable: rate\_juv\_arrest

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

263.06

1,354.53

178,274.24

35454

##### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

3615

2

Marginal

2330

3

Weak

5746

NA

NA

35454

# 5 County Poverty Exposure Data

## 5.0.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

Variables: share\_poverty\_exposure, share\_poverty\_exposure\_quality

Years: 2018, 2021

### 5.0.1.1 Variable: share\_poverty\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.00

0.05

1.00

3994

#### Data Quality

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

15449

2

Marginal

7048

3

Weak

4934

NA

NA

3994

## 6 County Race Share Data

### 6.0.1 Metric: Transit trips index

**Variables:** transportation\_cost, transportation\_cost\_quality, index\_transit\_trips, index\_transit\_trips\_quality

**Years:** 2016

#### 6.0.1.1 Variable: index\_transit\_trips

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

20.46

25.58

98.97

29456

##### Data Quality

index\_transit\_trips\_quality

quality\_label

n

1

Strong

7217  
2  
Marginal  
590  
3  
Weak  
441  
NA  
NA  
29456

#### **6.0.1.2 Variable: transportation\_cost**

##### **Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
20.11  
26.38  
98.49  
29456

##### **Data Quality**

transportation\_cost\_quality  
quality\_label  
n  
1

Strong  
7217  
2  
Marginal  
590  
3  
Weak  
441  
NA  
NA  
29456

---

## 6.1 Predictor: Financial Security

### 6.1.1 Metric: Share with debt in collections

**Variables:** share\_debt\_col, share\_debt\_col\_lb, share\_debt\_col\_ub, share\_debt\_col\_quality

**Years:** 2018

#### 6.1.1.1 Variable: share\_debt\_col

##### Summary

Min.

Median

Mean

Max.

NA's

0.05

0.32

0.33

0.82

31599

### **Data Quality**

share\_debt\_col\_quality

quality\_label

n

1

Strong

6105

NA

NA

31599

---

## **6.2 Predictor: Environmental Quality**

### **6.2.1 Metric: Air quality index**

**Variables:** index\_air\_quality, index\_air\_quality\_quality

**Years:** 2014, 2018



### 6.2.1.1 Variable: index\_air\_quality

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

65.00

62.30

100.00

21203

#### Data Quality

index\_air\_quality\_quality

quality\_label

n

1

Strong

16497

2

Marginal

4

NA

NA

21203

---

**Part IX**

**City Data Sets**

The mobility metrics are contained in several distinct data sets. The data sets are organized according to the principles of [tidy data](#) and each data set has a unique unit of observation.

## **Part X**

**05\_mobility-  
metrics\_place\_longitudinal.csv**

- **Unit of Observation:** One row per city per year.
- **Dimensions:** 3,888 rows and 73 columns
- **Years:** 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021

This data set contains all of the city-level mobility metrics for all available years. In some cases it will contain more years of data than are available in the mobility metrics data pages.

---

## Part XI

**05\_mobility-metrics\_place\_recent.csv**

- **Unit of Observation:** One row per city.
- **Dimensions:** 486 rows and 72 columns

This data set contains all of the city-level mobility metrics for the most recent year available for each metric. For example, if one metric is available in 2018 and another metric is available in 2021, both metrics will show up in the same row in this data set.

---

## Part XII

**06\_mobility-metrics\_place\_race-  
ethnicity\_longitudinal.csv**



- **Unit of Observation:** One row per city per race-ethnicity group per year.
- **Dimensions:** 24,300 rows and 27 columns
- **Years:** 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022

This data set contains mobility metrics disaggregated by race/ethnicity group when available.

---

## **Part XIII**

**07\_mobility-  
metrics\_place\_race\_longitudinal.csv**

- **Unit of Observation:** One row per city per race group per year.
- **Dimensions:** 2,430 rows and 11 columns
- **Years:** 2021

This data set contains mobility metrics disaggregated by race group when available.

---

## **Part XIV**

**07\_poverty-  
exposure\_city\_subgroup.csv**

- **Unit of Observation:** One row per city per race group per year.
- **Dimensions:** 2,430 rows and 9 columns
- **Years:** 2021

This data set contains special race and ethnicity tabulations for the economic inclusion mobility metric.

---

## **Part XV**

**09\_place\_environmental-  
exposure\_poverty\_longitudinal.csv**

- **Unit of Observation:** One row per city per majority race group in a subgeography per year.
- **Dimensions:** 2,907 rows and 9 columns
- **Years:** 2018, 2014

This data set contains mobility metrics disaggregated by the majority race of the subgeographies in the city.

---

## **Part XVI**

**09\_place\_SEDA-  
income\_longitudinal.csv**



- **Unit of Observation:** One row per city per majority race group in a subgeography per year.
- **Dimensions:** 2,910 rows and 11 columns
- **Years:** 2017, 2016

This data set contains mobility metrics disaggregated using special disaggregations for SEDA data.

---

The next sections provide detailed documentation for each data set.

## 7 City Longitudinal Data

year

### 7.1 State

state state\_name

### 7.2 County

county county\_name

### 7.3 Population

population

### 7.4 Predictor: Housing Affordability

#### 7.4.1 Metric: Ratio of affordable and available housing units to households with low-, very low-, and extremely low income levels

**Variables:** share\_affordable\_30\_ami, share\_affordable\_50\_ami, share\_affordable\_80\_ami, share\_affordable\_quality

**Years:** 2021

**Disaggregation:** None

#### 7.4.1.1 Variable: share\_affordable\_30\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.39

1.05

1.13

3.43

3402

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

#### 7.4.1.2 Variable: share\_affordable\_50\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.65

1.25

1.30

2.85

3402

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

#### 7.4.1.3 Variable: share\_affordable\_80\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.87

1.48

1.50

2.70

3402

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

---

## 7.5 Predictor: Housing Stability

### 7.5.1 Metric: Number and share of public school children who are ever homeless during the school year

**Variables:** count\_homeless, share\_homeless, count\_homeless\_lb, count\_homeless\_ub, homeless\_quality

**Years:** 2016, 2017, 2018, 2019

**Disaggregation:** None

#### 7.5.1.1 Variable: count\_homeless

##### Summary

Min.

Median

Mean

Max.

NA's

1

710

1,448

53,661

2175

##### Data Quality

homeless\_\_quality

quality\_\_label

n

1

Strong

1691  
2  
Marginal  
6  
3  
Weak  
16  
NA  
NA  
2175

#### 7.5.1.2 Variable: share\_homeless

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.02  
0.03  
0.92  
2175

##### Data Quality

homeless\_quality  
quality\_label  
n  
1

Strong  
1691  
2  
Marginal  
6  
3  
Weak  
16  
NA  
NA  
2175

---

## 7.6 Predictor: Economic Inclusion

### 7.6.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

Variables: share\_poverty\_exposure, share\_poverty\_exposure\_quality

Years: 2021

Disaggregation: [Race](#)

#### 7.6.1.1 Variable: share\_poverty\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's



0.00

0.00

0.09

0.61

3402

### Data Quality

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

452

2

Marginal

34

NA

NA

3402

---

## 7.7 Predictor: Racial Diversity

### 7.7.1 Metric: Neighborhood exposure index, or the share of a person's neighbors who are people of other races and ethnicities

**Variables:** share\_black\_nh\_exposure, share\_black\_nh\_exposure\_quality, share\_hispanic\_exposure, share\_hispanic\_exposure\_quality, share\_other\_nh\_exposure, share\_other\_nh\_exposure\_quality, share\_white\_nh\_exposure, share\_white\_nh\_exposure\_quality

**Years:** 2021

**Disaggregation:** None

#### 7.7.1.1 Variable: share\_black\_nh\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.08

0.86

0.79

1.00

3402

##### Data Quality

share\_black\_nh\_exposure\_quality

quality\_label

n

1

Strong

444

2

Marginal

40

3

Weak

2

NA

NA

3402

### 7.7.1.2 Variable: share\_hispanic\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.04

0.72

0.68

0.97

3402

#### Data Quality

share\_hispanic\_exposure\_quality

quality\_label

n

1

Strong

485

2

Marginal

1

NA

NA

3402

### 7.7.1.3 Variable: share\_other\_nh\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.21

0.87

0.83

0.99

3402

#### Data Quality

share\_other\_nh\_exposure\_quality

quality\_label

n

1

Strong

478

2

Marginal

7

3

Weak

1

NA

NA

3402

#### 7.7.1.4 Variable: share\_white\_nh\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.12

0.42

0.46

0.99

3402

##### Data Quality

share\_white\_nh\_exposure\_quality

quality\_label

n

1

Strong

486

NA

NA

3402

## 7.8 Predictor: Social Capital

### 7.8.1 Metric: Number of membership associations per 10,000 people

**Variables:** count\_membership\_associations\_per\_10k, count\_membership\_associations\_per\_10k\_quality

**Years:** 2020

**Disaggregation:** None

#### 7.8.1.1 Variable: count\_membership\_associations\_per\_10k

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

1.60

1.92

7.80

3402

##### Data Quality

count\_membership\_associations\_per\_10k\_quality

quality\_label

n

1

Strong

157

2

Marginal

329

NA

NA

3402

### **7.8.2 Metric: Ratio of Facebook friends with higher socioeconomic status to Facebook friends with lower socioeconomic status (“economic connectedness”)**

**Variables:** ratio\_high\_low\_ses\_fb\_friends, ratio\_high\_low\_ses\_fb\_friends\_quality

**Years:** 2020

**Disaggregation:** None

#### **7.8.2.1 Variable: ratio\_high\_low\_ses\_fb\_friends**

##### **Summary**

Min.

Median

Mean

Max.

NA’s

0.42

0.85

0.87

1.56

3402

##### **Data Quality**

ratio\_high\_low\_ses\_fb\_friends\_quality

quality\_label

n

1

Strong

13  
2  
Marginal  
108  
3  
Weak  
364  
NA  
NA  
3403

---

## 7.9 Predictor: Access to Preschool

### 7.9.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

**Variables:** share\_in\_preschool, share\_in\_preschool\_quality

**Years:** 2021

**Disaggregation:** [Race/ethnicity](#)

#### 7.9.1.1 Variable: share\_in\_preschool

##### Summary

Min.

Median

Mean

Max.

NA's

0.05

0.38



0.39

0.86

3402

### **Data Quality**

share\_in\_preschool\_quality

quality\_label

n

1

Strong

195

2

Marginal

213

3

Weak

78

NA

NA

3402

---

## **7.10 Predictor: Effective Public Education**

### **7.10.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades**

**Variables:** rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

**Years:** 2016, 2017

**Disaggregation:** [Race/ethnicity](#), [Income](#)

### 7.10.1.1 Variable: rate\_learning

#### Summary

Min.

Median

Mean

Max.

NA's

0.29

1.02

1.02

1.99

3089

#### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

675

2

Marginal

57

3

Weak

67

NA

NA

3089

---

## 7.11 Predictor: School Economic Diversity

### 7.11.1 Metric: Share of students attending high-poverty schools, by student race or ethnicity

**Variables:** meps20\_black, meps20\_black\_quality, meps20\_hispanic, meps20\_hispanic\_quality, meps20\_white, meps20\_white\_quality

**Years:** 2016, 2017, 2018

**Disaggregation:** None

#### 7.11.1.1 Variable: meps20\_black

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.52

0.48

1.00

2441

##### Data Quality

meps20\_black\_quality

quality\_label

n

1

Strong

1441  
2  
Marginal  
3  
3  
Weak  
3  
NA  
NA  
2441

#### 7.11.1.2 Variable: meps20\_hispanic

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.52  
0.50  
1.00  
2441

##### Data Quality

meps20\_\_hispanic\_\_quality  
quality\_\_label  
n  
1

Strong  
1446  
2  
Marginal  
1  
NA  
NA  
2441

### 7.11.1.3 Variable: meps20\_white

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.21  
0.30  
1.00  
2441

#### Data Quality

meps20\_white\_quality  
quality\_label  
n  
1  
Strong  
1447

NA  
NA  
2441

---

## 7.12 Predictor: Preparation for College

### 7.12.1 Metric: Share of 19- and 20-year-olds with a high school degree

**Variables:** share\_hs\_degree, share\_hs\_degree\_quality

**Years:** 2021

**Disaggregation:** [Race/ethnicity](#)

#### 7.12.1.1 Variable: share\_hs\_degree

##### Summary

Min.

Median

Mean

Max.

NA's

0.53

0.92

0.91

1.00

3402

##### Data Quality

share\_hs\_degree\_quality

quality\_label

n

1  
Strong  
210  
2  
Marginal  
225  
3  
Weak  
51  
NA  
NA  
3402

---

## 7.13 Predictor: Digital Access

### 7.13.1 Metric: Share of households with broadband access in the home

**Variables:** share\_digital\_access, share\_digital\_access\_quality

**Years:** 2021

**Disaggregation:** [Race](#)

### 7.13.1.1 Variable: share\_digital\_access

#### Summary

Min.

Median

Mean

Max.

NA's

0.66

0.90

0.89

0.98

3402

#### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

486

NA

NA

3402

---



## 7.14 Predictor: Employment Opportunities

### 7.14.1 Metric: Employment-to-population ratio for adults ages 25 to 54

Variables: share\_employed, share\_employed\_quality

Years: 2021

Disaggregation: [Race/ethnicity](#)

#### 7.14.1.1 Variable: share\_employed

##### Summary

Min.

Median

Mean

Max.

NA's

0.59

0.80

0.79

0.93

3402

##### Data Quality

share\_employed\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3  
Weak  
19  
NA  
NA  
3402

---

## 7.15 Predictor: Opportunities for Income

### 7.15.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** pctl\_income\_20, pctl\_income\_50, pctl\_income\_80, pctl\_income\_quality

**Years:** 2021

**Disaggregation:** [Race/ethnicity](#)

#### 7.15.1.1 Variable: pctl\_income\_20

##### Summary

Min.

Median

Mean

Max.

NA's

12,359.14

30,640.36

31,871.92

85,484.02

3402

##### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

#### **7.15.1.2 Variable: pctl\_income\_50**

##### **Summary**

Min.

Median

Mean

Max.

NA's

36,047.48

70,060.85

75,058.31

185,387.04

3402

### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

#### 7.15.1.3 Variable: pctl\_income\_80

### Summary

Min.

Median

Mean

Max.

NA's

72,094.96

134,405.60

146,042.23

424,742.31

3402

### Data Quality

pctl\_income\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

NA

NA

3402

---

## 7.16 Predictor: Financial Security

### 7.16.1 Metric: Share with debt in collections

**Variables:** share\_debt\_col, share\_debt\_col\_lb, share\_debt\_col\_ub, share\_debt\_col\_quality

**Years:** 2021

**Disaggregation:** None

#### 7.16.1.1 Variable: share\_debt\_col

##### Summary

Min.

Median

Mean

Max.

NA's

0.12

0.32

0.33

0.58

3784

##### Data Quality

share\_debt\_col\_quality

quality\_label

n

1

Strong

104

NA

NA

3784

## 7.17 Predictor: Wealth Building Opportunities

### 7.17.1 Metric: Ratio of the share of a community's housing wealth held by a racial or ethnic group to the share of households of the same group

**Variables:** ratio\_black\_nh\_house\_value\_households, ratio\_hispanic\_house\_value\_households, ratio\_other\_nh\_house\_value\_households, ratio\_white\_nh\_house\_value\_households, ratio\_black\_nh\_house\_value\_households\_quality, ratio\_hispanic\_house\_value\_households\_quality, ratio\_other\_nh\_house\_value\_households\_quality, ratio\_white\_nh\_house\_value\_households\_quality

**Years:** 2014, 2015, 2016, 2017, 2018, 2019, 2021

**Disaggregation:** None

#### 7.17.1.1 Variable: ratio\_black\_nh\_house\_value\_households

##### Summary

Min.

Median

Mean

Max.

NA's

0.0%:0.0%

NA

NA

9.9%:9.3%

486

##### Data Quality

ratio\_black\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

549

2  
Marginal  
930  
3  
Weak  
1923  
NA  
NA  
486

#### 7.17.1.2 Variable: ratio\_hispanic\_house\_value\_households

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.0%:0.7%  
NA  
NA  
96.8%:95.7%  
486

##### Data Quality

ratio\_hispanic\_house\_value\_households\_quality  
quality\_label  
n  
1  
Strong



510  
2  
Marginal  
1168  
3  
Weak  
1724  
NA  
NA  
486

**7.17.1.3 Variable: ratio\_other\_nh\_house\_value\_households**

**Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.0%:0.0%  
NA  
NA  
9.9%:9.6%  
486

**Data Quality**

ratio\_other\_nh\_house\_value\_households\_quality  
quality\_label  
n  
1

Strong  
547  
2  
Marginal  
1215  
3  
Weak  
1640  
NA  
NA  
486

#### 7.17.1.4 Variable: ratio\_white\_nh\_house\_value\_households

##### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.7%:1.3%  
NA  
NA  
99.3%:89.6%  
486

##### Data Quality

ratio\_white\_nh\_house\_value\_households\_quality  
quality\_label  
n

1  
Strong  
720  
2  
Marginal  
1456  
3  
Weak  
1226  
NA  
NA  
486

---

## 7.18 Predictor: Environmental Quality

### 7.18.1 Metric: Air quality index

**Variables:** index\_air\_quality, index\_air\_quality\_quality

**Years:** 2014, 2018

**Disaggregation:** [Race share](#)

### 7.18.1.1 Variable: index\_air\_quality

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

40.00

40.19

96.00

2922

#### Data Quality

index\_air\_quality\_quality

quality\_label

n

1

Strong

966

NA

NA

2922

---

## 7.19 Predictor: Political Participation

### 7.19.1 Metric: Share of the voting-eligible population who turn out to vote

**Variables:** share\_election\_turnout, share\_election\_turnoutt\_quality

**Years:** 2020

**Disaggregation:** None

#### 7.19.1.1 Variable: share\_election\_turnout

##### Summary

Min.

Median

Mean

Max.

NA's

0.29

0.64

0.64

0.94

3402

##### Data Quality

share\_election\_turnout\_quality

quality\_label

n

1

Strong

408

2

Marginal

42

3

Weak

36

NA

NA

3402

---

## 7.20 Predictor: Descriptive Representation

### 7.20.1 Metric: Ratio of the share of local elected officials of a racial or ethnic group to the share of residents of the same racial or ethnic group

**Variables:** share\_desc\_rep\_asian\_other, share\_desc\_rep\_asian\_other\_quality, share\_desc\_rep\_black\_nonhispanic, share\_desc\_rep\_hispanic, share\_desc\_rep\_white\_nonhispanic

**Years:** 2021

**Disaggregation:** None

---

## 7.21 Predictor: Safety from Crime

### 7.21.1 Metric: Rates of reported violent crime and property crime

**Variables:** rate\_violent\_crime, rate\_property\_crime, rate\_crime\_quality

**Years:** 2021

**Disaggregation:** None

### 7.21.1.1 Variable: rate\_violent\_crime

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

1,240.61

1,448.08

13,765.64

3574

#### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

209

2

Marginal

75

3

Weak

30

NA

NA

3574

### 7.21.1.2 Variable: rate\_property\_crime

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

3,434.57

3,875.26

22,171.84

3574

#### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

209

2

Marginal

75

3

Weak

30

NA

NA

3574



---

## 7.22 Predictor: Just Policing

### 7.22.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Years: 2021

Disaggregation: [Race](#)

#### 7.22.1.1 Variable: rate\_juv\_arrest

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

1,030.99

1,386.13

11,169.73

3578

##### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

199

2

Marginal

83

3

Weak

28

NA

NA

3578

## 8 City Recent Data

year

### 8.1 State

state state\_name

### 8.2 County

county county\_name

### 8.3 Population

population

### 8.4 Predictor: Housing Affordability

#### 8.4.1 Metric: Ratio of affordable and available housing units to households with low-, very low-, and extremely low income levels

Variables: share\_affordable\_30\_ami, share\_affordable\_50\_ami, share\_affordable\_80\_ami, share\_affordable\_quality

Disaggregation: None

#### 8.4.1.1 Variable: share\_affordable\_30\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.39

1.05

1.13

3.43

0

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

#### 8.4.1.2 Variable: share\_affordable\_50\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.65

1.25

1.30

2.85

0

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

#### 8.4.1.3 Variable: share\_affordable\_80\_ami

##### Summary

Min.

Median

Mean

Max.

NA's

0.87

1.48

1.50

2.70

0

##### Data Quality

share\_affordable\_quality

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

---

## 8.5 Predictor: Housing Stability

### 8.5.1 Metric: Number and share of public school children who are ever homeless during the school year

**Variables:** count\_homeless, share\_homeless, count\_homeless\_lb, count\_homeless\_ub, homeless\_quality

**Disaggregation:** None

#### 8.5.1.1 Variable: count\_homeless

##### Summary

Min.

Median

Mean

Max.

NA's

1

665

1,302

21,911

56

##### Data Quality

homeless\_\_quality

quality\_\_label

n

1

Strong

425

2

Marginal

2

3

Weak

3

NA

NA

56

#### **8.5.1.2 Variable: share\_homeless**

##### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

0.02

0.03

0.32

56

##### **Data Quality**

homeless\_quality

quality\_label

n

1

Strong

425

2



Marginal

2

3

Weak

3

NA

NA

56

---

## 8.6 Predictor: Economic Inclusion

### 8.6.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

Variables: `share_poverty_exposure`, `share_poverty_exposure_quality`

Disaggregation: [Race](#)

#### 8.6.1.1 Variable: `share_poverty_exposure`

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.00

0.09

0.61

0

### Data Quality

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

452

2

Marginal

34

---

## 8.7 Predictor: Racial Diversity

### 8.7.1 Metric: Neighborhood exposure index, or the share of a person's neighbors who are people of other races and ethnicities

**Variables:** share\_black\_nh\_exposure, share\_black\_nh\_exposure\_quality, share\_hispanic\_exposure, share\_hispanic\_exposure\_quality, share\_other\_nh\_exposure, share\_other\_nh\_exposure\_quality, share\_white\_nh\_exposure, share\_white\_nh\_exposure\_quality

**Disaggregation:** None

#### 8.7.1.1 Variable: share\_black\_nh\_exposure

##### Summary

Min.

Median

Mean

Max.

NA's

0.08  
0.86  
0.79  
1.00  
0

**Data Quality**

share\_black\_nh\_exposure\_quality  
quality\_label  
n  
1  
Strong  
444  
2  
Marginal  
40  
3  
Weak  
2

**8.7.1.2 Variable: share\_hispanic\_exposure**

**Summary**

Min.  
Median  
Mean  
Max.  
NA's  
0.04  
0.72

0.68

0.97

0

#### **Data Quality**

share\_hispanic\_exposure\_quality

quality\_label

n

1

Strong

485

2

Marginal

1

#### **8.7.1.3 Variable: share\_other\_nh\_exposure**

#### **Summary**

Min.

Median

Mean

Max.

NA's

0.21

0.87

0.83

0.99

0

#### **Data Quality**

share\_other\_nh\_exposure\_quality

quality\_label

n

1

Strong

478

2

Marginal

7

3

Weak

1

#### **8.7.1.4 Variable: share\_white\_nh\_exposure**

##### **Summary**

Min.

Median

Mean

Max.

NA's

0.12

0.42

0.46

0.99

0

##### **Data Quality**

share\_white\_nh\_exposure\_quality

quality\_label

n

1

Strong

486

---

## 8.8 Predictor: Social Capital

### 8.8.1 Metric: Number of membership associations per 10,000 people

**Variables:** count\_membership\_associations\_per\_10k, count\_membership\_associations\_per\_10k\_quality

**Disaggregation:** None

#### 8.8.1.1 Variable: count\_membership\_associations\_per\_10k

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

1.60

1.92

7.80

0

##### Data Quality

count\_membership\_associations\_per\_10k\_quality

quality\_label

n

1

Strong

157

2

Marginal

329

### **8.8.2 Metric: Ratio of Facebook friends with higher socioeconomic status to Facebook friends with lower socioeconomic status (“economic connectedness”)**

**Variables:** ratio\_high\_low\_ses\_fb\_friends, ratio\_high\_low\_ses\_fb\_friends\_quality

**Disaggregation:** None

#### **8.8.2.1 Variable: ratio\_high\_low\_ses\_fb\_friends**

##### **Summary**

Min.

Median

Mean

Max.

NA's

0.42

0.85

0.87

1.56

0

##### **Data Quality**

ratio\_high\_low\_ses\_fb\_friends\_quality

quality\_label

n

1

Strong  
13  
2  
Marginal  
108  
3  
Weak  
364  
NA  
NA  
1

---

## 8.9 Predictor: Access to Preschool

### 8.9.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

Variables: `share_in_preschool`, `share_in_preschool_quality`

Disaggregation: [Race/ethnicity](#)

#### 8.9.1.1 Variable: `share_in_preschool`

##### Summary

Min.

Median

Mean

Max.

NA's

0.05

0.38



0.39

0.86

0

### Data Quality

share\_in\_preschool\_quality

quality\_label

n

1

Strong

195

2

Marginal

213

3

Weak

78

---

## 8.10 Predictor: Effective Public Education

### 8.10.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades

Variables: rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

Disaggregation: [Race/ethnicity](#), [Income](#)

#### 8.10.1.1 Variable: rate\_learning

##### Summary

Min.

Median

Mean

Max.

NA's

0.29

0.99

1.00

1.54

88

##### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

336

2

Marginal

30

3

Weak

32

NA

NA

88

---

## 8.11 Predictor: School Economic Diversity

### 8.11.1 Metric: Share of students attending high-poverty schools, by student race or ethnicity

**Variables:** meps20\_black, meps20\_black\_quality, meps20\_hispanic, meps20\_hispanic\_quality, meps20\_white, meps20\_white\_quality

**Disaggregation:** None

#### 8.11.1.1 Variable: meps20\_black

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.48

0.47

1.00

3

##### Data Quality

meps20\_black\_quality

quality\_label

n

1

Strong

482

3

Weak

1

NA

NA

3

#### **8.11.1.2 Variable: meps20\_hispanic**

##### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

0.47

0.48

1.00

3

##### **Data Quality**

meps20\_hispanic\_quality

quality\_label

n

1

Strong

482

2

Marginal

1  
NA  
NA  
3

### 8.11.1.3 Variable: meps20\_white

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
0.00  
0.19  
0.28  
1.00  
3

#### Data Quality

meps20\_\_white\_\_quality  
quality\_\_label  
n  
1  
Strong  
483  
NA  
NA  
3

## 8.12 Predictor: Preparation for College

### 8.12.1 Metric: Share of 19- and 20-year-olds with a high school degree

Variables: share\_hs\_degree, share\_hs\_degree\_quality

Disaggregation: [Race/ethnicity](#)

#### 8.12.1.1 Variable: share\_hs\_degree

##### Summary

Min.

Median

Mean

Max.

NA's

0.53

0.92

0.91

1.00

0

##### Data Quality

share\_hs\_degree\_quality

quality\_label

n

1

Strong

210

2

Marginal

225

3

Weak

51

---

## 8.13 Predictor: Digital Access

### 8.13.1 Metric: Share of households with broadband access in the home

**Variables:** share\_digital\_access, share\_digital\_access\_quality

**Disaggregation:** [Race](#)

#### 8.13.1.1 Variable: share\_digital\_access

##### Summary

Min.

Median

Mean

Max.

NA's

0.66

0.90

0.89

0.98

0

##### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

---

## 8.14 Predictor: Employment Opportunities

### 8.14.1 Metric: Employment-to-population ratio for adults ages 25 to 54

Variables: share\_employed, share\_employed\_quality

Disaggregation: [Race/ethnicity](#)

#### 8.14.1.1 Variable: share\_employed

##### Summary

Min.

Median

Mean

Max.

NA's

0.59

0.80

0.79

0.93

0

##### Data Quality

share\_employed\_quality

quality\_label

n

1

Strong

220



2

Marginal

247

3

Weak

19

---

## 8.15 Predictor: Opportunities for Income

### 8.15.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** `pctl_income_20`, `pctl_income_50`, `pctl_income_80`, `pctl_income_quality`

**Disaggregation:** [Race/ethnicity](#)

#### 8.15.1.1 Variable: `pctl_income_20`

##### Summary

Min.

Median

Mean

Max.

NA's

12,359.14

30,640.36

31,871.92

85,484.02

0

##### Data Quality

`pctl_income_quality`

quality\_label

n

1

Strong

220

2

Marginal

247

3

Weak

19

#### **8.15.1.2 Variable: pctl\_income\_50**

##### **Summary**

Min.

Median

Mean

Max.

NA's

36,047.48

70,060.85

75,058.31

185,387.04

0

##### **Data Quality**

pctl\_income\_\_quality

quality\_label

n

1  
Strong  
220  
2  
Marginal  
247  
3  
Weak  
19

### 8.15.1.3 Variable: `pctl_income_80`

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
72,094.96  
134,405.60  
146,042.23  
424,742.31  
0

#### Data Quality

`pctl_income_quality`  
`quality_label`  
n  
1  
Strong

220

2

Marginal

247

3

Weak

19

---

## 8.16 Predictor: Financial Security

### 8.16.1 Metric: Share with debt in collections

**Variables:** share\_debt\_col, share\_debt\_col\_lb, share\_debt\_col\_ub, share\_debt\_col\_quality

**Disaggregation:** None

#### 8.16.1.1 Variable: share\_debt\_col

##### Summary

Min.

Median

Mean

Max.

NA's

0.12

0.32

0.33

0.58

382

##### Data Quality

share\_debt\_col\_quality

quality\_label

n

1

Strong

104

NA

NA

382

---

## 8.17 Predictor: Wealth Building Opportunities

### 8.17.1 Metric: Ratio of the share of a community's housing wealth held by a racial or ethnic group to the share of households of the same group

**Variables:** ratio\_black\_nh\_house\_value\_households, ratio\_hispanic\_house\_value\_households, ratio\_other\_nh\_house\_value\_households, ratio\_white\_nh\_house\_value\_households, ratio\_black\_nh\_house\_value\_households\_quality, ratio\_hispanic\_house\_value\_households\_quality, ratio\_other\_nh\_house\_value\_households\_quality, ratio\_white\_nh\_house\_value\_households\_quality

**Disaggregation:** None

#### 8.17.1.1 Variable: ratio\_black\_nh\_house\_value\_households

##### Summary

Min.

Median

Mean

Max.

NA's

0.0%:0.0%

NA

NA

9.8%:9.9%

0

### Data Quality

ratio\_black\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

81

2

Marginal

136

3

Weak

269

### 8.17.1.2 Variable: ratio\_hispanic\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

0.5%:2.7%

NA

NA

95.0%:95.4%

0

### Data Quality

ratio\_hispanic\_house\_value\_households\_quality

quality\_label

n

1

Strong

79

2

Marginal

178

3

Weak

229

### 8.17.1.3 Variable: ratio\_other\_nh\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

0.0%:1.1%

NA

NA

9.8%:14.3%

0

### Data Quality

ratio\_other\_nh\_house\_value\_households\_quality

quality\_label

n

1

Strong

88

2

Marginal

191

3

Weak

207

### 8.17.1.4 Variable: ratio\_white\_nh\_house\_value\_households

#### Summary

Min.

Median

Mean

Max.

NA's

1.8%:1.3%

NA

NA

94.0%:85.3%

0

### Data Quality

ratio\_white\_nh\_house\_value\_households\_quality



quality\_label

n

1

Strong

102

2

Marginal

208

3

Weak

176

---

## 8.18 Predictor: Environmental Quality

### 8.18.1 Metric: Air quality index

**Variables:** index\_air\_quality, index\_air\_quality\_quality

**Disaggregation:** [Race share](#)

#### 8.18.1.1 Variable: index\_air\_quality

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

39.00

38.39

96.00

3

### Data Quality

index\_air\_quality\_quality

quality\_label

n

1

Strong

483

NA

NA

3

---

## 8.19 Predictor: Political Participation

### 8.19.1 Metric: Share of the voting-eligible population who turn out to vote

**Variables:** share\_election\_turnout, share\_election\_turnoutt\_quality

**Disaggregation:** None

**8.19.1.1 Variable: share\_election\_turnout**

**Summary**

Min.

Median

Mean

Max.

NA's

0.29

0.64

0.64

0.94

0

**Data Quality**

share\_election\_turnout\_quality

quality\_label

n

1

Strong

408

2

Marginal

42

3

Weak

36



## 8.20 Predictor: Descriptive Representation

### 8.20.1 Metric: Ratio of the share of local elected officials of a racial or ethnic group to the share of residents of the same racial or ethnic group

Variables: share\_desc\_rep\_asian\_other, share\_desc\_rep\_asian\_other\_quality, share\_desc\_rep\_black\_nonhispanic, share\_desc\_rep\_hispanic, share\_desc\_rep\_white\_nonhispanic

Disaggregation: None

---

## 8.21 Predictor: Safety from Crime

### 8.21.1 Metric: Rates of reported violent crime and property crime

Variables: rate\_violent\_crime, rate\_property\_crime, rate\_crime\_quality

Disaggregation: None

#### 8.21.1.1 Variable: rate\_violent\_crime

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

1,240.61

1,448.08

13,765.64

172

##### Data Quality

rate\_crime\_quality

quality\_label

n

1

Strong

209

2

Marginal

75

3

Weak

30

NA

NA

172

#### **8.21.1.2 Variable: rate\_property\_crime**

##### **Summary**

Min.

Median

Mean

Max.

NA's

0.00

3,434.57

3,875.26

22,171.84

172

##### **Data Quality**

rate\_crime\_quality

quality\_label

n

1

Strong

209

2

Marginal

75

3

Weak

30

NA

NA

172

---

## 8.22 Predictor: Just Policing

### 8.22.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Disaggregation: [Race](#)

### 8.22.1.1 Variable: rate\_juv\_arrest

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

1,030.99

1,386.13

11,169.73

176

#### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

199

2

Marginal

83

3

Weak

28

NA

NA

176

## 9 City Race/Ethnicity Data

year

### 9.1 State

state state\_name

### 9.2 County

county county\_name

### 9.3 Population

population

---

### 9.4 Predictor: Access to Preschool

#### 9.4.1 Metric: Share of 3- to 4-year-olds enrolled in nursery school or preschool

Variables: share\_in\_preschool, share\_in\_preschool\_quality

Years: 2021



#### 9.4.1.1 Variable: share\_in\_preschool

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.42

0.44

1.00

21887

##### Data Quality

share\_in\_preschool\_quality

quality\_label

n

1

Strong

850

2

Marginal

848

3

Weak

732

NA

NA

21870

---

## 9.5 Predictor: Effective Public Education

### 9.5.1 Metric: Average per grade change in English Language Arts achievement between third and eighth grades

**Variables:** rate\_learning, rate\_learning\_lb, rate\_learning\_ub, rate\_learning\_quality

**Years:** 2016, 2017

#### 9.5.1.1 Variable: rate\_learning

##### Summary

Min.

Median

Mean

Max.

NA's

−2.40

1.01

1.02

2.75

21214

##### Data Quality

rate\_learning\_quality

quality\_label

n

1

Strong

2308

2

Marginal

355

3

Weak

423

NA

NA

21214

---

## 9.6 Predictor: Preparation for College

### 9.6.1 Metric: Share of 19- and 20-year-olds with a high school degree

**Variables:** share\_hs\_degree, share\_hs\_degree\_quality

**Years:** 2021

#### 9.6.1.1 Variable: share\_hs\_degree

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.93

0.91

1.00

21877

## Data Quality

share\_hs\_degree\_quality

quality\_label

n

1

Strong

918

2

Marginal

901

3

Weak

611

NA

NA

21870

---

## 9.7 Predictor: Employment Opportunities

### 9.7.1 Metric: Employment-to-population ratio for adults ages 25 to 54

**Variables:** share\_employed, share\_employed\_quality

**Years:** 2021

#### 9.7.1.1 Variable: share\_employed

##### Summary

Min.

Median

Mean

Max.

NA's

0.14

0.79

0.78

1.00

21870

##### Data Quality

share\_employed\_quality

quality\_label

n

1

Strong

1095

2

Marginal

1225

3

Weak

110

NA

NA

21870

---

## 9.8 Predictor: Opportunities for Income

### 9.8.1 Metric: Household income at the 20th, 50th, and 80th percentiles

**Variables:** pctl\_income\_20, pctl\_income\_50, pctl\_income\_80, pctl\_income\_quality

**Years:** 2021

#### 9.8.1.1 Variable: pctl\_income\_20

##### Summary

Min.

Median

Mean

Max.

NA's

5,465.66

30,897.84

32,861.24

225,142.26

21870

##### Data Quality

pctl\_income\_\_quality

quality\_\_label

n

1

Strong

1098

2

Marginal

1226

3

Weak

106

NA

NA

21870

#### **9.8.1.2 Variable: pctl\_income\_50**

##### **Summary**

Min.

Median

Mean

Max.

NA's

20,117.61

72,846.14

102,650.01

10,111,888.99

21870

##### **Data Quality**

pctl\_income\_quality

quality\_label

n

1

Strong

1098

2  
Marginal  
1226  
3  
Weak  
106  
NA  
NA  
21870

### 9.8.1.3 Variable: pctl\_income\_80

#### Summary

Min.  
Median  
Mean  
Max.  
NA's  
50,549.93  
150,544.55  
779,536.24  
10,299,278.97  
21870

#### Data Quality

pctl\_income\_quality  
quality\_label  
n  
1  
Strong



1098

2

Marginal

1226

3

Weak

106

NA

NA

21870

# 10 City Race Data

year

## 10.1 State

state state\_name

## 10.2 County

county county\_name

## 10.3 Population

population

## 10.4 Predictor: Digital Access

### 10.4.1 Metric: Share of households with broadband access in the home

Variables: share\_digital\_access, share\_digital\_access\_quality

Years: 2021

#### 10.4.1.1 Variable: share\_digital\_access

##### Summary

Min.

Median

Mean

Max.

NA's

0.38

0.89

0.88

1.00

3

##### Data Quality

share\_digital\_access\_quality

quality\_label

n

1

Strong

2179

2

Marginal

207

3

Weak

41

NA

NA

3

## 10.5 Predictor: Just Policing

### 10.5.1 Metric: Rate of juvenile justice arrests

Variables: rate\_juv\_arrest, rate\_juv\_arrest\_quality

Years: 2021

#### 10.5.1.1 Variable: rate\_juv\_arrest

##### Summary

Min.

Median

Mean

Max.

NA's

0.00

689.99

1,685.17

40,625.00

882

##### Data Quality

rate\_juv\_arrest\_quality

quality\_label

n

1

Strong

993

2

Marginal

415

3

Weak

140

NA

NA

882

# 11 City Poverty Exposure Data

## 11.0.1 Metric: Share of residents experiencing poverty living in high-poverty neighborhoods

Variables: share\_poverty\_exposure, share\_poverty\_exposure\_quality

Years: 2021

### 11.0.1.1 Variable: share\_poverty\_exposure

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

0.00

0.08

1.00

4

#### Data Quality

share\_poverty\_exposure\_quality

quality\_label

n

1

Strong

1298

2

Marginal

783

3

Weak

345

NA

NA

4

# 12 City Race Share Data

## 12.0.1 Metric: Air quality index

**Variables:** index\_air\_quality, index\_air\_quality\_quality

**Years:** 2014, 2018

### 12.0.1.1 Variable: index\_air\_quality

#### Summary

Min.

Median

Mean

Max.

NA's

0.00

40.00

39.89

97.00

452

#### Data Quality

index\_air\_quality\_quality

quality\_label

n

1

Strong

2455



NA

NA

452

---

## 13 News

## 14 Contact

Contact [Aaron R. Williams](#) with questions or comments.