

# Simple Tables for Municipality Proliferation

July 18, 2023

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# 1 Urban Populations

## 1.1 GM\_hat on all covariates

|                      | 1940-1970 Pooled     | 1940-1950            | 1950-1960            | 1960-1970            | Stacked              |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| mfg_lfshare          | 0.06***<br>(0.01)    | 0.03*<br>(0.01)      | 0.01**<br>(0.00)     | 0.02*<br>(0.01)      | 0.02**<br>(0.01)     |
| blackmig3539         | 9.19***<br>(1.78)    | 3.03*<br>(1.46)      | 4.39***<br>(0.36)    | 2.09**<br>(0.68)     | 2.87***<br>(0.80)    |
| frac_land            | -0.64<br>(1.05)      | -1.63*<br>(0.80)     | -0.26<br>(0.24)      | 0.66<br>(0.38)       | -0.18<br>(0.57)      |
| transpo_cost_1920    | -0.04<br>(0.17)      | 0.03<br>(0.14)       | -0.00<br>(0.04)      | -0.03<br>(0.03)      | -0.01<br>(0.06)      |
| coastal              | -0.55<br>(0.41)      | -0.35<br>(0.34)      | -0.06<br>(0.09)      | -0.13<br>(0.08)      | -0.16<br>(0.18)      |
| avg_precip           | 0.00<br>(0.01)       | 0.01<br>(0.01)       | 0.00<br>(0.00)       | -0.00<br>(0.00)      | 0.00<br>(0.00)       |
| avg_temp             | -0.00<br>(0.01)      | -0.00<br>(0.01)      | -0.00<br>(0.00)      | 0.00<br>(0.00)       | -0.00<br>(0.00)      |
| n_wells              | -0.00<br>(0.00)      | -0.00<br>(0.00)      | -0.00<br>(0.00)      | -0.00**<br>(0.00)    | -0.00<br>(0.00)      |
| totfrac_in_main_city | 3.54*<br>(1.58)      | 2.61*<br>(1.06)      | 0.64<br>(0.33)       | 0.59<br>(0.55)       | 1.16*<br>(0.56)      |
| urbfrac_in_main_city | -1.09<br>(1.01)      | -0.74<br>(0.69)      | -0.10<br>(0.22)      | -0.28<br>(0.33)      | -0.28<br>(0.29)      |
| m_rr                 | 0.00<br>(0.00)       | -0.00<br>(0.00)      | -0.00<br>(0.00)      | 0.00***<br>(0.00)    | -0.00<br>(0.00)      |
| m_rr_sqm2            | 5144.97<br>(4564.03) | 4382.25<br>(3076.98) | 2012.91*<br>(908.14) | -743.36<br>(1320.28) | 1225.44<br>(2164.82) |
| reg2                 | 0.65<br>(0.39)       | 0.35<br>(0.32)       | 0.07<br>(0.11)       | 0.22<br>(0.13)       | 0.28*<br>(0.13)      |
| reg3                 | 1.06<br>(1.47)       | 0.30<br>(1.00)       | 0.16<br>(0.24)       | 0.23<br>(0.66)       | 0.49<br>(0.47)       |
| reg4                 | -0.54<br>(0.71)      | -1.44*<br>(0.62)     | -0.19<br>(0.17)      | 0.61***<br>(0.16)    | -0.21<br>(0.42)      |
| 1940.decade          |                      |                      |                      |                      | 0.00<br>(.)          |
| 1950.decade          |                      |                      |                      |                      | 0.11<br>(0.14)       |
| 1960.decade          |                      |                      |                      |                      | -0.15<br>(0.15)      |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

## 1.2 Balance Table

|                                | 1940-1970 Pooled       | 1940-1950              | 1950-1960              | 1960-1970              | Stacked                 |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| mfg_lfshare on GM_hat          | 0.56<br>(0.65)         | 1.60<br>(1.19)         | 0.39<br>(1.97)         | 1.34<br>(1.59)         | 1.15<br>(0.81)          |
| blackmig3539 on GM_hat         | 0.06***<br>(0.01)      | 0.07*<br>(0.03)        | 0.18***<br>(0.01)      | 0.14***<br>(0.02)      | 0.08***<br>(0.02)       |
| frac_land on GM_hat            | 0.04<br>(0.02)         | 0.06<br>(0.03)         | 0.16*<br>(0.08)        | 0.16*<br>(0.08)        | 0.08**<br>(0.03)        |
| transpo_cost_1920 on GM_hat    | -0.08*<br>(0.03)       | -0.14<br>(0.08)        | -0.27*<br>(0.11)       | -0.24*<br>(0.12)       | -0.15**<br>(0.05)       |
| coastal on GM_hat              | 0.03*<br>(0.01)        | 0.02<br>(0.03)         | 0.11*<br>(0.05)        | 0.11<br>(0.06)         | 0.05<br>(0.03)          |
| avg_precip on GM_hat           | 0.55<br>(0.54)         | 1.14<br>(0.98)         | 2.73<br>(1.86)         | -0.06<br>(1.75)        | 0.97<br>(0.78)          |
| avg_temp on GM_hat             | -1.27<br>(1.24)        | -1.15<br>(2.67)        | -2.54<br>(3.46)        | -6.19<br>(5.06)        | -2.05<br>(2.17)         |
| n_wells on GM_hat              | -12.20<br>(7.01)       | -20.12<br>(13.21)      | -18.36<br>(19.05)      | -71.76<br>(42.38)      | -24.48*<br>(11.77)      |
| totfrac_in_main_city on GM_hat | 0.06**<br>(0.02)       | 0.08**<br>(0.03)       | 0.18**<br>(0.07)       | 0.19**<br>(0.07)       | 0.10***<br>(0.03)       |
| urbfrac_in_main_city on GM_hat | 0.02<br>(0.02)         | 0.03<br>(0.02)         | 0.09<br>(0.05)         | 0.05<br>(0.05)         | 0.04*<br>(0.02)         |
| m_rr on GM_hat                 | 1.2e+05*<br>(52356.24) | 83064.97<br>(99869.56) | 3.1e+05<br>(1.8e+05)   | 7.7e+05**<br>(2.7e+05) | 2.2e+05<br>(1.3e+05)    |
| m_rr_sqm2 on GM_hat            | 0.00<br>(0.00)         | 0.00<br>(0.00)         | 0.00<br>(0.00)         | 0.00<br>(0.00)         | 0.00*<br>(0.00)         |
| popc1940 on GM_hat             | 5.3e+05*<br>(2.1e+05)  | 6.6e+05*<br>(3.0e+05)  | 1.8e+06*<br>(7.0e+05)  | 2.0e+06**<br>(7.5e+05) | 9.6e+05***<br>(2.7e+05) |
| pop1940 on GM_hat              | 5.9e+05**<br>(2.2e+05) | 7.1e+05*<br>(3.1e+05)  | 1.9e+06**<br>(7.1e+05) | 2.3e+06**<br>(7.9e+05) | 1.1e+06***<br>(3.0e+05) |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

Table 1: Northeast Region

|                                | 1940-1970 Pooled        | 1940-1950              | 1950-1960               | 1960-1970               | Stacked                 |
|--------------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| mfg_lfshare on GM_hat          | -3.79**<br>(1.32)       | -11.32*<br>(4.61)      | -9.49**<br>(3.39)       | -17.52***<br>(3.92)     | -11.57***<br>(2.38)     |
| blackmig3539 on GM_hat         | 0.07***<br>(0.00)       | 0.22***<br>(0.01)      | 0.16***<br>(0.00)       | 0.25***<br>(0.02)       | 0.20***<br>(0.01)       |
| frac_land on GM_hat            | 0.26**<br>(0.08)        | 0.76**<br>(0.29)       | 0.63**<br>(0.21)        | 1.19***<br>(0.22)       | 0.77***<br>(0.15)       |
| transpo_cost_1920 on GM_hat    | -0.28*<br>(0.14)        | -1.01*<br>(0.44)       | -0.74*<br>(0.35)        | -0.96<br>(0.56)         | -0.86***<br>(0.25)      |
| coastal on GM_hat              | 0.16<br>(0.09)          | 0.46<br>(0.30)         | 0.40<br>(0.23)          | 0.63*<br>(0.29)         | 0.46**<br>(0.16)        |
| avg_precip on GM_hat           | 6.13***<br>(1.41)       | 17.68**<br>(5.83)      | 15.31***<br>(4.00)      | 26.61***<br>(4.92)      | 18.18***<br>(2.82)      |
| avg_temp on GM_hat             | -1.16<br>(1.29)         | -3.04<br>(4.21)        | -2.52<br>(3.32)         | -7.99<br>(4.58)         | -3.72<br>(2.28)         |
| n_wells on GM_hat              | -5.50<br>(5.88)         | -17.57<br>(19.28)      | -17.30<br>(17.43)       | -10.10<br>(14.92)       | -16.00<br>(10.77)       |
| totfrac_in_main_city on GM_hat | 0.25***<br>(0.05)       | 0.76***<br>(0.19)      | 0.59***<br>(0.14)       | 1.12***<br>(0.13)       | 0.74***<br>(0.10)       |
| urbfrac_in_main_city on GM_hat | 0.21***<br>(0.03)       | 0.68***<br>(0.10)      | 0.50***<br>(0.09)       | 0.90***<br>(0.09)       | 0.63***<br>(0.06)       |
| m_rr on GM_hat                 | -1.2e+05<br>(1.9e+05)   | -2.5e+05<br>(6.6e+05)  | -2.5e+05<br>(4.9e+05)   | -7.3e+05<br>(6.5e+05)   | -3.4e+05<br>(3.4e+05)   |
| m_rr_sqm2 on GM_hat            | 0.00*<br>(0.00)         | 0.00<br>(0.00)         | 0.00*<br>(0.00)         | 0.00*<br>(0.00)         | 0.00***<br>(0.00)       |
| popc1940 on GM_hat             | 2.5e+06***<br>(6.9e+05) | 7.3e+06**<br>(2.5e+06) | 6.0e+06***<br>(1.8e+06) | 1.1e+07***<br>(2.0e+06) | 7.4e+06***<br>(1.3e+06) |
| pop1940 on GM_hat              | 2.6e+06***<br>(6.7e+05) | 7.7e+06**<br>(2.4e+06) | 6.3e+06***<br>(1.7e+06) | 1.1e+07***<br>(2.0e+06) | 7.7e+06***<br>(1.3e+06) |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

Table 2: Midwest Region

|                                | 1940-1970 Pooled        | 1940-1950              | 1950-1960              | 1960-1970              | Stacked                  |
|--------------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------------|
| mfg_lfshare on GM_hat          | 2.12**<br>(0.67)        | 5.19***<br>(1.48)      | 6.14**<br>(1.94)       | 3.29*<br>(1.61)        | 4.92***<br>(1.00)        |
| blackmig3539 on GM_hat         | 0.04***<br>(0.00)       | 0.10***<br>(0.01)      | 0.16***<br>(0.01)      | 0.10***<br>(0.03)      | 0.11***<br>(0.01)        |
| frac_land on GM_hat            | 0.02<br>(0.01)          | 0.03<br>(0.02)         | 0.05<br>(0.03)         | 0.08<br>(0.06)         | 0.05*<br>(0.02)          |
| transpo_cost_1920 on GM_hat    | -0.07<br>(0.03)         | -0.13<br>(0.08)        | -0.24*<br>(0.10)       | -0.22*<br>(0.11)       | -0.18**<br>(0.06)        |
| coastal on GM_hat              | 0.00<br>(.)             | 0.00<br>(.)            | 0.00<br>(.)            | 0.00<br>(.)            | 0.00<br>(.)              |
| avg_precip on GM_hat           | -0.41<br>(0.30)         | -0.89<br>(0.88)        | -0.67<br>(1.31)        | -1.82**<br>(0.68)      | -1.08<br>(0.57)          |
| avg_temp on GM_hat             | -1.21<br>(1.78)         | -3.50<br>(4.16)        | -1.78<br>(5.63)        | -2.37<br>(5.00)        | -2.79<br>(2.80)          |
| n_wells on GM_hat              | -17.11<br>(9.86)        | -34.35<br>(21.92)      | -25.42<br>(31.45)      | -98.27<br>(57.31)      | -49.17*<br>(20.10)       |
| totfrac_in_main_city on GM_hat | 0.03**<br>(0.01)        | 0.07**<br>(0.02)       | 0.11**<br>(0.03)       | 0.12*<br>(0.05)        | 0.09***<br>(0.02)        |
| urbfrac_in_main_city on GM_hat | -0.00<br>(0.01)         | -0.01<br>(0.02)        | -0.01<br>(0.03)        | -0.01<br>(0.03)        | -0.01<br>(0.01)          |
| m_rr on GM_hat                 | 1.6e+05**<br>(52537.69) | 3.1e+05**<br>(1.1e+05) | 4.5e+05**<br>(1.6e+05) | 6.5e+05**<br>(2.2e+05) | 4.4e+05***<br>(91164.67) |
| m_rr_sqm2 on GM_hat            | 0.00<br>(0.00)          | 0.00<br>(0.00)         | 0.00<br>(0.00)         | 0.00<br>(0.00)         | 0.00*<br>(0.00)          |
| popc1940 on GM_hat             | 2.8e+05*<br>(1.4e+05)   | 5.7e+05*<br>(2.6e+05)  | 7.9e+05*<br>(3.7e+05)  | 1.1e+06<br>(5.9e+05)   | 7.7e+05***<br>(2.3e+05)  |
| pop1940 on GM_hat              | 3.5e+05*<br>(1.5e+05)   | 7.1e+05*<br>(3.0e+05)  | 9.9e+05*<br>(4.3e+05)  | 1.3e+06*<br>(6.7e+05)  | 9.4e+05***<br>(2.6e+05)  |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

|                                | 1940-1970 Pooled         | 1940-1950                 | 1950-1960                 | 1960-1970              | Stacked                   |
|--------------------------------|--------------------------|---------------------------|---------------------------|------------------------|---------------------------|
| mfg_lfshare on GM_hat          | -2.20***<br>(0.57)       | -5.18***<br>(0.87)        | -7.01***<br>(1.48)        | -14.16*<br>(6.98)      | -6.30***<br>(0.84)        |
| blackmig3539 on GM_hat         | 0.10***<br>(0.01)        | 0.23***<br>(0.00)         | 0.25***<br>(0.02)         | 0.58**<br>(0.18)       | 0.25***<br>(0.02)         |
| frac_land on GM_hat            | -0.00<br>(0.00)          | -0.01<br>(0.00)           | -0.01<br>(0.01)           | -0.00<br>(0.02)        | -0.01<br>(0.00)           |
| transpo_cost_1920 on GM_hat    | 0.04<br>(0.02)           | 0.09*<br>(0.04)           | 0.12<br>(0.07)            | 0.38<br>(0.28)         | 0.12**<br>(0.04)          |
| coastal on GM_hat              | 0.02<br>(0.02)           | 0.04<br>(0.04)            | 0.06<br>(0.05)            | 0.25<br>(0.17)         | 0.05<br>(0.03)            |
| avg_precip on GM_hat           | 0.41**<br>(0.16)         | 0.99***<br>(0.26)         | 1.24**<br>(0.48)          | 1.50<br>(2.71)         | 1.11***<br>(0.25)         |
| avg_temp on GM_hat             | 0.12<br>(0.09)           | 0.29<br>(0.17)            | 0.36<br>(0.25)            | 0.58<br>(0.97)         | 0.33*<br>(0.13)           |
| n_wells on GM_hat              | -0.01<br>(0.01)          | -0.01<br>(0.02)           | -0.02<br>(0.03)           | -0.15<br>(0.15)        | -0.02<br>(0.02)           |
| totfrac_in_main_city on GM_hat | -0.00<br>(0.01)          | -0.02<br>(0.02)           | -0.02<br>(0.04)           | 0.02<br>(0.09)         | -0.01<br>(0.02)           |
| urbfrac_in_main_city on GM_hat | -0.00**<br>(0.00)        | -0.01***<br>(0.00)        | -0.01**<br>(0.01)         | -0.02<br>(0.02)        | -0.01***<br>(0.00)        |
| m_rr on GM_hat                 | 29528.74***<br>(7387.55) | 63683.14***<br>(17878.10) | 87360.07***<br>(20271.72) | 2.0e+05*<br>(83358.26) | 79450.57***<br>(15296.42) |
| m_rr_sqm2 on GM_hat            | -0.00***<br>(0.00)       | -0.00***<br>(0.00)        | -0.00***<br>(0.00)        | -0.00<br>(0.00)        | -0.00***<br>(0.00)        |
| popc1940 on GM_hat             | 16477.11<br>(29942.99)   | 21370.26<br>(64403.16)    | 42451.17<br>(87999.73)    | 2.7e+05<br>(1.6e+05)   | 41527.36<br>(48977.60)    |
| pop1940 on GM_hat              | -5.0e+04<br>(56168.71)   | -1.4e+05<br>(1.1e+05)     | -1.6e+05<br>(1.7e+05)     | -6.9e+04<br>(4.3e+05)  | -1.4e+05<br>(83095.75)    |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

### 1.3 Regressions Robust to Balance Table Covariates

Table 3: Outcome variable cgoodman

|                              | Basic controls             |                   |                    |                    |                   | Robust controls            |                   |                   |                   |                 |
|------------------------------|----------------------------|-------------------|--------------------|--------------------|-------------------|----------------------------|-------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950  | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | 3.04***<br>(0.31)          | 3.24***<br>(0.52) | 10.28***<br>(0.86) | 13.38***<br>(1.56) | 4.88***<br>(0.92) | 3.03***<br>(0.46)          | 1.49***<br>(0.31) | 9.05***<br>(2.02) | 5.93***<br>(2.14) | 0.66<br>(0.70)  |
| F-Stat                       | 96.39                      | 39.29             | 143.5              | 73.59999999999999  | 28.25             | 44.36                      | 23.05             | 20.18             | 7.69              | .89             |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_raw_pp                    | 0.02**<br>(0.01)           | 0.02***<br>(0.01) | 0.01*<br>(0.00)    | 0.00<br>(0.00)     | 0.01***<br>(0.00) | 0.02**<br>(0.01)           | 0.00<br>(0.01)    | 0.01<br>(0.01)    | 0.00<br>(0.01)    | 0.00<br>(0.00)  |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | 0.09**<br>(0.04)           | 0.07***<br>(0.03) | 0.09<br>(0.06)     | 0.06<br>(0.05)     | 0.06***<br>(0.02) | 0.14***<br>(0.05)          | 0.04<br>(0.03)    | 0.18<br>(0.16)    | 0.15**<br>(0.07)  | 0.03<br>(0.02)  |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_raw_pp                    | 0.03**<br>(0.01)           | 0.02***<br>(0.01) | 0.01<br>(0.01)     | 0.00<br>(0.00)     | 0.01***<br>(0.00) | 0.05**<br>(0.02)           | 0.03<br>(0.02)    | 0.02<br>(0.02)    | 0.03**<br>(0.01)  | 0.04<br>(0.05)  |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 4: Outcome variable cgoodman Northeast Region

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                  |                   |                  |                 |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|------------------|-------------------|------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970 | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | 4.36***<br>(1.04)          | 12.06***<br>(2.79) | 12.55***<br>(3.33) | 23.77***<br>(7.23) | 14.55***<br>(2.41) | 6.22*<br>(3.02)            | -2.15<br>(3.32)  | 15.52**<br>(6.06) | 12.29<br>(13.76) | -3.81<br>(3.79) |
| F-Stat                       | 17.45                      | 18.72              | 14.22              | 10.81              | 36.52              | 4.25                       | .42              | 6.55              | .8               | 1.01            |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | -0.01<br>(0.01)            | 0.00<br>(0.00)     | -0.00<br>(0.00)    | -0.00<br>(0.00)    | -0.00<br>(0.00)    | -0.00<br>(0.03)            | -0.02<br>(0.03)  | -0.01<br>(0.02)   | -0.00<br>(0.02)  | -0.01<br>(0.01) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | -0.05<br>(0.06)            | 0.03<br>(0.04)     | -0.03<br>(0.07)    | -0.23*<br>(0.13)   | -0.05<br>(0.05)    | 0.08<br>(0.99)             | 0.42<br>(0.34)   | 0.21<br>(1.10)    | 0.97<br>(1.00)   | -0.08<br>(0.15) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | -0.01<br>(0.01)            | 0.00<br>(0.00)     | -0.00<br>(0.01)    | -0.01<br>(0.01)    | -0.00<br>(0.00)    | 0.01<br>(0.12)             | -0.20<br>(0.25)  | 0.01<br>(0.05)    | 0.08<br>(0.06)   | 0.02<br>(0.05)  |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 5: Outcome variable cgoodman Midwest Region

|                              | Basic controls          |                   |                   |                    |                   | Robust controls         |                  |                  |                   |                 |
|------------------------------|-------------------------|-------------------|-------------------|--------------------|-------------------|-------------------------|------------------|------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 3.11***<br>(0.38)       | 3.87***<br>(0.43) | 9.96***<br>(0.89) | 12.64***<br>(1.53) | 7.42***<br>(0.77) | 2.17***<br>(0.39)       | 1.27**<br>(0.60) | 4.50<br>(2.89)   | 4.36***<br>(0.91) | 1.24<br>(1.09)  |
| F-Stat                       | 67.15000000000001       | 80.84999999999999 | 125.65            | 68.41              | 93.12             | 30.41                   | 4.57             | 2.43             | 23.15             | 1.3             |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel B: OLS</b>          |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 0.05***<br>(0.01)       | 0.03***<br>(0.01) | 0.02**<br>(0.01)  | 0.01**<br>(0.00)   | 0.01***<br>(0.00) | 0.03<br>(0.03)          | 0.04**<br>(0.02) | 0.01<br>(0.02)   | 0.01<br>(0.01)    | 0.01<br>(0.01)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 0.16***<br>(0.05)       | 0.14***<br>(0.04) | 0.17*<br>(0.09)   | 0.14***<br>(0.05)  | 0.15***<br>(0.03) | 0.14<br>(0.10)          | 0.06<br>(0.07)   | 0.01<br>(0.29)   | 0.20**<br>(0.08)  | 0.07<br>(0.06)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 0.05***<br>(0.02)       | 0.04***<br>(0.01) | 0.02*<br>(0.01)   | 0.01**<br>(0.00)   | 0.02***<br>(0.00) | 0.07*<br>(0.04)         | 0.05<br>(0.05)   | 0.00<br>(0.06)   | 0.05**<br>(0.02)  | 0.05<br>(0.05)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 6: Outcome variable cgoodman West Region

|                              | Basic controls          |                  |                  |                  |                   | Robust controls         |                  |                  |                  |                 |
|------------------------------|-------------------------|------------------|------------------|------------------|-------------------|-------------------------|------------------|------------------|------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950 | (3)<br>1950-1960 | (4)<br>1960-1970 | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970 | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                  |                  |                  |                   |                         |                  |                  |                  |                 |
| GM_hat_raw_pp                | 0.51<br>(1.72)          | -0.74<br>(0.45)  | 9.14*<br>(4.64)  | 4.82*<br>(2.44)  | 0.16<br>(0.52)    | 0.79<br>(0.78)          | 0.47<br>(0.70)   | -7.57<br>(8.69)  | 1.17<br>(6.73)   | -0.42<br>(0.42) |
| F-Stat                       | .09                     | 2.67             | 3.88             | 3.9              | .09               | 1.04                    | .46              | .76              | .03              | 1.01            |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00           |
| <b>Panel B: OLS</b>          |                         |                  |                  |                  |                   |                         |                  |                  |                  |                 |
| GM_raw_pp                    | 0.06**<br>(0.02)        | 0.04**<br>(0.02) | 0.02**<br>(0.01) | 0.01<br>(0.01)   | 0.02***<br>(0.01) | 0.07<br>(0.05)          | 0.06**<br>(0.02) | 0.02<br>(0.02)   | 0.01<br>(0.01)   | 0.01*<br>(0.01) |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00           |
| <b>Panel C: Reduced Form</b> |                         |                  |                  |                  |                   |                         |                  |                  |                  |                 |
| GM_hat_raw_pp                | 0.13<br>(0.10)          | -0.02<br>(0.03)  | 0.32<br>(0.25)   | 0.01<br>(0.07)   | -0.01<br>(0.03)   | 0.01<br>(0.14)          | 0.10<br>(0.11)   | -0.07<br>(0.79)  | -0.43<br>(0.30)  | -0.05<br>(0.03) |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00           |
| <b>Panel D: 2SLS</b>         |                         |                  |                  |                  |                   |                         |                  |                  |                  |                 |
| GM_raw_pp                    | 0.26<br>(0.71)          | 0.03<br>(0.03)   | 0.03<br>(0.03)   | 0.00<br>(0.01)   | -0.09<br>(0.36)   | 0.02<br>(0.14)          | 0.21<br>(0.25)   | 0.01<br>(0.08)   | -0.37<br>(1.86)  | 0.11<br>(0.11)  |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 7: Outcome variable schdist\_ind

|                              | Basic controls             |                   |                    |                    |                   | Robust controls            |                   |                   |                   |                    |
|------------------------------|----------------------------|-------------------|--------------------|--------------------|-------------------|----------------------------|-------------------|-------------------|-------------------|--------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950  | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked    |
| <b>Panel A: First Stage</b>  |                            |                   |                    |                    |                   |                            |                   |                   |                   |                    |
| GM_hat_raw_pp                | 3.04***<br>(0.31)          | 3.24***<br>(0.52) | 10.28***<br>(0.86) | 13.38***<br>(1.56) | 4.88***<br>(0.92) | 3.03***<br>(0.46)          | 1.49***<br>(0.31) | 9.05***<br>(2.02) | 5.93***<br>(2.14) | 0.66<br>(0.70)     |
| F-Stat                       | 96.39                      | 39.29             | 143.5              | 73.59999999999999  | 28.25             | 44.36                      | 23.05             | 20.18             | 7.69              | .89                |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00             |
| <b>Panel B: OLS</b>          |                            |                   |                    |                    |                   |                            |                   |                   |                   |                    |
| GM_raw_pp                    | 1.22***<br>(0.23)          | 0.79***<br>(0.23) | 0.51***<br>(0.13)  | 0.16***<br>(0.04)  | 0.33***<br>(0.05) | 0.71***<br>(0.24)          | -0.04<br>(0.39)   | 0.23<br>(0.16)    | 0.12**<br>(0.06)  | -0.21***<br>(0.07) |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00             |
| <b>Panel C: Reduced Form</b> |                            |                   |                    |                    |                   |                            |                   |                   |                   |                    |
| GM_hat_raw_pp                | 4.56***<br>(0.97)          | 3.36***<br>(0.96) | 6.19***<br>(1.29)  | 2.29***<br>(0.59)  | 3.08***<br>(0.64) | 3.55***<br>(1.16)          | 1.64**<br>(0.80)  | 6.42***<br>(1.59) | 0.20<br>(0.77)    | 0.39<br>(0.42)     |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00             |
| <b>Panel D: 2SLS</b>         |                            |                   |                    |                    |                   |                            |                   |                   |                   |                    |
| GM_raw_pp                    | 1.50***<br>(0.30)          | 1.04***<br>(0.31) | 0.60***<br>(0.12)  | 0.17***<br>(0.04)  | 0.63***<br>(0.11) | 1.17***<br>(0.35)          | 1.11**<br>(0.56)  | 0.71***<br>(0.20) | 0.03<br>(0.12)    | 0.59<br>(0.89)     |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00             |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 8: Outcome variable schdist\_ind Northeast Region

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                  |                   |                  |                 |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|------------------|-------------------|------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970 | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | 4.36***<br>(1.04)          | 12.06***<br>(2.79) | 12.55***<br>(3.33) | 23.77***<br>(7.23) | 14.55***<br>(2.41) | 6.22*<br>(3.02)            | -2.15<br>(3.32)  | 15.52**<br>(6.06) | 12.29<br>(13.76) | -3.81<br>(3.79) |
| F-Stat                       | 17.45                      | 18.72              | 14.22              | 10.81              | 36.52              | 4.25                       | .42              | 6.55              | .8               | 1.01            |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | 0.34<br>(0.24)             | 0.31*<br>(0.18)    | 0.09<br>(0.05)     | 0.06<br>(0.04)     | 0.10**<br>(0.04)   | -0.62<br>(0.87)            | -1.65<br>(2.53)  | -0.57<br>(0.63)   | 0.04<br>(0.13)   | -0.12<br>(0.15) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | 2.69*<br>(1.48)            | 4.98*<br>(2.89)    | 1.84*<br>(1.05)    | 2.30<br>(1.36)     | 2.88***<br>(1.06)  | 11.12<br>(22.52)           | 10.15<br>(14.36) | 19.45<br>(32.11)  | -0.12<br>(7.67)  | 4.95*<br>(2.72) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | 0.62<br>(0.39)             | 0.41*<br>(0.24)    | 0.15<br>(0.09)     | 0.10<br>(0.07)     | 0.20***<br>(0.08)  | 1.79<br>(2.83)             | -4.73<br>(6.39)  | 1.25<br>(1.73)    | -0.01<br>(0.48)  | -1.30<br>(1.50) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 9: Outcome variable schdist\_ind Midwest Region

|                              | Basic controls          |                   |                    |                    |                   | Robust controls         |                  |                  |                   |                 |
|------------------------------|-------------------------|-------------------|--------------------|--------------------|-------------------|-------------------------|------------------|------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                    |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 3.11***<br>(0.38)       | 3.87***<br>(0.43) | 9.96***<br>(0.89)  | 12.64***<br>(1.53) | 7.42***<br>(0.77) | 2.17***<br>(0.39)       | 1.27**<br>(0.60) | 4.50<br>(2.89)   | 4.36***<br>(0.91) | 1.24<br>(1.09)  |
| F-Stat                       | 67.15000000000001       | 80.84999999999999 | 125.65             | 68.41              | 93.12             | 30.41                   | 4.57             | 2.43             | 23.15             | 1.3             |
| Observations                 | 73.00                   | 73.00             | 73.00              | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel B: OLS</b>          |                         |                   |                    |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 1.80***<br>(0.37)       | 1.43***<br>(0.43) | 1.00***<br>(0.20)  | 0.27***<br>(0.06)  | 0.61***<br>(0.10) | -0.45<br>(0.64)         | 0.29<br>(0.83)   | 0.45<br>(0.46)   | 0.01<br>(0.11)    | -0.21<br>(0.15) |
| Observations                 | 73.00                   | 73.00             | 73.00              | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                    |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 6.18***<br>(1.45)       | 5.98***<br>(1.70) | 10.00***<br>(1.98) | 2.58***<br>(0.78)  | 6.07***<br>(1.06) | -1.19<br>(2.18)         | -1.53<br>(2.47)  | 0.45<br>(3.89)   | -1.38<br>(1.19)   | 0.06<br>(1.33)  |
| Observations                 | 73.00                   | 73.00             | 73.00              | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                    |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 1.98***<br>(0.44)       | 1.55***<br>(0.47) | 1.00***<br>(0.20)  | 0.20***<br>(0.05)  | 0.82***<br>(0.15) | -0.55<br>(0.95)         | -1.20<br>(1.92)  | 0.10<br>(0.82)   | -0.32<br>(0.30)   | 0.05<br>(1.04)  |
| Observations                 | 73.00                   | 73.00             | 73.00              | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 10: Outcome variable schdist\_ind West Region

|                              | Basic controls          |                  |                  |                  |                   | Robust controls         |                  |                   |                   |                  |
|------------------------------|-------------------------|------------------|------------------|------------------|-------------------|-------------------------|------------------|-------------------|-------------------|------------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950 | (3)<br>1950-1960 | (4)<br>1960-1970 | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked  |
| <b>Panel A: First Stage</b>  |                         |                  |                  |                  |                   |                         |                  |                   |                   |                  |
| GM_hat_raw_pp                | 0.51<br>(1.72)          | -0.74<br>(0.45)  | 9.14*<br>(4.64)  | 4.82*<br>(2.44)  | 0.16<br>(0.52)    | 0.79<br>(0.78)          | 0.47<br>(0.70)   | -7.57<br>(8.69)   | 1.17<br>(6.73)    | -0.42<br>(0.42)  |
| F-Stat                       | .09                     | 2.67             | 3.88             | 3.9              | .09               | 1.04                    | .46              | .76               | .03               | 1.01             |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00             | 23.00             | 69.00            |
| <b>Panel B: OLS</b>          |                         |                  |                  |                  |                   |                         |                  |                   |                   |                  |
| GM_raw_pp                    | 1.06**<br>(0.44)        | 1.30**<br>(0.56) | 0.44**<br>(0.18) | 0.09*<br>(0.05)  | 0.35***<br>(0.12) | 0.95<br>(1.01)          | 1.81**<br>(0.65) | 0.36<br>(0.57)    | 0.06<br>(0.10)    | 0.27**<br>(0.12) |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00             | 23.00             | 69.00            |
| <b>Panel C: Reduced Form</b> |                         |                  |                  |                  |                   |                         |                  |                   |                   |                  |
| GM_hat_raw_pp                | 1.45<br>(2.13)          | -0.84<br>(1.10)  | 5.69*<br>(3.21)  | 0.67<br>(0.44)   | -0.53<br>(0.86)   | -3.70<br>(2.13)         | 2.47<br>(1.84)   | -16.94<br>(11.81) | -4.98**<br>(2.04) | -1.11<br>(0.86)  |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00             | 23.00             | 69.00            |
| <b>Panel D: 2SLS</b>         |                         |                  |                  |                  |                   |                         |                  |                   |                   |                  |
| GM_raw_pp                    | 2.86<br>(7.61)          | 1.14<br>(1.02)   | 0.62<br>(0.38)   | 0.14<br>(0.11)   | -3.39<br>(13.16)  | -4.69<br>(5.00)         | 5.21<br>(6.22)   | 2.24<br>(2.47)    | -4.27<br>(19.93)  | 2.64<br>(2.97)   |
| Observations                 | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00             | 23.00             | 69.00            |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 11: Outcome variable gen\_subcounty

|                              | Basic controls             |                   |                    |                    |                   | Robust controls            |                   |                   |                   |                 |
|------------------------------|----------------------------|-------------------|--------------------|--------------------|-------------------|----------------------------|-------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950  | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | 3.04***<br>(0.31)          | 3.24***<br>(0.52) | 10.28***<br>(0.86) | 13.38***<br>(1.56) | 4.88***<br>(0.92) | 3.03***<br>(0.46)          | 1.49***<br>(0.31) | 9.05***<br>(2.02) | 5.93***<br>(2.14) | 0.66<br>(0.70)  |
| F-Stat                       | 96.39                      | 39.29             | 143.5              | 73.59999999999999  | 28.25             | 44.36                      | 23.05             | 20.18             | 7.69              | .89             |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_raw_pp                    | 0.08***<br>(0.02)          | 0.05***<br>(0.02) | 0.03***<br>(0.01)  | 0.01<br>(0.01)     | 0.02***<br>(0.00) | 0.08***<br>(0.02)          | 0.01<br>(0.03)    | 0.03**<br>(0.01)  | 0.01<br>(0.01)    | -0.00<br>(0.01) |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | 0.32***<br>(0.09)          | 0.25***<br>(0.08) | 0.33***<br>(0.12)  | 0.20**<br>(0.10)   | 0.20***<br>(0.05) | 0.40***<br>(0.11)          | 0.16*<br>(0.08)   | 0.51*<br>(0.30)   | 0.40**<br>(0.20)  | 0.05<br>(0.05)  |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                            |                   |                    |                    |                   |                            |                   |                   |                   |                 |
| GM_raw_pp                    | 0.11***<br>(0.03)          | 0.08***<br>(0.02) | 0.03***<br>(0.01)  | 0.02*<br>(0.01)    | 0.04***<br>(0.01) | 0.13***<br>(0.04)          | 0.11*<br>(0.06)   | 0.06*<br>(0.03)   | 0.07***<br>(0.03) | 0.07<br>(0.10)  |
| Observations                 | 130.00                     | 130.00            | 130.00             | 130.00             | 390.00            | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 12: Outcome variable gen\_subcounty Northeast Region

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                  |                   |                  |                  |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|------------------|-------------------|------------------|------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970 | (10)<br>Stacked  |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                  |                   |                  |                  |
| GM_hat_raw_pp                | 4.36***<br>(1.04)          | 12.06***<br>(2.79) | 12.55***<br>(3.33) | 23.77***<br>(7.23) | 14.55***<br>(2.41) | 6.22*<br>(3.02)            | -2.15<br>(3.32)  | 15.52**<br>(6.06) | 12.29<br>(13.76) | -3.81<br>(3.79)  |
| F-Stat                       | 17.45                      | 18.72              | 14.22              | 10.81              | 36.52              | 4.25                       | .42              | 6.55              | .8               | 1.01             |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00            |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                  |                   |                  |                  |
| GM_raw_pp                    | -0.02<br>(0.02)            | 0.01<br>(0.01)     | 0.00<br>(0.01)     | -0.01<br>(0.01)    | -0.01<br>(0.01)    | 0.01<br>(0.09)             | -0.10<br>(0.09)  | 0.01<br>(0.06)    | 0.03<br>(0.04)   | -0.03*<br>(0.02) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00            |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                  |                   |                  |                  |
| GM_hat_raw_pp                | -0.07<br>(0.12)            | 0.26<br>(0.17)     | -0.02<br>(0.15)    | -0.61*<br>(0.31)   | -0.05<br>(0.12)    | -1.67<br>(2.86)            | -0.35<br>(1.01)  | -3.60<br>(4.85)   | 3.32<br>(3.25)   | -0.16<br>(0.45)  |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00            |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                  |                   |                  |                  |
| GM_raw_pp                    | -0.02<br>(0.03)            | 0.02<br>(0.01)     | -0.00<br>(0.01)    | -0.03<br>(0.02)    | -0.00<br>(0.01)    | -0.27<br>(0.37)            | 0.16<br>(0.49)   | -0.23<br>(0.27)   | 0.27<br>(0.20)   | 0.04<br>(0.12)   |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00            |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 13: Outcome variable gen\_subcounty Midwest Region

|                              | Basic controls          |                   |                   |                    |                   | Robust controls         |                  |                  |                   |                 |
|------------------------------|-------------------------|-------------------|-------------------|--------------------|-------------------|-------------------------|------------------|------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970   | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 3.11***<br>(0.38)       | 3.87***<br>(0.43) | 9.96***<br>(0.89) | 12.64***<br>(1.53) | 7.42***<br>(0.77) | 2.17***<br>(0.39)       | 1.27**<br>(0.60) | 4.50<br>(2.89)   | 4.36***<br>(0.91) | 1.24<br>(1.09)  |
| F-Stat                       | 67.15000000000001       | 80.84999999999999 | 125.65            | 68.41              | 93.12             | 30.41                   | 4.57             | 2.43             | 23.15             | 1.3             |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel B: OLS</b>          |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 0.15***<br>(0.03)       | 0.11***<br>(0.03) | 0.06***<br>(0.02) | 0.03***<br>(0.01)  | 0.05***<br>(0.01) | 0.06<br>(0.07)          | 0.13**<br>(0.06) | 0.04<br>(0.04)   | 0.01<br>(0.03)    | 0.01<br>(0.02)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 0.51***<br>(0.12)       | 0.47***<br>(0.12) | 0.57***<br>(0.19) | 0.37***<br>(0.11)  | 0.47***<br>(0.08) | 0.31<br>(0.22)          | 0.20<br>(0.24)   | 0.17<br>(0.69)   | 0.37*<br>(0.21)   | 0.16<br>(0.16)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                   |                    |                   |                         |                  |                  |                   |                 |
| GM_raw_pp                    | 0.16***<br>(0.04)       | 0.12***<br>(0.03) | 0.06***<br>(0.02) | 0.03***<br>(0.01)  | 0.06***<br>(0.01) | 0.14<br>(0.10)          | 0.16<br>(0.16)   | 0.04<br>(0.14)   | 0.09*<br>(0.05)   | 0.13<br>(0.15)  |
| Observations                 | 73.00                   | 73.00             | 73.00             | 73.00              | 219.00            | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 14: Outcome variable gen\_subcounty West Region

|                              | Basic controls          |                  |                   |                  |                   | Robust controls         |                  |                  |                  |                   |
|------------------------------|-------------------------|------------------|-------------------|------------------|-------------------|-------------------------|------------------|------------------|------------------|-------------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950 | (3)<br>1950-1960  | (4)<br>1960-1970 | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970 | (10)<br>Stacked   |
| <b>Panel A: First Stage</b>  |                         |                  |                   |                  |                   |                         |                  |                  |                  |                   |
| GM_hat_raw_pp                | 0.51<br>(1.72)          | -0.74<br>(0.45)  | 9.14*<br>(4.64)   | 4.82*<br>(2.44)  | 0.16<br>(0.52)    | 0.79<br>(0.78)          | 0.47<br>(0.70)   | -7.57<br>(8.69)  | 1.17<br>(6.73)   | -0.42<br>(0.42)   |
| F-Stat                       | .09                     | 2.67             | 3.88              | 3.9              | .09               | 1.04                    | .46              | .76              | .03              | 1.01              |
| Observations                 | 23.00                   | 23.00            | 23.00             | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             |
| <b>Panel B: OLS</b>          |                         |                  |                   |                  |                   |                         |                  |                  |                  |                   |
| GM_raw_pp                    | 0.08**<br>(0.03)        | 0.06**<br>(0.02) | 0.03***<br>(0.01) | 0.02<br>(0.01)   | 0.03***<br>(0.01) | 0.10<br>(0.08)          | 0.08**<br>(0.03) | 0.04<br>(0.03)   | 0.04<br>(0.05)   | 0.02**<br>(0.01)  |
| Observations                 | 23.00                   | 23.00            | 23.00             | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             |
| <b>Panel C: Reduced Form</b> |                         |                  |                   |                  |                   |                         |                  |                  |                  |                   |
| GM_hat_raw_pp                | 0.14<br>(0.13)          | -0.05<br>(0.04)  | 0.48<br>(0.29)    | 0.10<br>(0.12)   | -0.02<br>(0.03)   | -0.03<br>(0.16)         | 0.06<br>(0.11)   | 0.09<br>(0.93)   | -0.45<br>(0.38)  | -0.07**<br>(0.03) |
| Observations                 | 23.00                   | 23.00            | 23.00             | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             |
| <b>Panel D: 2SLS</b>         |                         |                  |                   |                  |                   |                         |                  |                  |                  |                   |
| GM_raw_pp                    | 0.28<br>(0.74)          | 0.07*<br>(0.04)  | 0.05<br>(0.03)    | 0.02<br>(0.02)   | -0.14<br>(0.56)   | -0.03<br>(0.19)         | 0.13<br>(0.20)   | -0.01<br>(0.09)  | -0.38<br>(1.91)  | 0.16<br>(0.16)    |
| Observations                 | 23.00                   | 23.00            | 23.00             | 23.00            | 69.00             | 23.00                   | 23.00            | 23.00            | 23.00            | 69.00             |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 15: Outcome variable spdist

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                   |                   |                   |                 |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|-------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950  | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | 3.04***<br>(0.31)          | 3.24***<br>(0.52)  | 10.28***<br>(0.86) | 13.38***<br>(1.56) | 4.88***<br>(0.92)  | 3.03***<br>(0.46)          | 1.49***<br>(0.31) | 9.05***<br>(2.02) | 5.93***<br>(2.14) | 0.66<br>(0.70)  |
| F-Stat                       | 96.39                      | 39.29              | 143.5              | 73.59999999999999  | 28.25              | 44.36                      | 23.05             | 20.18             | 7.69              | .89             |
| Observations                 | 130.00                     | 130.00             | 130.00             | 130.00             | 390.00             | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                   |                   |                   |                 |
| GM_raw_pp                    | -0.09***<br>(0.02)         | -0.06***<br>(0.01) | -0.01<br>(0.02)    | -0.02***<br>(0.01) | -0.02***<br>(0.01) | -0.05<br>(0.03)            | -0.02<br>(0.03)   | 0.01<br>(0.03)    | -0.03<br>(0.02)   | 0.01<br>(0.01)  |
| Observations                 | 130.00                     | 130.00             | 130.00             | 130.00             | 390.00             | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                   |                   |                   |                 |
| GM_hat_raw_pp                | -0.26***<br>(0.10)         | -0.10<br>(0.09)    | -0.21<br>(0.21)    | -0.22<br>(0.14)    | -0.13*<br>(0.07)   | -0.01<br>(0.12)            | 0.07<br>(0.08)    | 0.26<br>(0.34)    | 0.07<br>(0.14)    | 0.09<br>(0.07)  |
| Observations                 | 130.00                     | 130.00             | 130.00             | 130.00             | 390.00             | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                   |                   |                   |                 |
| GM_raw_pp                    | -0.09***<br>(0.03)         | -0.03<br>(0.02)    | -0.02<br>(0.02)    | -0.02*<br>(0.01)   | -0.03**<br>(0.01)  | -0.00<br>(0.04)            | 0.05<br>(0.06)    | 0.03<br>(0.04)    | 0.01<br>(0.02)    | 0.13<br>(0.15)  |
| Observations                 | 130.00                     | 130.00             | 130.00             | 130.00             | 390.00             | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 16: Outcome variable spdist Northeast Region

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                  |                   |                  |                 |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|------------------|-------------------|------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970 | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | 4.36***<br>(1.04)          | 12.06***<br>(2.79) | 12.55***<br>(3.33) | 23.77***<br>(7.23) | 14.55***<br>(2.41) | 6.22*<br>(3.02)            | -2.15<br>(3.32)  | 15.52**<br>(6.06) | 12.29<br>(13.76) | -3.81<br>(3.79) |
| F-Stat                       | 17.45                      | 18.72              | 14.22              | 10.81              | 36.52              | 4.25                       | .42              | 6.55              | .8               | 1.01            |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | -0.13*<br>(0.07)           | -0.06***<br>(0.02) | 0.01<br>(0.03)     | -0.02*<br>(0.01)   | -0.02<br>(0.01)    | 0.10<br>(0.15)             | 0.01<br>(0.11)   | 0.16<br>(0.17)    | 0.03<br>(0.05)   | 0.04<br>(0.04)  |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_hat_raw_pp                | -0.76*<br>(0.42)           | -1.08***<br>(0.23) | -0.35<br>(0.85)    | -1.11***<br>(0.40) | -0.72*<br>(0.43)   | -0.97<br>(2.92)            | -0.58<br>(0.96)  | 0.65<br>(7.22)    | 3.82<br>(2.40)   | -0.06<br>(1.18) |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                  |                   |                  |                 |
| GM_raw_pp                    | -0.17<br>(0.12)            | -0.09***<br>(0.02) | -0.03<br>(0.07)    | -0.05*<br>(0.03)   | -0.05<br>(0.03)    | -0.16<br>(0.36)            | 0.27<br>(0.37)   | 0.04<br>(0.35)    | 0.31<br>(0.20)   | 0.01<br>(0.28)  |
| Observations                 | 29.00                      | 29.00              | 29.00              | 29.00              | 87.00              | 29.00                      | 29.00            | 29.00             | 29.00            | 87.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 17: Outcome variable spdist Midwest Region

|                              | Basic controls          |                    |                   |                    |                    | Robust controls         |                  |                  |                   |                 |
|------------------------------|-------------------------|--------------------|-------------------|--------------------|--------------------|-------------------------|------------------|------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950   | (3)<br>1950-1960  | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                    |                   |                    |                    |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | 3.11***<br>(0.38)       | 3.87***<br>(0.43)  | 9.96***<br>(0.89) | 12.64***<br>(1.53) | 7.42***<br>(0.77)  | 2.17***<br>(0.39)       | 1.27**<br>(0.60) | 4.50<br>(2.89)   | 4.36***<br>(0.91) | 1.24<br>(1.09)  |
| F-Stat                       | 67.15000000000001       | 80.84999999999999  | 125.65            | 68.41              | 93.12              | 30.41                   | 4.57             | 2.43             | 23.15             | 1.3             |
| Observations                 | 73.00                   | 73.00              | 73.00             | 73.00              | 219.00             | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel B: OLS</b>          |                         |                    |                   |                    |                    |                         |                  |                  |                   |                 |
| GM_raw_pp                    | -0.05***<br>(0.02)      | -0.05**<br>(0.02)  | -0.02<br>(0.01)   | -0.01*<br>(0.01)   | -0.02***<br>(0.01) | 0.02<br>(0.04)          | 0.01<br>(0.04)   | 0.00<br>(0.04)   | -0.00<br>(0.02)   | 0.00<br>(0.01)  |
| Observations                 | 73.00                   | 73.00              | 73.00             | 73.00              | 219.00             | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel C: Reduced Form</b> |                         |                    |                   |                    |                    |                         |                  |                  |                   |                 |
| GM_hat_raw_pp                | -0.16**<br>(0.08)       | -0.23***<br>(0.07) | -0.14<br>(0.14)   | -0.01<br>(0.08)    | -0.16***<br>(0.06) | -0.01<br>(0.12)         | -0.05<br>(0.13)  | 0.45<br>(0.52)   | 0.27**<br>(0.13)  | -0.02<br>(0.09) |
| Observations                 | 73.00                   | 73.00              | 73.00             | 73.00              | 219.00             | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |
| <b>Panel D: 2SLS</b>         |                         |                    |                   |                    |                    |                         |                  |                  |                   |                 |
| GM_raw_pp                    | -0.05**<br>(0.02)       | -0.06***<br>(0.02) | -0.01<br>(0.01)   | -0.00<br>(0.01)    | -0.02**<br>(0.01)  | -0.00<br>(0.05)         | -0.04<br>(0.09)  | 0.10<br>(0.16)   | 0.06*<br>(0.04)   | -0.02<br>(0.08) |
| Observations                 | 73.00                   | 73.00              | 73.00             | 73.00              | 219.00             | 73.00                   | 73.00            | 73.00            | 73.00             | 219.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

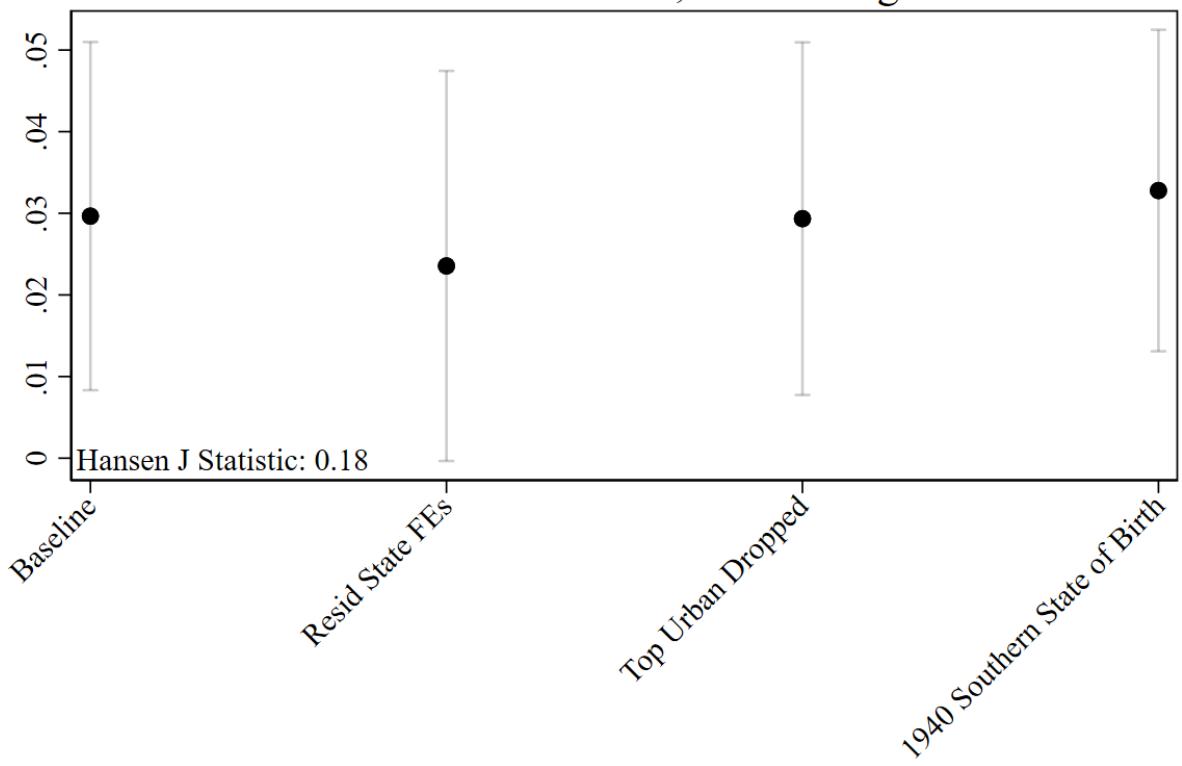
Table 18: Outcome variable spdist West Region

|                              | Basic controls          |                   |                  |                  |                  | Robust controls         |                  |                  |                   |                  |
|------------------------------|-------------------------|-------------------|------------------|------------------|------------------|-------------------------|------------------|------------------|-------------------|------------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960 | (4)<br>1960-1970 | (5)<br>Stacked   | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960 | (9)<br>1960-1970  | (10)<br>Stacked  |
| <b>Panel A: First Stage</b>  |                         |                   |                  |                  |                  |                         |                  |                  |                   |                  |
| GM_hat_raw_pp                | 0.51<br>(1.72)          | -0.74<br>(0.45)   | 9.14*<br>(4.64)  | 4.82*<br>(2.44)  | 0.16<br>(0.52)   | 0.79<br>(0.78)          | 0.47<br>(0.70)   | -7.57<br>(8.69)  | 1.17<br>(6.73)    | -0.42<br>(0.42)  |
| F-Stat                       | .09                     | 2.67              | 3.88             | 3.9              | .09              | 1.04                    | .46              | .76              | .03               | 1.01             |
| Observations                 | 23.00                   | 23.00             | 23.00            | 23.00            | 69.00            | 23.00                   | 23.00            | 23.00            | 23.00             | 69.00            |
| <b>Panel B: OLS</b>          |                         |                   |                  |                  |                  |                         |                  |                  |                   |                  |
| GM_raw_pp                    | -0.08<br>(0.06)         | -0.16**<br>(0.07) | -0.05<br>(0.06)  | -0.02<br>(0.03)  | -0.05*<br>(0.03) | 0.14<br>(0.18)          | -0.11<br>(0.10)  | 0.03<br>(0.11)   | 0.01<br>(0.07)    | -0.06*<br>(0.04) |
| Observations                 | 23.00                   | 23.00             | 23.00            | 23.00            | 69.00            | 23.00                   | 23.00            | 23.00            | 23.00             | 69.00            |
| <b>Panel C: Reduced Form</b> |                         |                   |                  |                  |                  |                         |                  |                  |                   |                  |
| GM_hat_raw_pp                | 0.06<br>(0.46)          | 0.45***<br>(0.13) | -0.96<br>(1.20)  | -0.20<br>(0.30)  | 0.34**<br>(0.13) | 0.22<br>(0.69)          | 0.13<br>(0.28)   | 2.36<br>(2.83)   | -2.94**<br>(1.01) | 0.32**<br>(0.14) |
| Observations                 | 23.00                   | 23.00             | 23.00            | 23.00            | 69.00            | 23.00                   | 23.00            | 23.00            | 23.00             | 69.00            |
| <b>Panel D: 2SLS</b>         |                         |                   |                  |                  |                  |                         |                  |                  |                   |                  |
| GM_raw_pp                    | 0.12<br>(1.00)          | -0.60<br>(0.38)   | -0.10<br>(0.12)  | -0.04<br>(0.06)  | 2.14<br>(7.24)   | 0.27<br>(0.60)          | 0.28<br>(0.66)   | -0.31<br>(0.42)  | -2.52<br>(12.51)  | -0.77<br>(0.75)  |
| Observations                 | 23.00                   | 23.00             | 23.00            | 23.00            | 69.00            | 23.00                   | 23.00            | 23.00            | 23.00             | 69.00            |

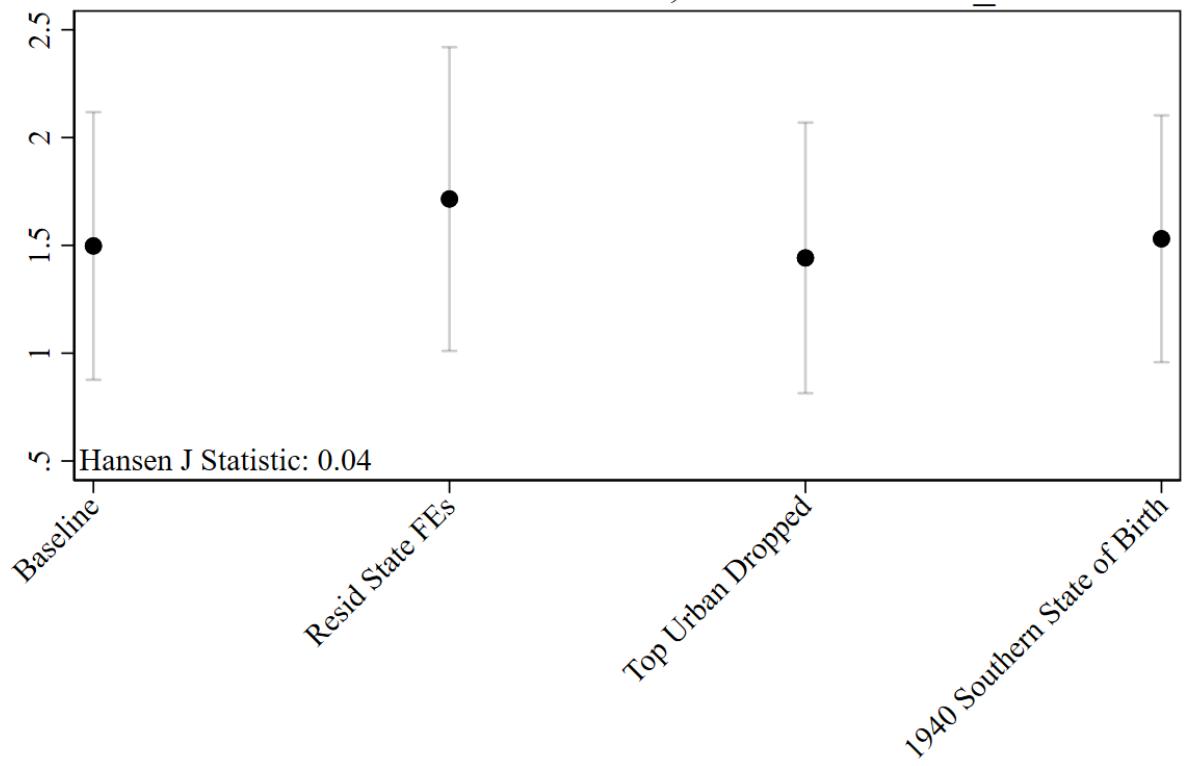
Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

## 1.4 Alternative Instrument Figures

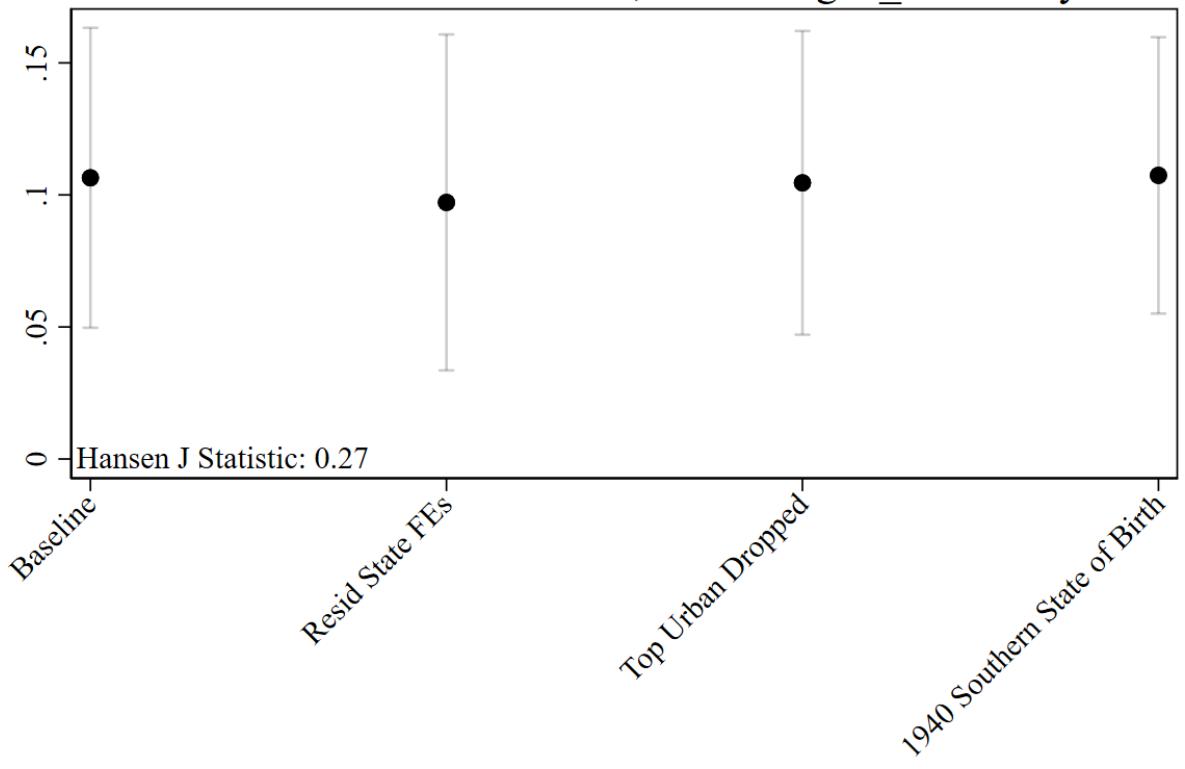
Alternative instrument test, outcome cgoodman



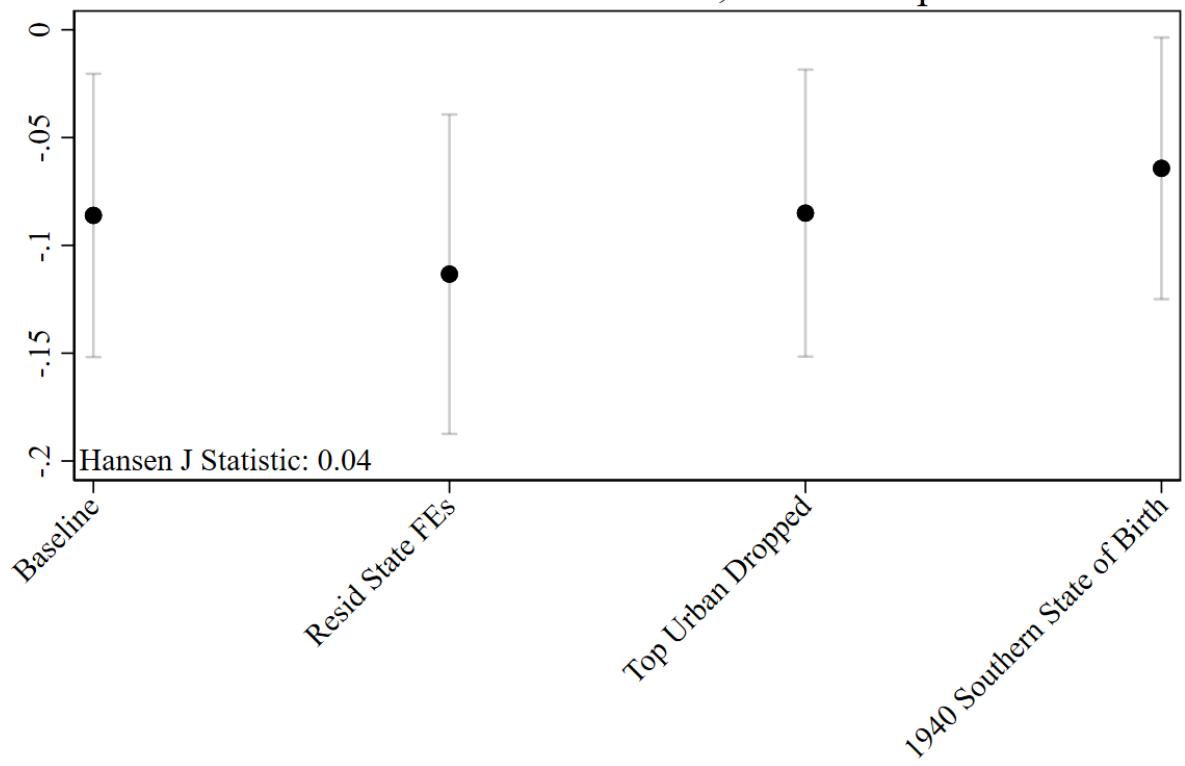
### Alternative instrument test, outcome schdist\_ind



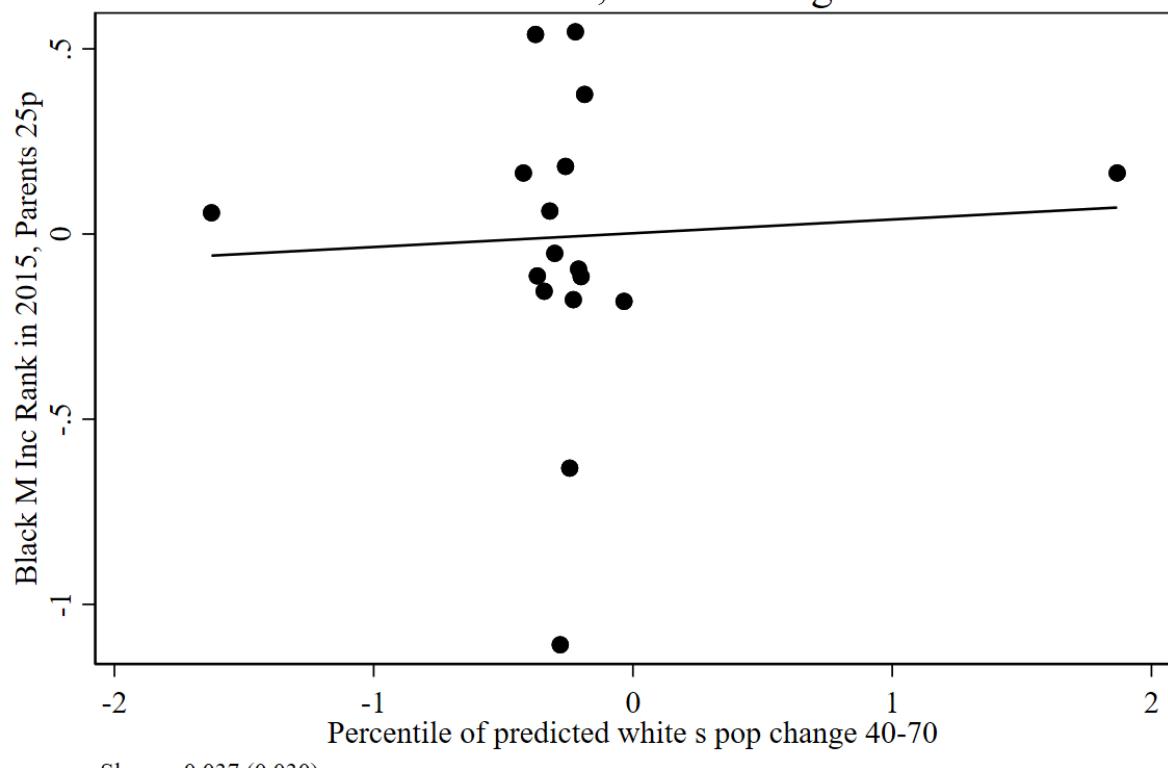
### Alternative instrument test, outcome gen\_subcounty



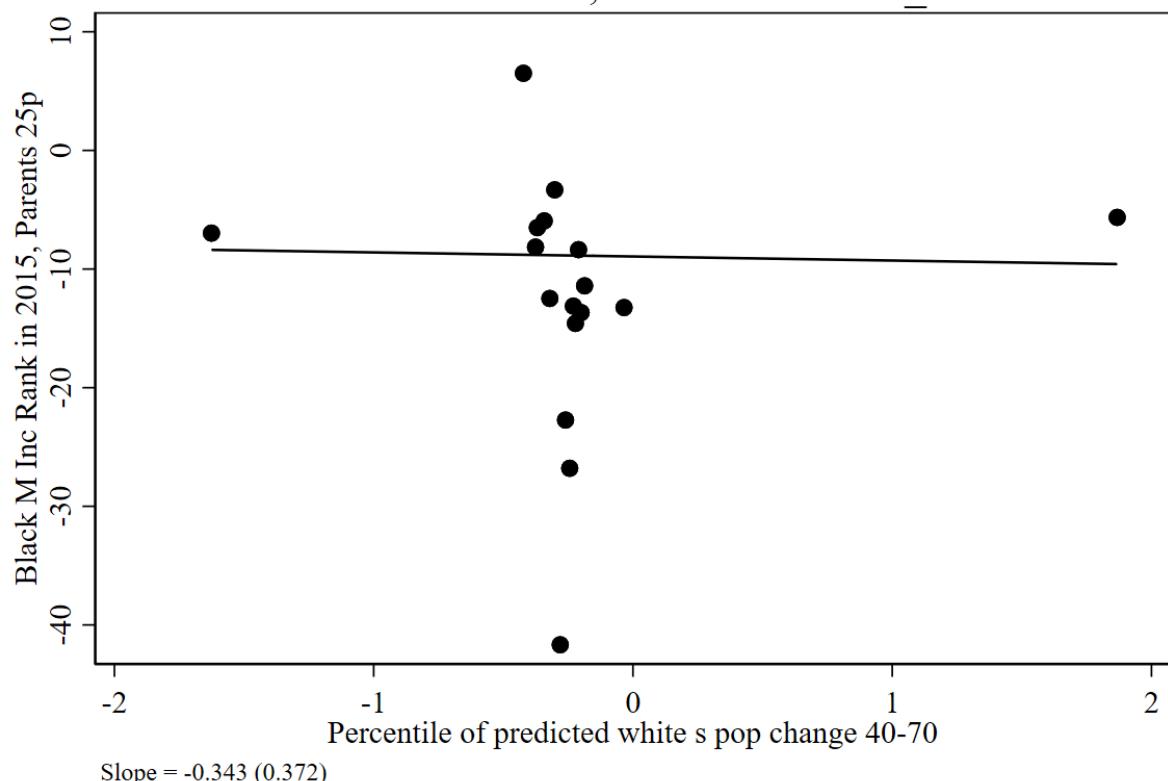
### Alternative instrument test, outcome spdist



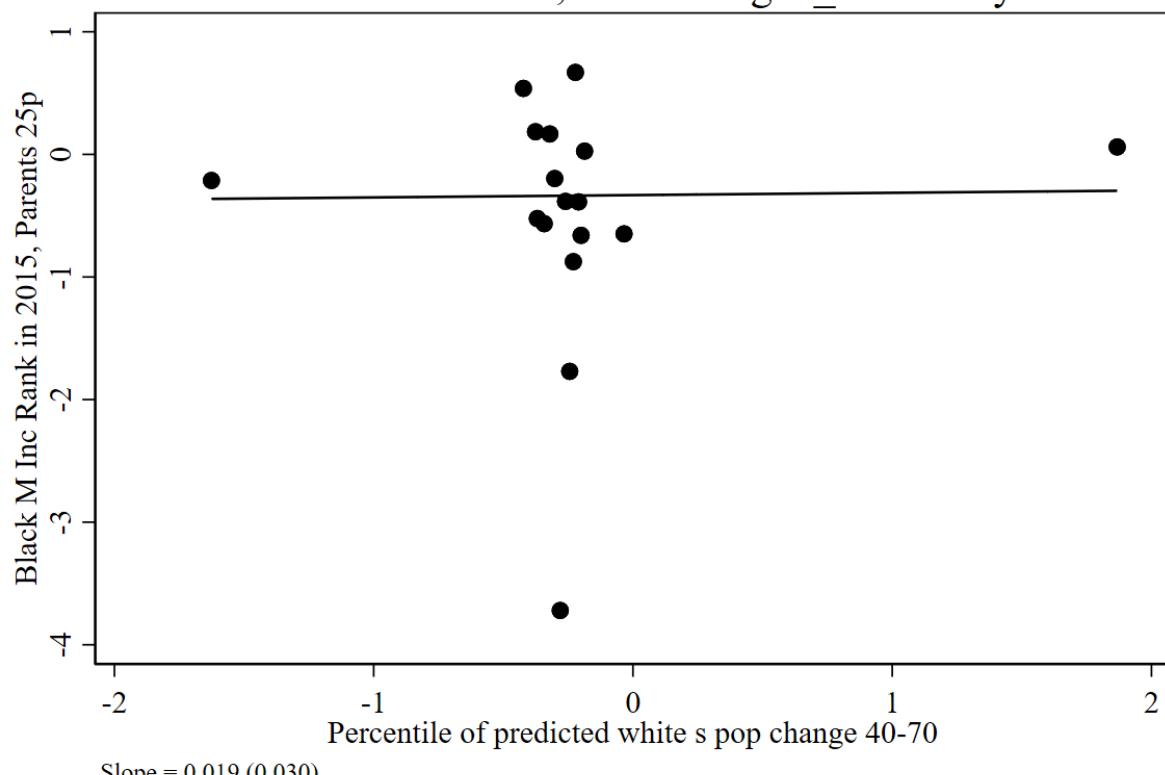
White instrument, outcome: cgoodman



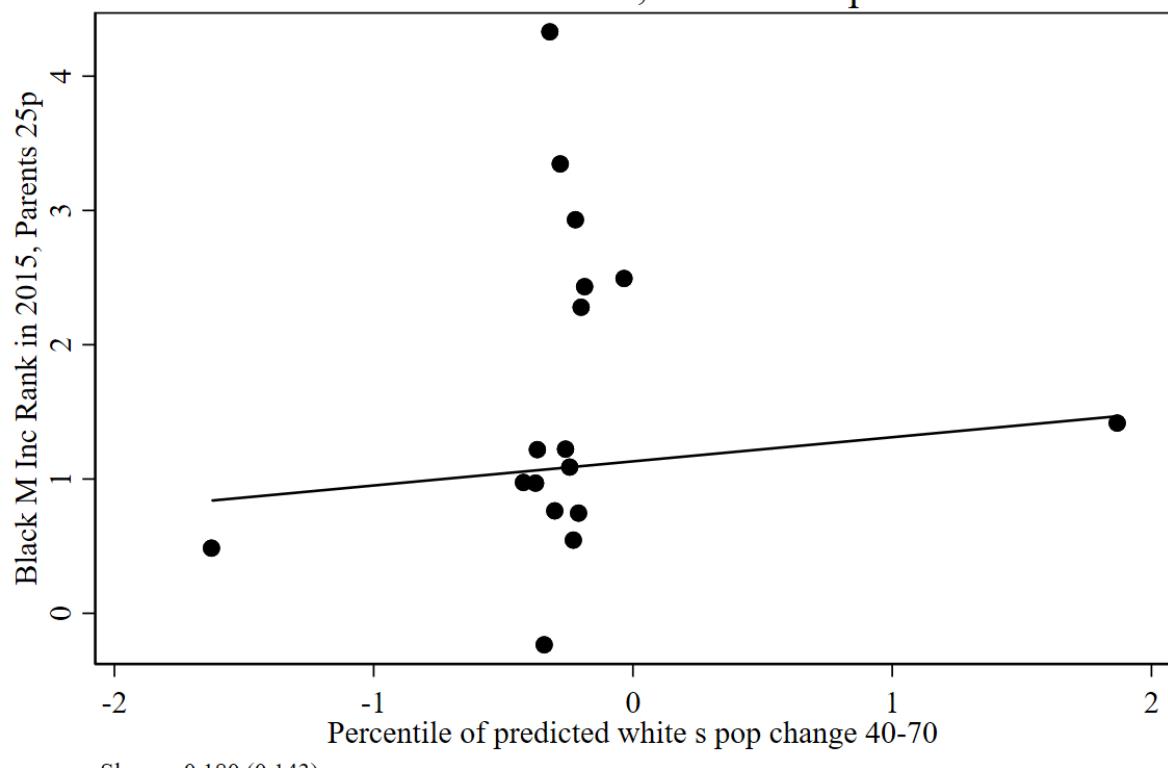
White instrument, outcome: schdist\_ind



White instrument, outcome: gen\_subcounty



White instrument, outcome: spdist



## 1.5 Baseline Instrument

Table 19: Outcome: cgoodman, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|-----------------------|----------------------|----------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                       | 0.0903**<br>(0.0402) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0235**<br>(0.00904) |                      | 0.0297**<br>(0.0133) |
| F-Stat  | 96.38800000000001   |                       |                      |                      |
| Observations                                      | 130                 | 130                   | 130                  | 130                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 20: Outcome: schdist.ind, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                     | 4.559***<br>(0.972) |                     |
| Percentage Point Change in Urban Black Population |                     | 1.223***<br>(0.232) |                     | 1.497***<br>(0.297) |
| F-Stat  | 96.38800000000001   |                     |                     |                     |
| Observations                                      | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 21: Outcome: gen\_subcounty, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|-----------------------|----------------------|----------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                       | 0.324***<br>(0.0902) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0850***<br>(0.0219) |                      | 0.106***<br>(0.0289) |
| F-Stat  | 96.38800000000001   |                       |                      |                      |
| Observations                                      | 130                 | 130                   | 130                  | 130                  |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 22: Outcome: spdist, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)   | 2SLS<br>(4)            |
|---|---------------------|------------------------|-----------------------|------------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                        | -0.262***<br>(0.0973) |                        |
| Percentage Point Change in Urban Black Population |                     | -0.0861***<br>(0.0236) |                       | -0.0861***<br>(0.0314) |
| F-Stat  | 96.38800000000001   |                        |                       |                        |
| Observations                                      | 130                 | 130                    | 130                   | 130                    |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.6 Baseline Instrument, Total Population Outcome

Table 23: Outcome: cgoodman, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|-----------------------|---------------------|-----------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                       | -0.0173<br>(0.0274) |                       |
| Percentage Point Change in Urban Black Population |                     | -0.00166<br>(0.00473) |                     | -0.00568<br>(0.00894) |
| F-Stat  | 96.38800000000001   |                       |                     |                       |
| Observations                                      | 130                 | 130                   | 130                 | 130                   |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 24: Outcome: schdist\_ind, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|----------------------|---------------------|----------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                      | 1.430***<br>(0.299) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.351***<br>(0.0697) |                     | 0.470***<br>(0.0921) |
| F-Stat  | 96.38800000000001   |                      |                     |                      |
| Observations                                      | 130                 | 130                  | 130                 | 130                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 25: Outcome: gen\_subcounty, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|-----------------------|---------------------|---------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                       | 0.0686*<br>(0.0410) |                     |
| Percentage Point Change in Urban Black Population |                     | 0.0188**<br>(0.00829) |                     | 0.0225*<br>(0.0129) |
| F-Stat  | 96.38800000000001   |                       |                     |                     |
| Observations                                      | 130                 | 130                   | 130                 | 130                 |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 26: Outcome: spdist, Baseline Instrument

|   | First Stage<br>(1)  | OLS<br>(2)              | Reduced Form<br>(3)   | 2SLS<br>(4)             |
|---|---------------------|-------------------------|-----------------------|-------------------------|
| Baseline Instrument                               | 3.044***<br>(0.310) |                         | -0.110***<br>(0.0270) |                         |
| Percentage Point Change in Urban Black Population |                     | -0.0330***<br>(0.00784) |                       | -0.0360***<br>(0.00919) |
| F-Stat  | 96.38800000000001   |                         |                       |                         |
| Observations                                      | 130                 | 130                     | 130                   | 130                     |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.7 Resid State FEs Instrument

Table 27: Outcome: cgoodman, Resid State FE Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|-----------------------|---------------------|--------------------|
| Resid State FE Instrument                         | 3.264***<br>(0.434) |                       | 0.0762<br>(0.0493)  |                    |
| Percentage Point Change in Urban Black Population |                     | 0.0235**<br>(0.00904) |                     | 0.0234<br>(0.0148) |
| F-Stat  | 56.532              |                       |                     |                    |
| Observations                                      | 130                 | 130                   | 130                 | 130                |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 28: Outcome: schdist.ind, Resid State FE Instrument

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Resid State FE Instrument                         | 3.264***<br>(0.434) |                     | 5.579***<br>(1.146) |                     |
| Percentage Point Change in Urban Black Population |                     | 1.223***<br>(0.232) |                     | 1.709***<br>(0.381) |
| F-Stat  | 56.532              |                     |                     |                     |
| Observations                                      | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 29: Outcome: gen\_subcounty, Resid State FE Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|-----------------------|---------------------|-----------------------|
| Resid State FE Instrument                         | 3.264***<br>(0.434) |                       | 0.315***<br>(0.105) |                       |
| Percentage Point Change in Urban Black Population |                     | 0.0850***<br>(0.0219) |                     | 0.0967***<br>(0.0313) |
| F-Stat  | 56.532              |                       |                     |                       |
| Observations                                      | 130                 | 130                   | 130                 | 130                   |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 30: Outcome: spdist, Resid State FE Instrument

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)  | 2SLS<br>(4)           |
|---|---------------------|------------------------|----------------------|-----------------------|
| Resid State FE Instrument                         | 3.264***<br>(0.434) |                        | -0.369***<br>(0.125) |                       |
| Percentage Point Change in Urban Black Population |                     | -0.0861***<br>(0.0236) |                      | -0.113***<br>(0.0397) |
| F-Stat  | 56.532              |                        |                      |                       |
| Observations                                      | 130                 | 130                    | 130                  | 130                   |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.8 Top Urban Dropped Instrument

Table 31: Outcome: cgoodman, Top Urban Dropped Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|-----------------------|----------------------|----------------------|
| Top Urban Dropped Instrument                      | 3.268***<br>(0.349) |                       | 0.0959**<br>(0.0433) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0235**<br>(0.00904) |                      | 0.0293**<br>(0.0135) |
| F-Stat  | 87.68300000000001   |                       |                      |                      |
| Observations                                      | 130                 | 130                   | 130                  | 130                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 32: Outcome: schdist\_ind, Top Urban Dropped Instrument

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Top Urban Dropped Instrument                      | 3.268***<br>(0.349) |                     | 4.713***<br>(1.022) |                     |
| Percentage Point Change in Urban Black Population |                     | 1.223***<br>(0.232) |                     | 1.442***<br>(0.287) |
| F-Stat  | 87.68300000000001   |                     |                     |                     |
| Observations                                      | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 33: Outcome: gen\_subcounty, Top Urban Dropped Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|-----------------------|----------------------|----------------------|
| Top Urban Dropped Instrument                      | 3.268***<br>(0.349) |                       | 0.342***<br>(0.0954) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0850***<br>(0.0219) |                      | 0.105***<br>(0.0287) |
| F-Stat  | 87.68300000000001   |                       |                      |                      |
| Observations                                      | 130                 | 130                   | 130                  | 130                  |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 34: Outcome: spdist, Top Urban Dropped Instrument

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)  | 2SLS<br>(4)            |
|---|---------------------|------------------------|----------------------|------------------------|
| Top Urban Dropped Instrument                      | 3.268***<br>(0.349) |                        | -0.278***<br>(0.106) |                        |
| Percentage Point Change in Urban Black Population |                     | -0.0861***<br>(0.0236) |                      | -0.0850***<br>(0.0312) |
| F-Stat  | 87.68300000000001   |                        |                      |                        |
| Observations                                      | 130                 | 130                    | 130                  | 130                    |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.9 1940 Southern State of Birth Instrument

Table 35: Outcome: cgoodman, 1940 Southern State of Birth Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|-----------------------|---------------------|----------------------|
| 1940 Southern State of Birth Instrument           | 9.738***<br>(0.998) |                       | 0.319***<br>(0.116) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0235**<br>(0.00904) |                     | 0.0328**<br>(0.0130) |
| F-Stat  | 95.146              |                       |                     |                      |
| Observations                                      | 130                 | 130                   | 130                 | 130                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 36: Outcome: schdist\_ind, 1940 Southern State of Birth Instrument

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| 1940 Southern State of Birth Instrument           | 9.738***<br>(0.998) |                     | 14.91***<br>(3.367) |                     |
| Percentage Point Change in Urban Black Population |                     | 1.223***<br>(0.232) |                     | 1.531***<br>(0.295) |
| F-Stat  | 95.146              |                     |                     |                     |
| Observations                                      | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 37: Outcome: gen\_subcounty, 1940 Southern State of Birth Instrument

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|-----------------------|---------------------|----------------------|
| 1940 Southern State of Birth Instrument           | 9.738***<br>(0.998) |                       | 1.046***<br>(0.272) |                      |
| Percentage Point Change in Urban Black Population |                     | 0.0850***<br>(0.0219) |                     | 0.107***<br>(0.0286) |
| F-Stat  | 95.146              |                       |                     |                      |
| Observations                                      | 130                 | 130                   | 130                 | 130                  |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 38: Outcome: spdist, 1940 Southern State of Birth Instrument

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|------------------------|---------------------|-----------------------|
| 1940 Southern State of Birth Instrument           | 9.738***<br>(0.998) |                        | -0.626**<br>(0.280) |                       |
| Percentage Point Change in Urban Black Population |                     | -0.0861***<br>(0.0236) |                     | -0.0643**<br>(0.0261) |
| F-Stat  | 95.146              |                        |                     |                       |
| Observations                                      | 130                 | 130                    | 130                 | 130                   |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.10 European Migrant Instrument as Control

Table 39: Outcome: cgoodman, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|------------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 2.280***<br>(0.442) |                        | 0.0880*<br>(0.0454) |                     |
| Percentage Point Change in Urban Black Population           |                     | 0.0239***<br>(0.00855) |                     | 0.0386*<br>(0.0206) |
| F-Stat  | 26.582              |                        |                     |                     |
| Observations  | 130                 | 130                    | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 40: Outcome: schdist\_ind, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 2.280***<br>(0.442) |                     | 2.848***<br>(1.064) |                     |
| Percentage Point Change in Urban Black Population           |                     | 0.838***<br>(0.234) |                     | 1.249***<br>(0.451) |
| F-Stat  | 26.582              |                     |                     |                     |
| Observations  | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 41: Outcome: gen\_subcounty, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|-----------------------|---------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 2.280***<br>(0.442) |                       | 0.280***<br>(0.105) |                      |
| Percentage Point Change in Urban Black Population           |                     | 0.0769***<br>(0.0215) |                     | 0.123***<br>(0.0468) |
| F-Stat  | 26.582              |                       |                     |                      |
| Observations  | 130                 | 130                   | 130                 | 130                  |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 42: Outcome: spdist, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|----------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 2.280***<br>(0.442) |                      | -0.0730<br>(0.102)  |                     |
| Percentage Point Change in Urban Black Population           |                     | -0.0525*<br>(0.0268) |                     | -0.0320<br>(0.0429) |
| F-Stat  | 26.582              |                      |                     |                     |
| Observations  | 130                 | 130                  | 130                 | 130                 |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.11 Southern White Migration Instrument as Control

Table 43: Outcome: cgoodman, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|------------------------|----------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 3.126***<br>(0.355) |                        | 0.116***<br>(0.0434) |                      |
| Percentage Point Change in Urban Black Population           |                     | 0.0265***<br>(0.00951) |                      | 0.0370**<br>(0.0146) |
| F-Stat  | 77.42400000000001   |                        |                      |                      |
| Observations  | 130                 | 130                    | 130                  | 130                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 44: Outcome: schdist\_ind, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 3.126***<br>(0.355) |                     | 5.322***<br>(1.088) |                     |
| Percentage Point Change in Urban Black Population           |                     | 1.300***<br>(0.248) |                     | 1.702***<br>(0.341) |
| F-Stat  | 77.42400000000001   |                     |                     |                     |
| Observations  | 130                 | 130                 | 130                 | 130                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 45: Outcome: gen\_subcounty, Baseline Instrument with european migrant control

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)          |
|---|---------------------|-----------------------|----------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 3.126***<br>(0.355) |                       | 0.389***<br>(0.0986) |                      |
| Percentage Point Change in Urban Black Population           |                     | 0.0918***<br>(0.0232) |                      | 0.124***<br>(0.0323) |
| F-Stat  | 77.42400000000001   |                       |                      |                      |
| Observations  | 130                 | 130                   | 130                  | 130                  |

Standard errors in parentheses

\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

Table 46: Outcome: spdist, Baseline Instrument with european migrant control

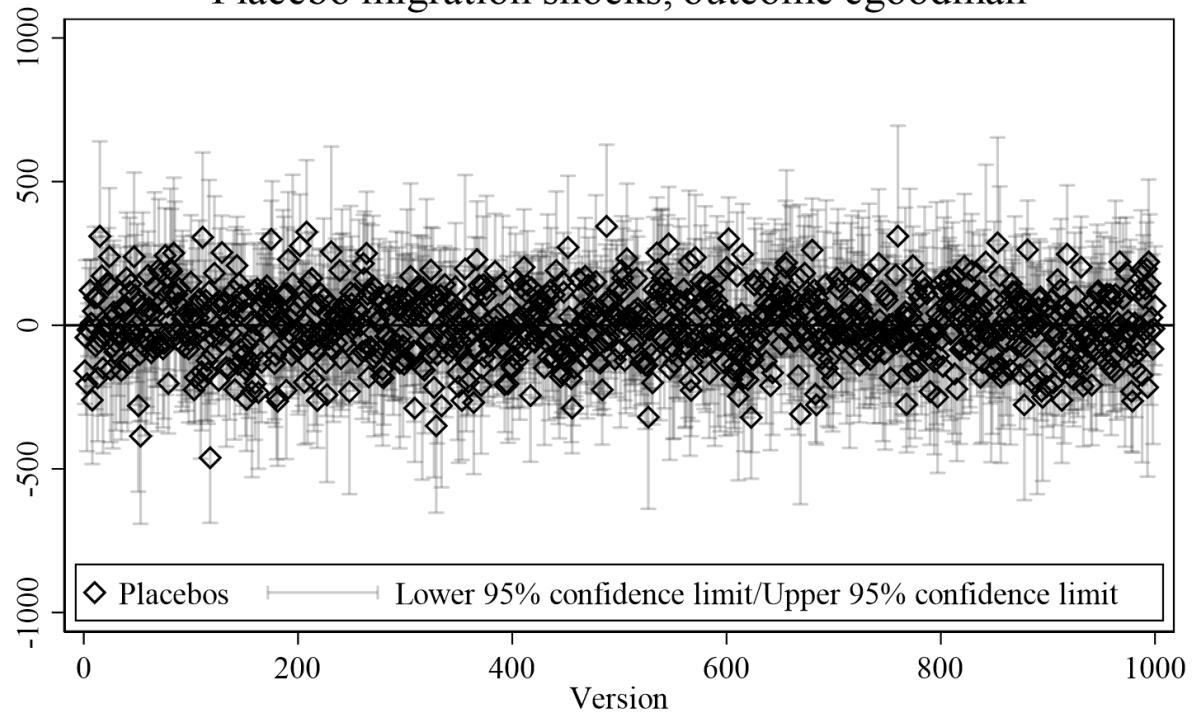
|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|------------------------|---------------------|-----------------------|
| Predicted Percentage Point Change in Urban Black Population | 3.126***<br>(0.355) |                        | -0.268**<br>(0.106) |                       |
| Percentage Point Change in Urban Black Population           |                     | -0.0860***<br>(0.0240) |                     | -0.0858**<br>(0.0336) |
| F-Stat  | 77.42400000000001   |                        |                     |                       |
| Observations  | 130                 | 130                    | 130                 | 130                   |

Standard errors in parentheses

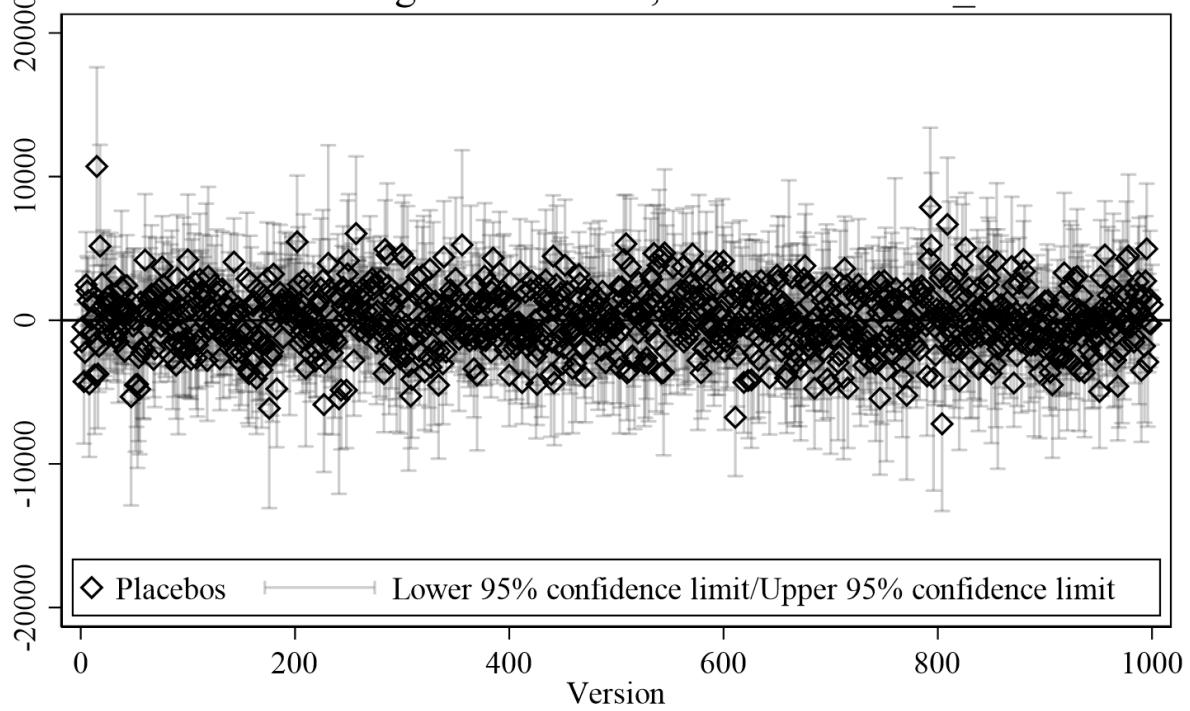
\* p&lt;0.10, \*\* p&lt;0.05, \*\*\* p&lt;0.01

## 1.12 Placebo Tests

### Placebo migration shocks, outcome cgoodman



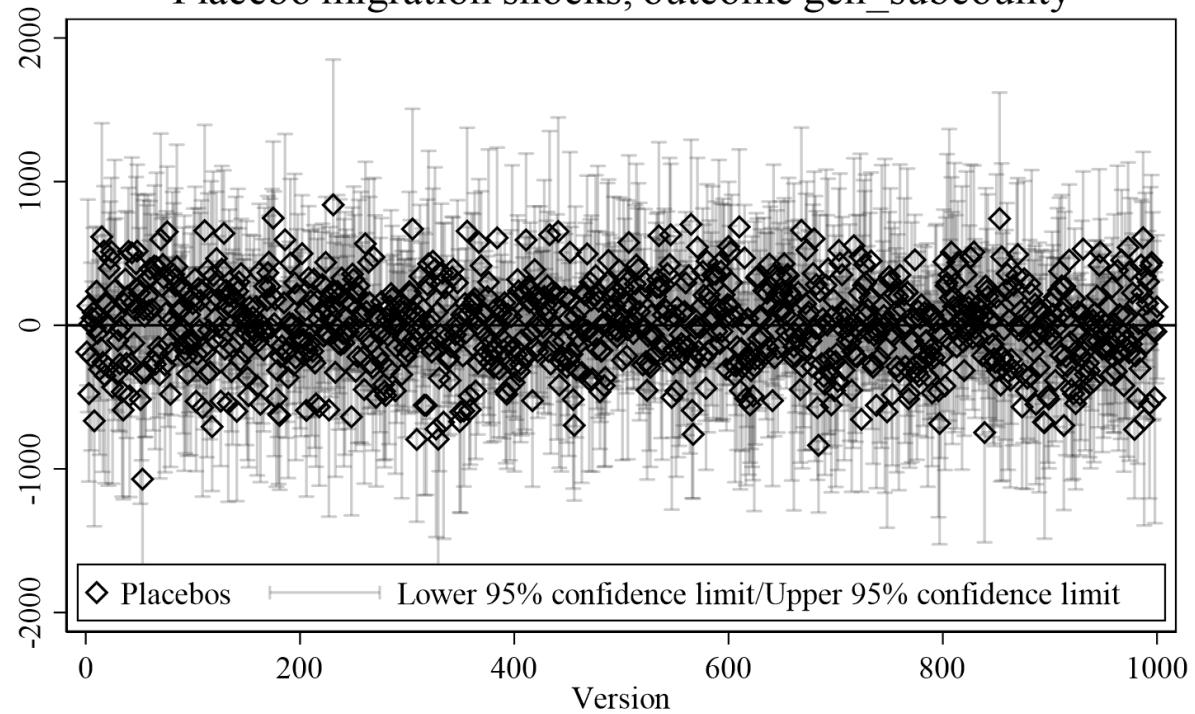
### Placebo migration shocks, outcome schdist\_ind



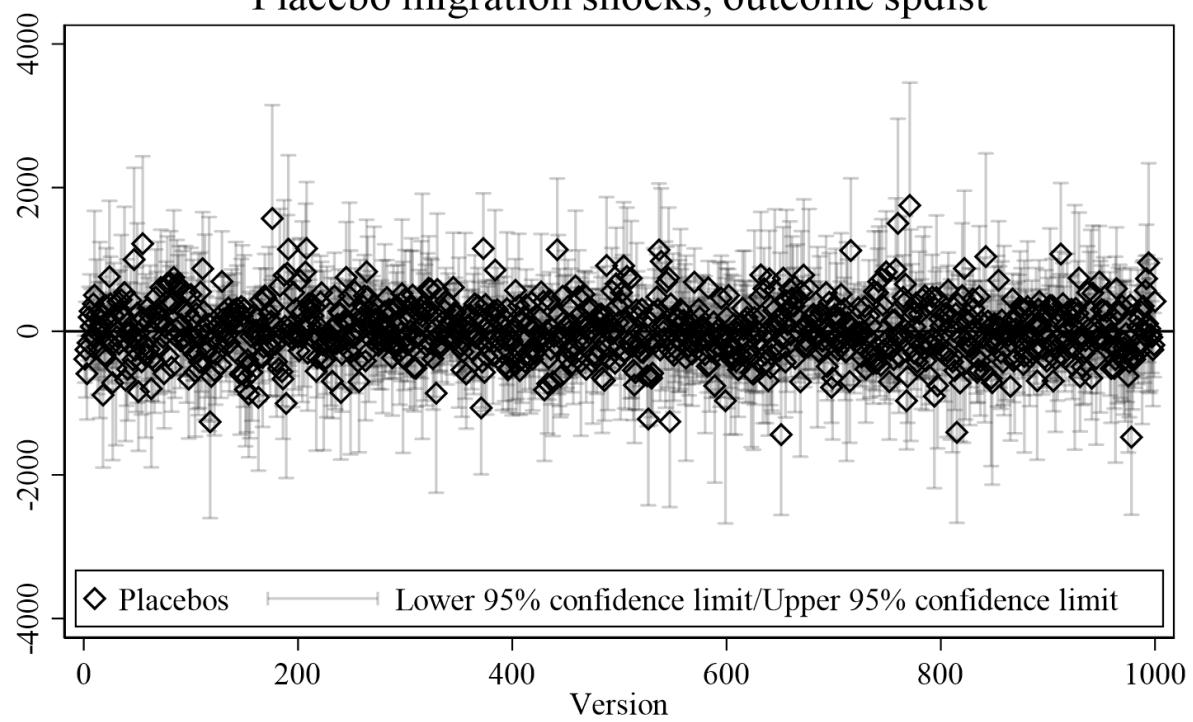
% significant at the 5% level = 7.40

% significant at the 1% level = 2.00

### Placebo migration shocks, outcome gen\_subcounty

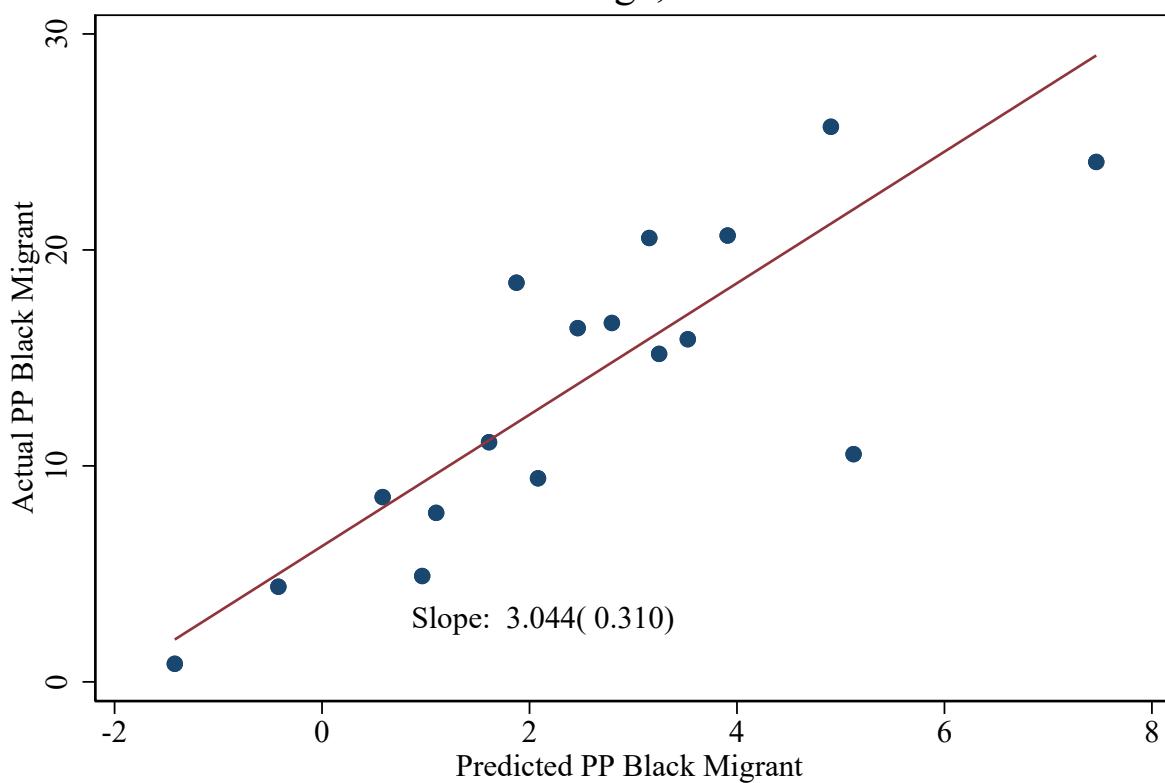


Placebo migration shocks, outcome spdist

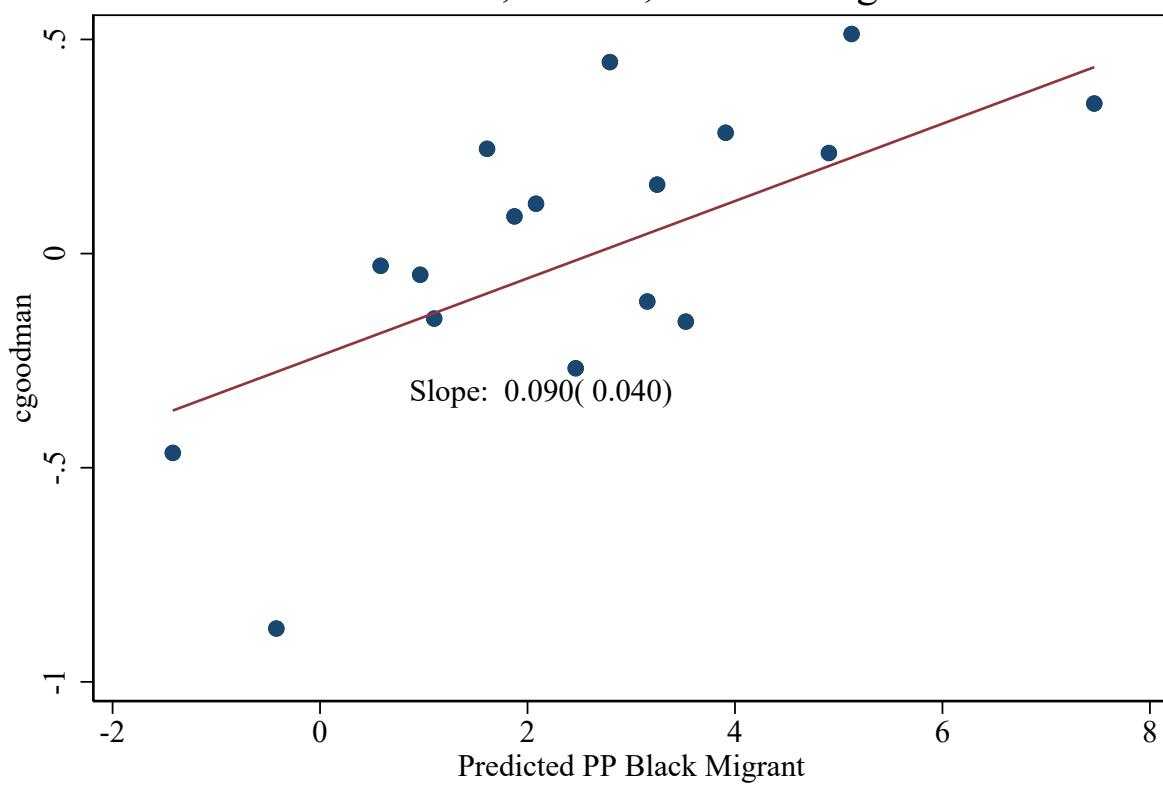


## 1.13 PP Binscatters

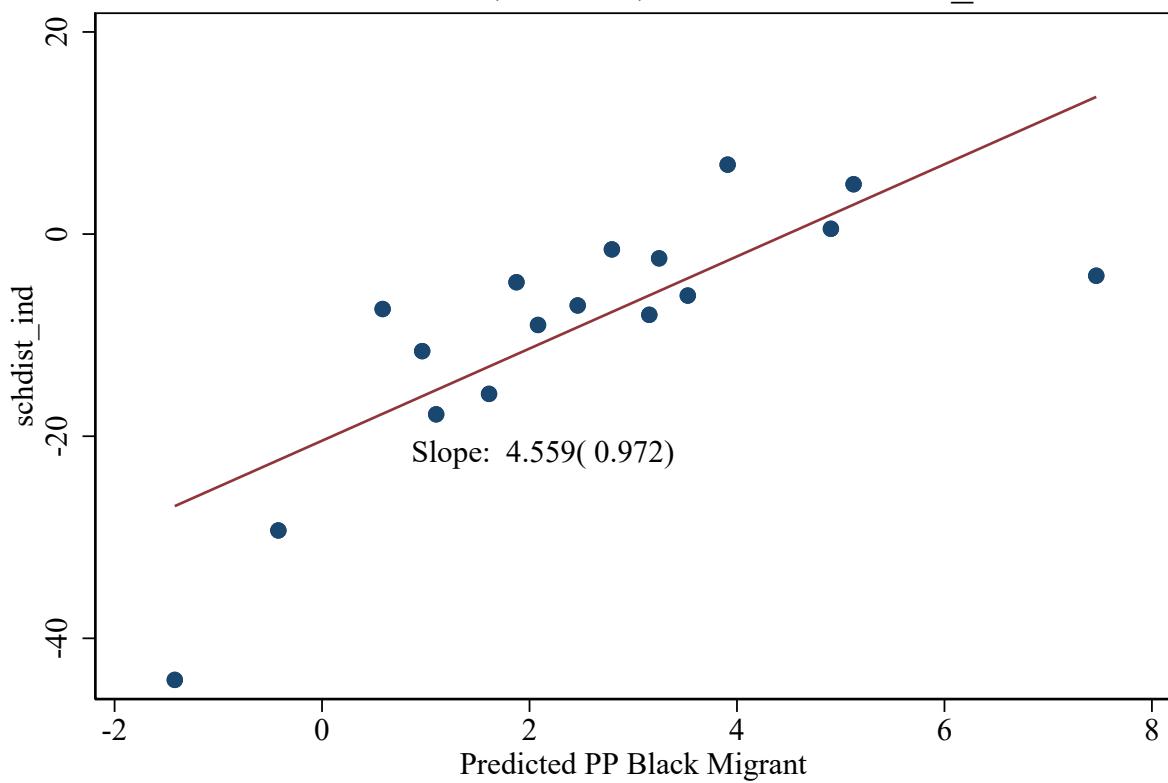
### First Stage, Pooled



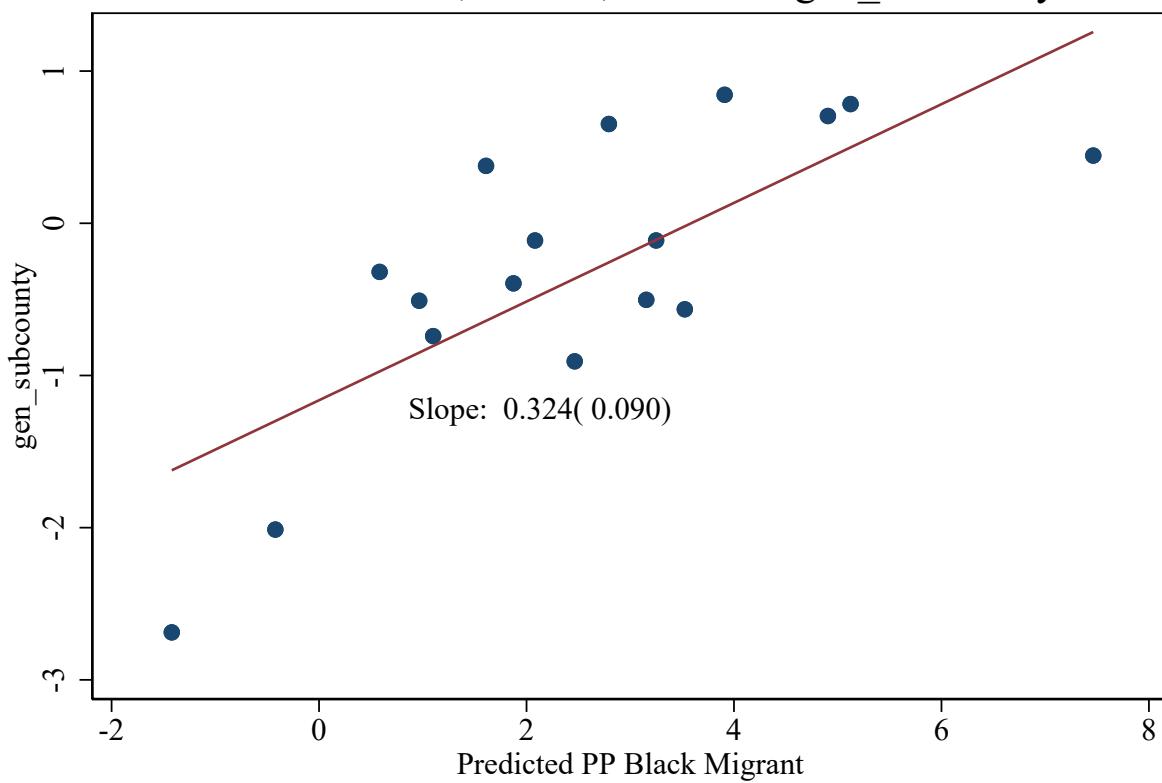
Reduced Form, Pooled, outcome: cgoodman



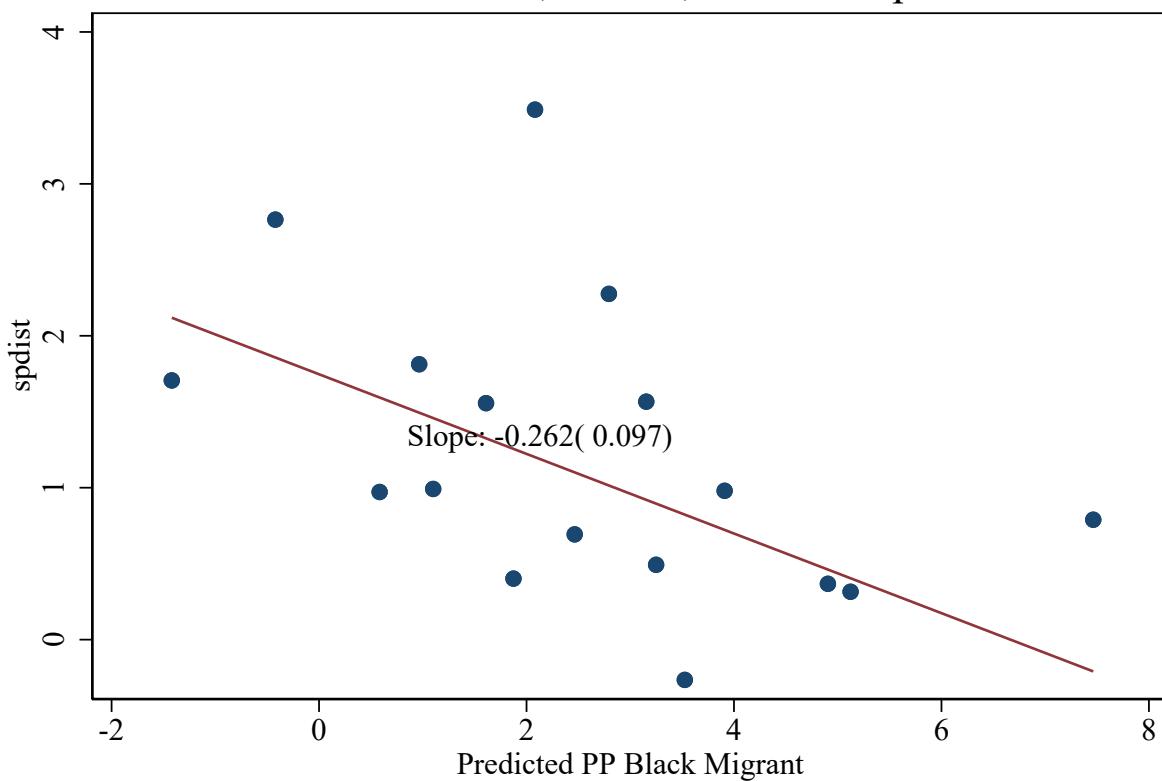
Reduced Form, Pooled, outcome: schdist\_ind



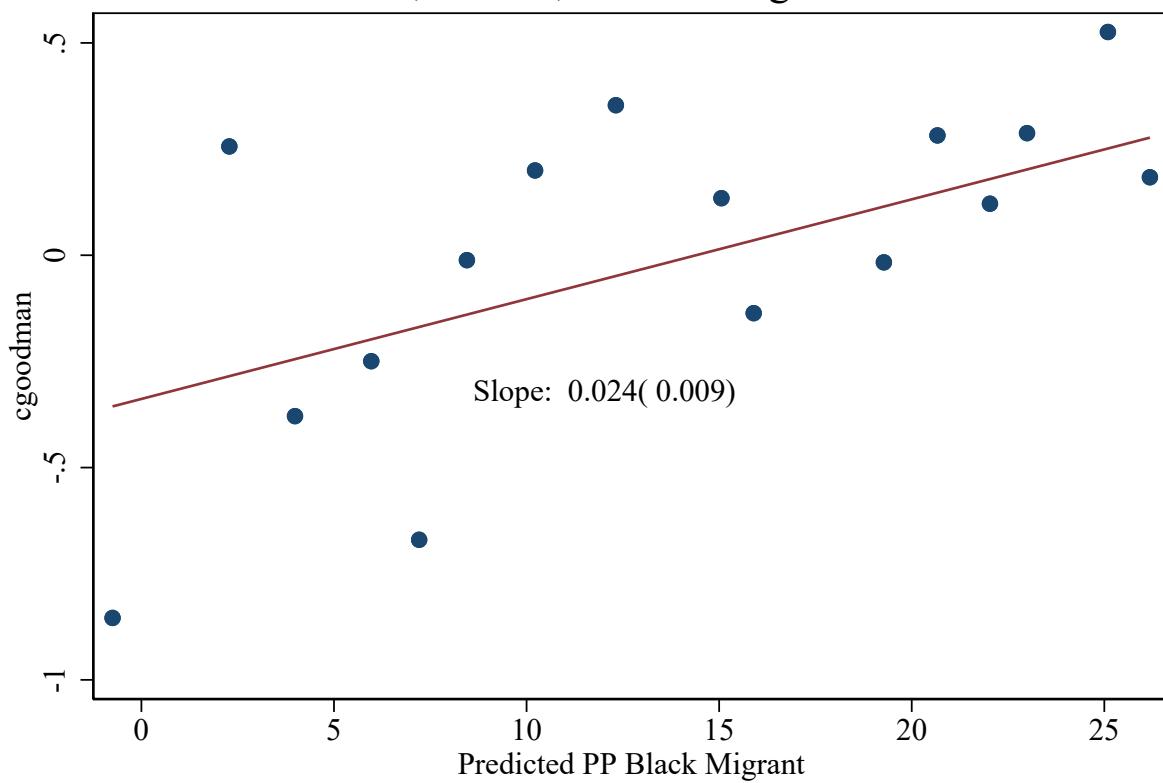
Reduced Form, Pooled, outcome: gen\_subcounty



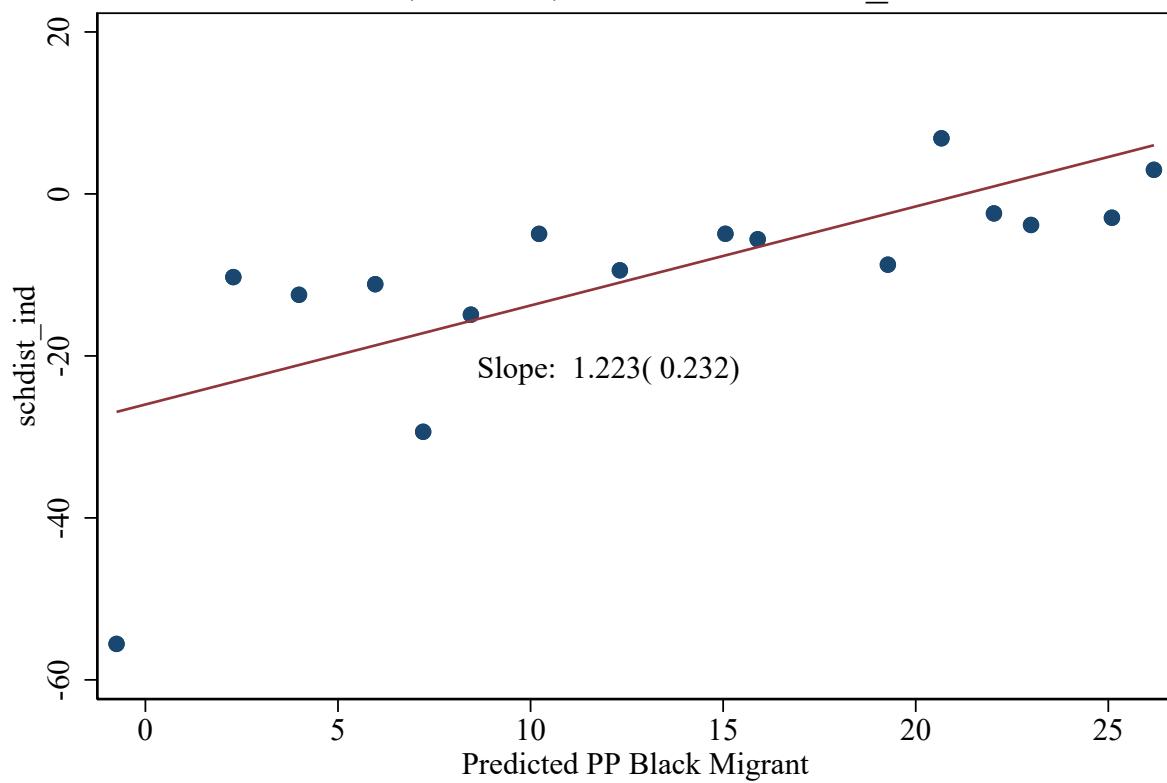
Reduced Form, Pooled, outcome: spdist



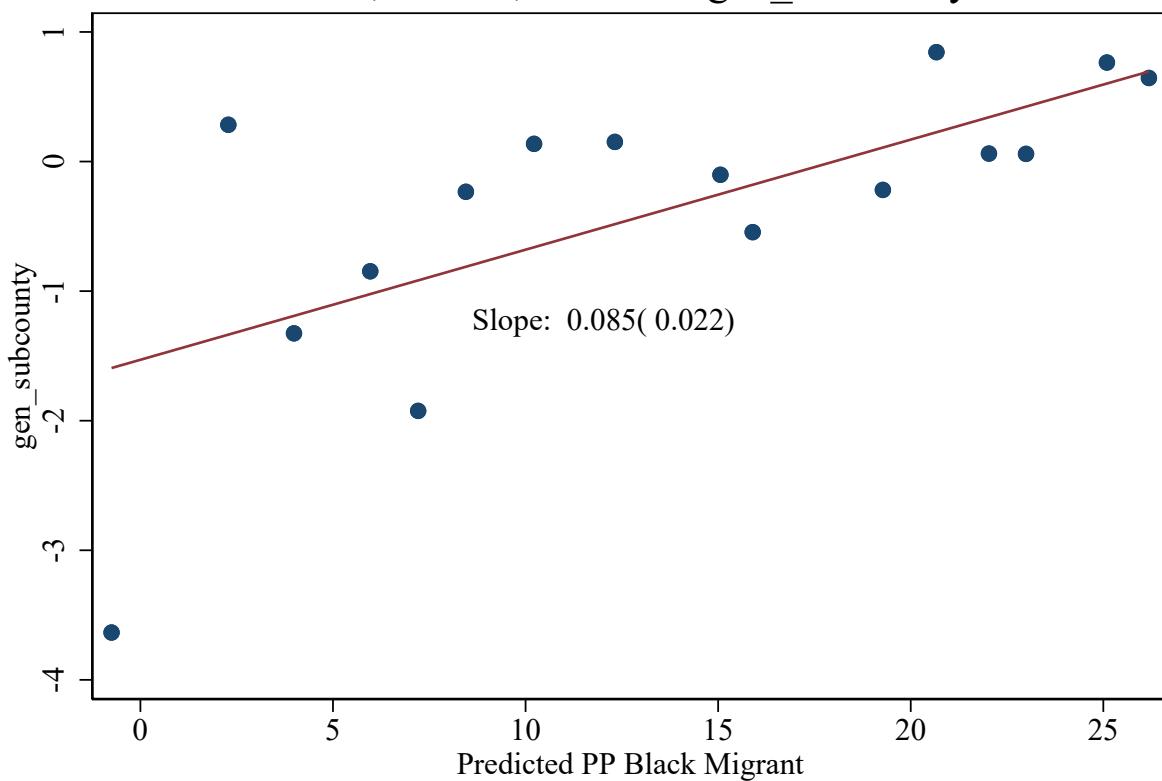
OLS, Pooled, outcome: cgoodman



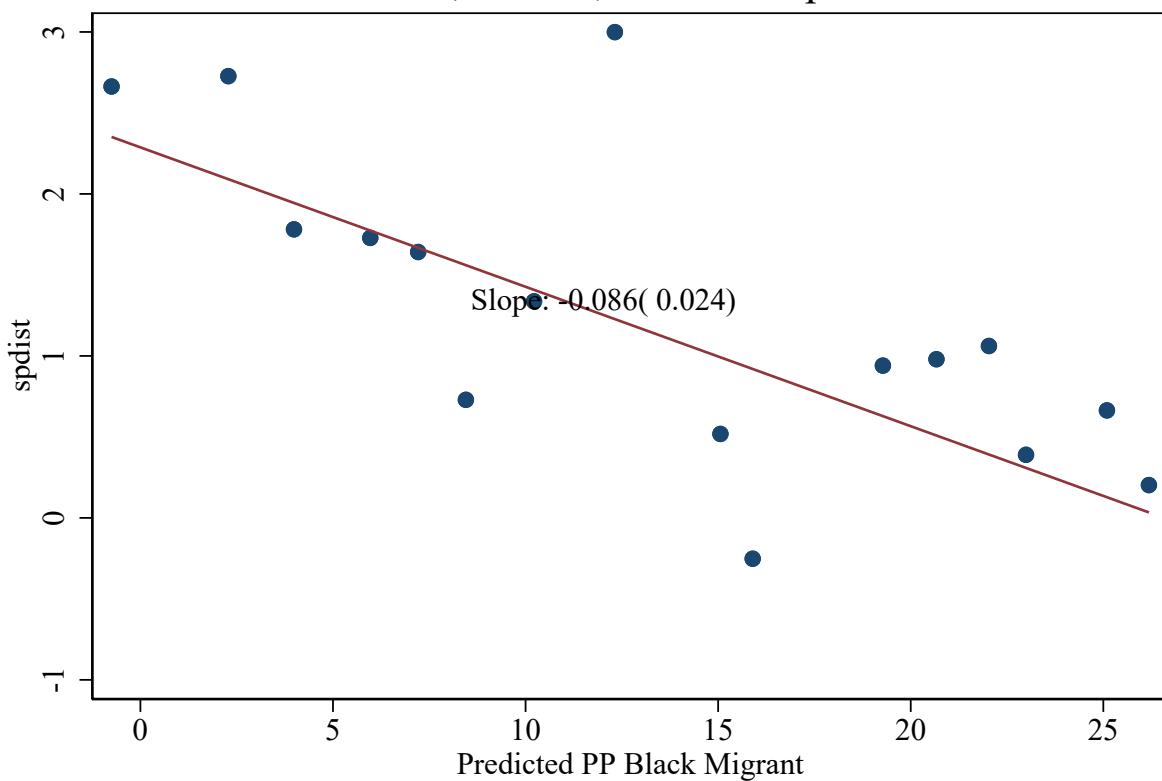
OLS, Pooled, outcome: schdist\_ind



OLS, Pooled, outcome: gen\_subcounty

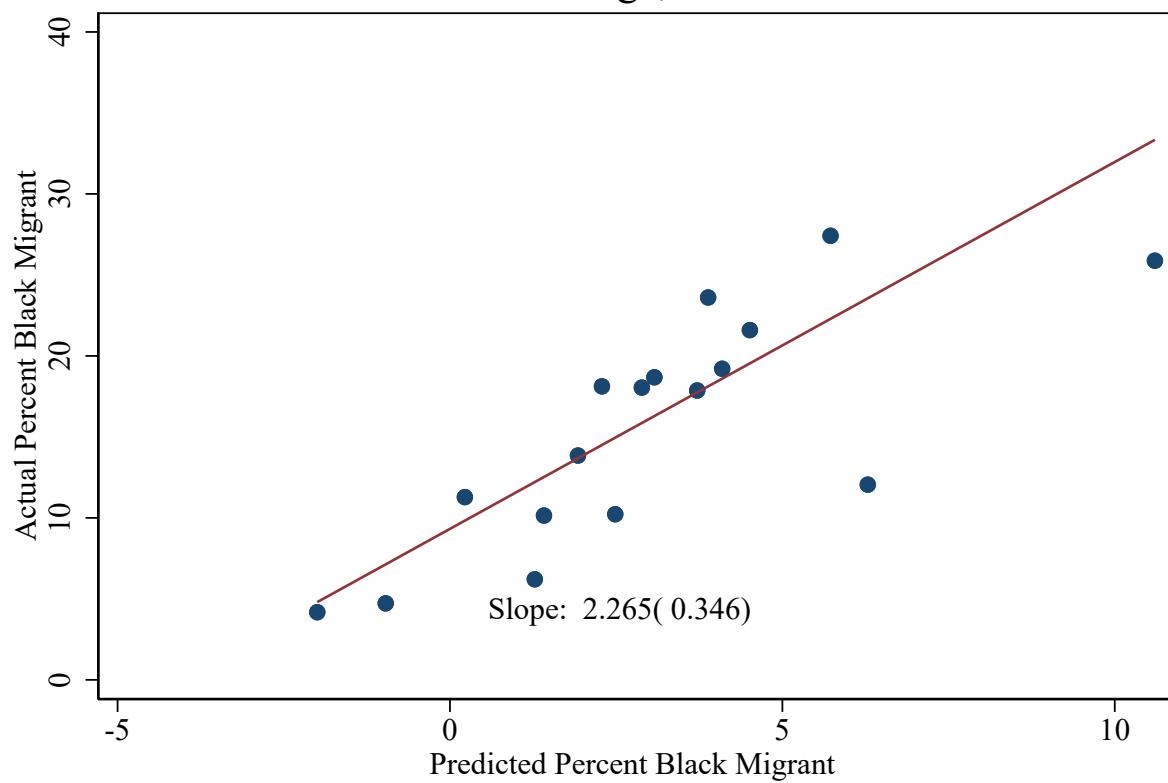


OLS, Pooled, outcome: spdist

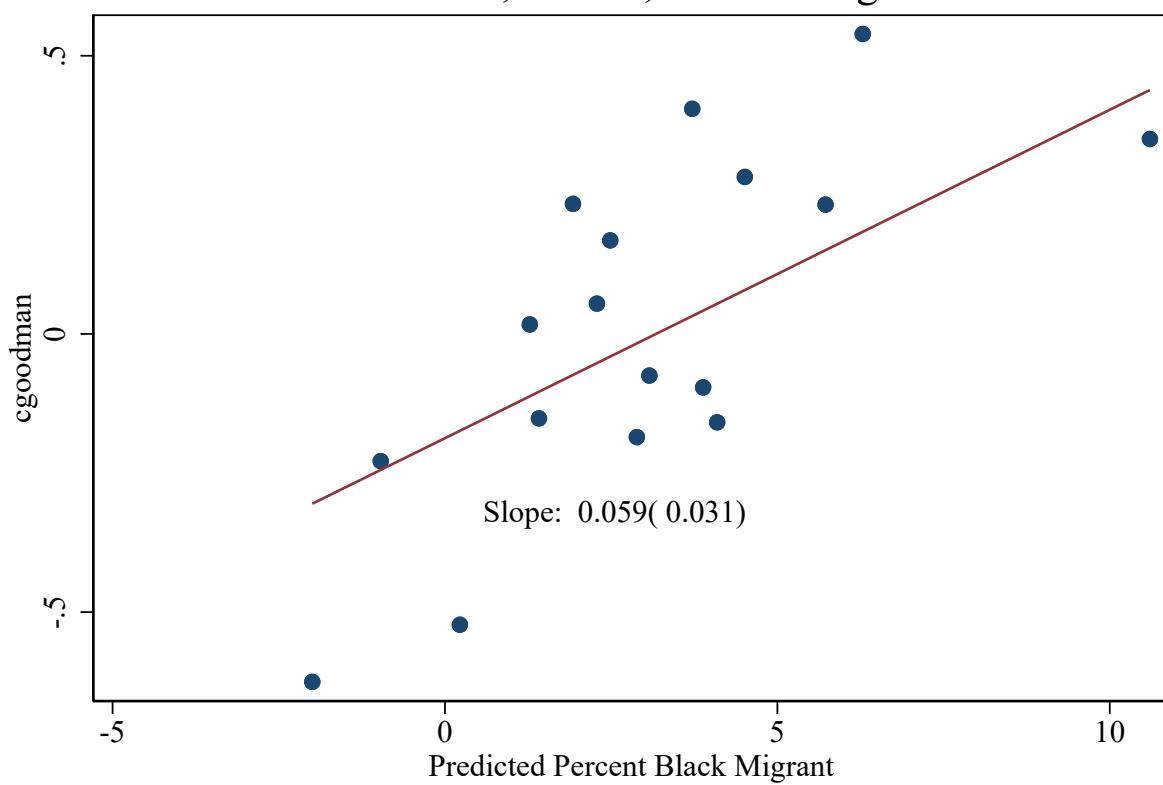


## 1.14 Percent Binscatters

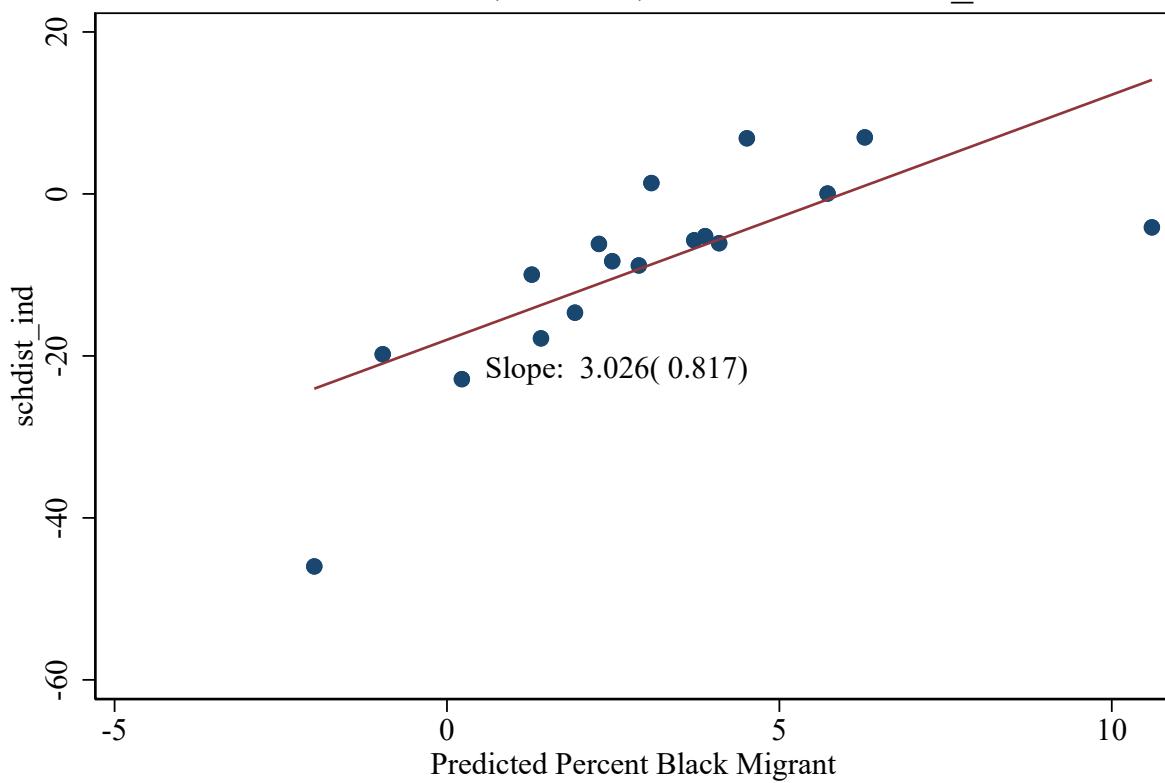
### First Stage, Pooled



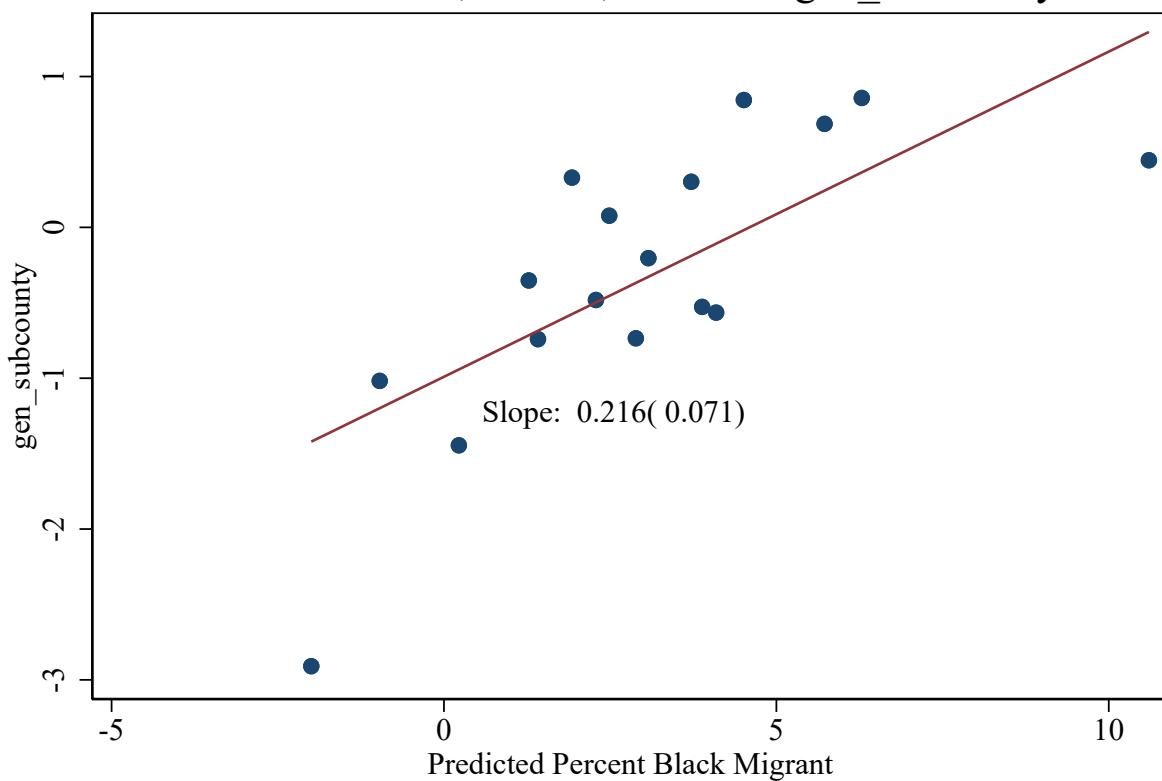
Reduced Form, Pooled, outcome: cgoodman



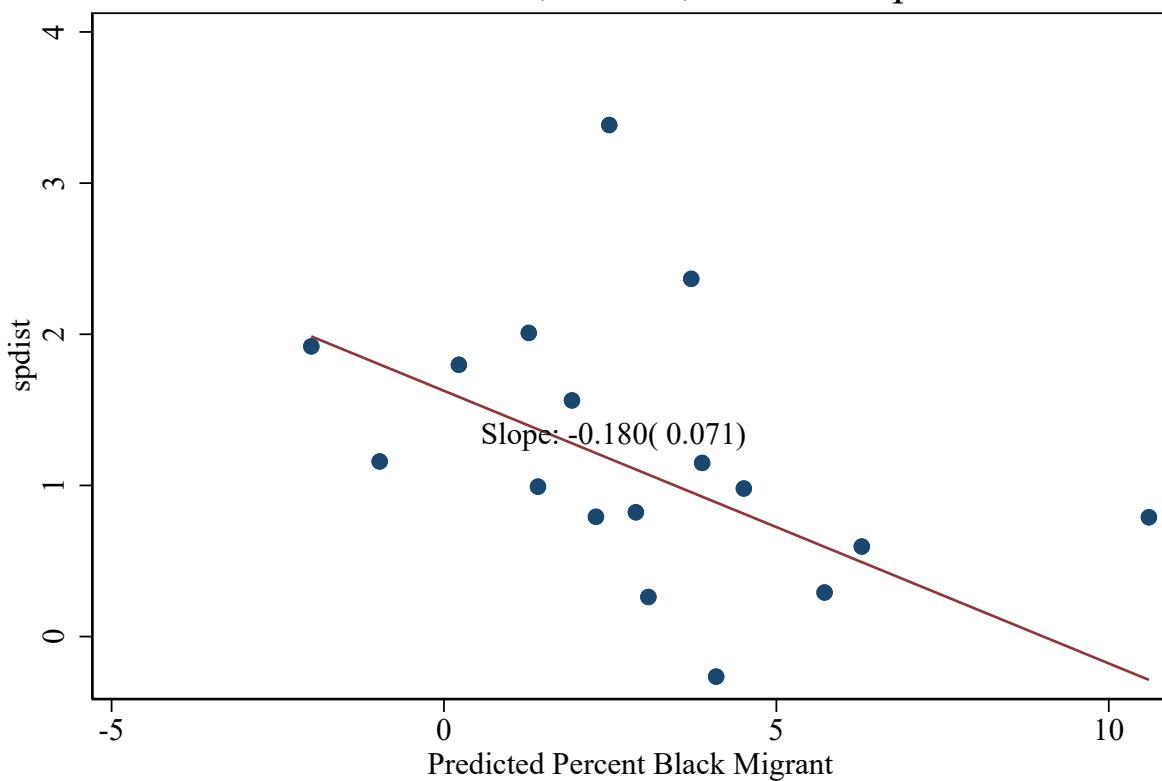
Reduced Form, Pooled, outcome: schdist\_ind



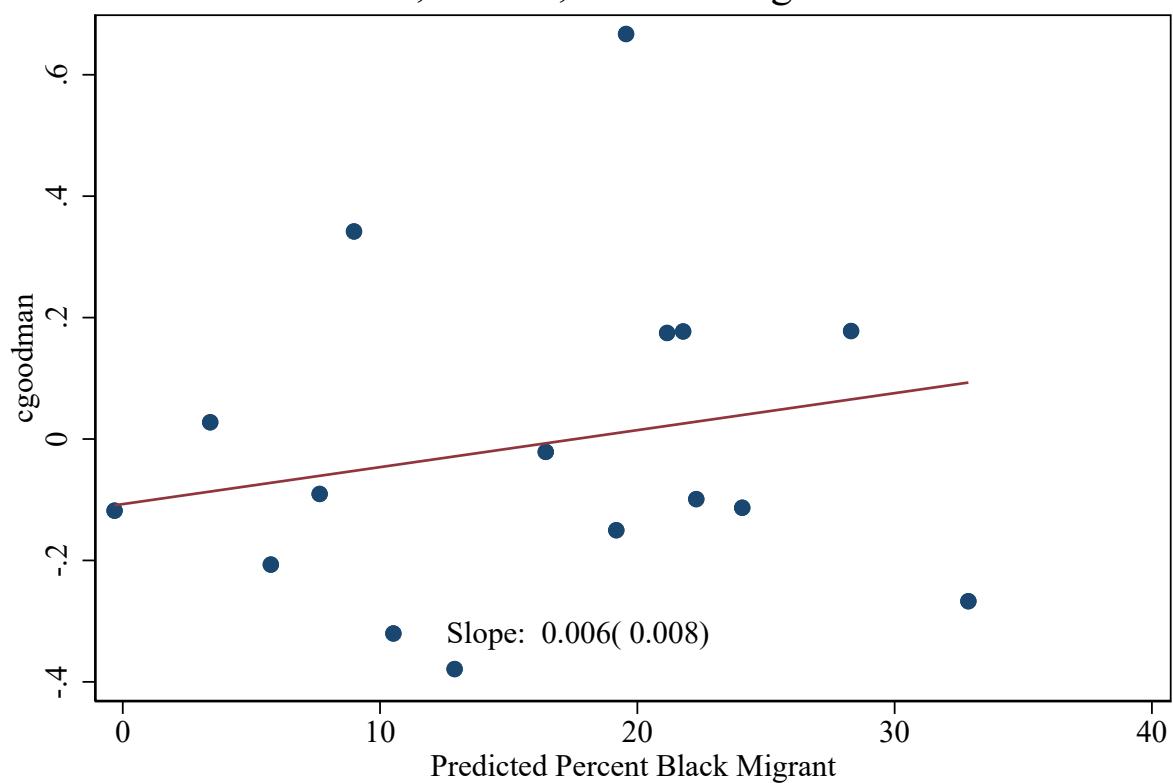
Reduced Form, Pooled, outcome: gen\_subcounty



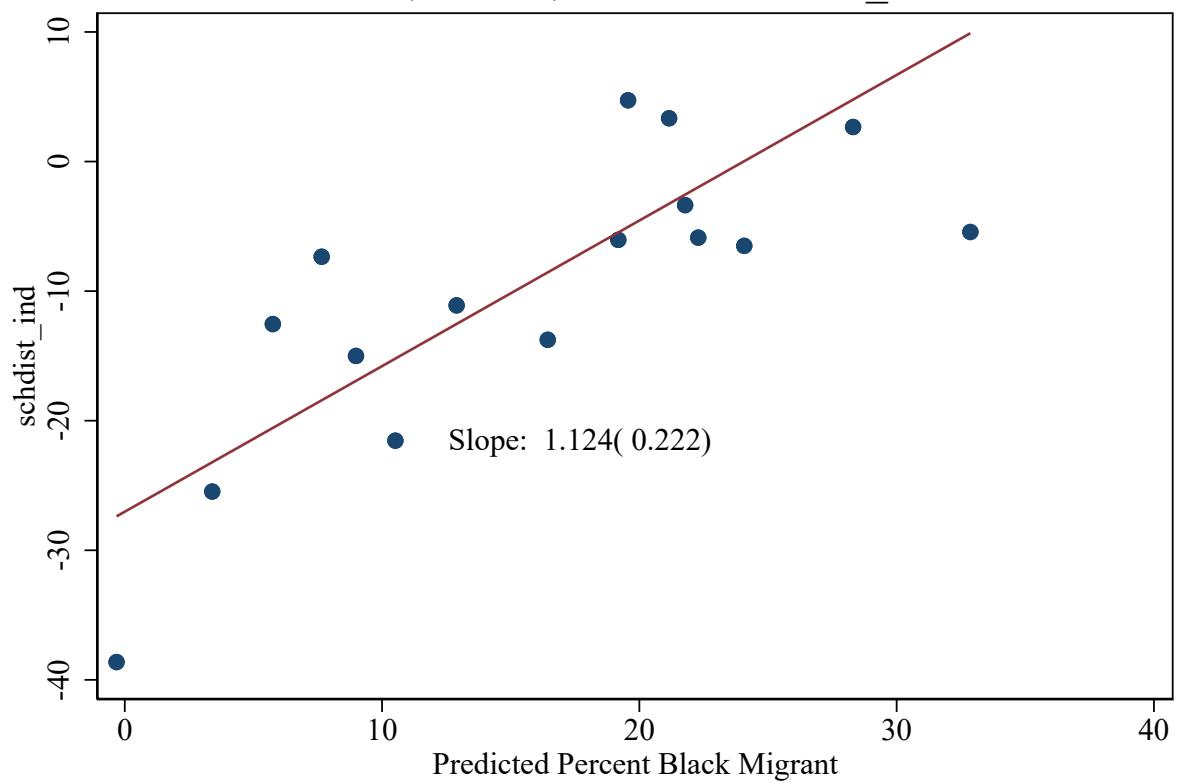
Reduced Form, Pooled, outcome: spdist



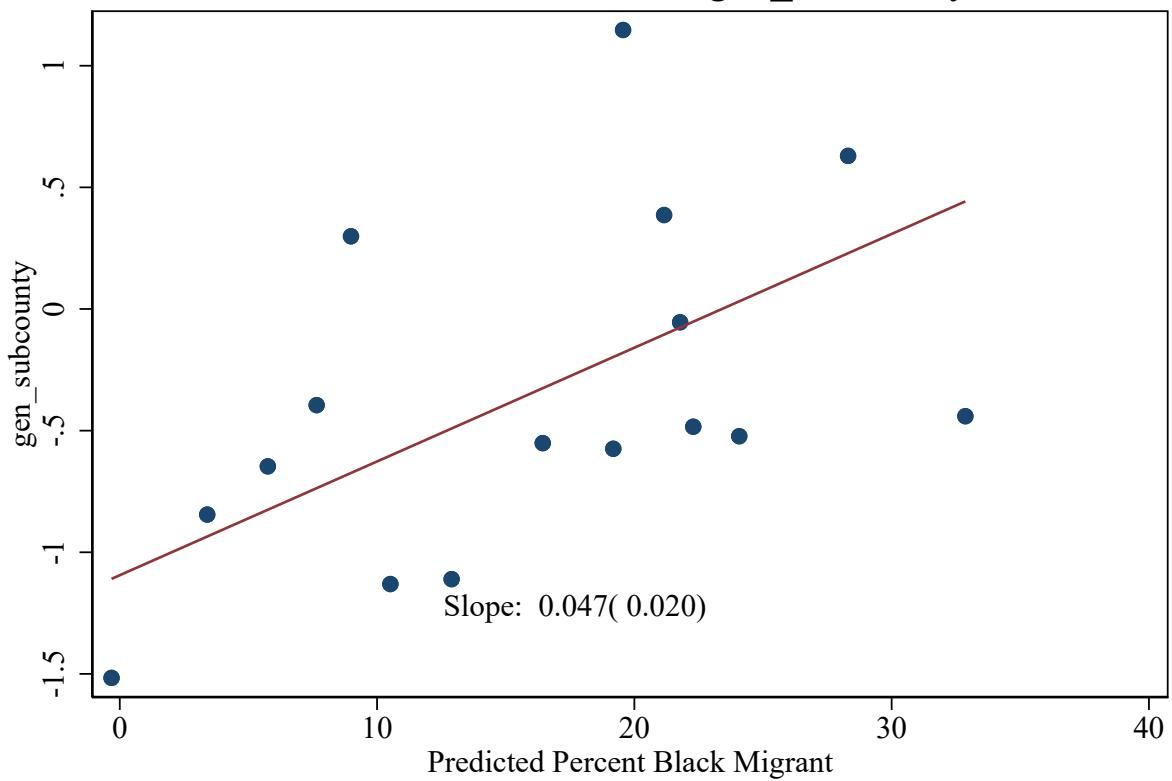
OLS, Pooled, outcome: cgoodman



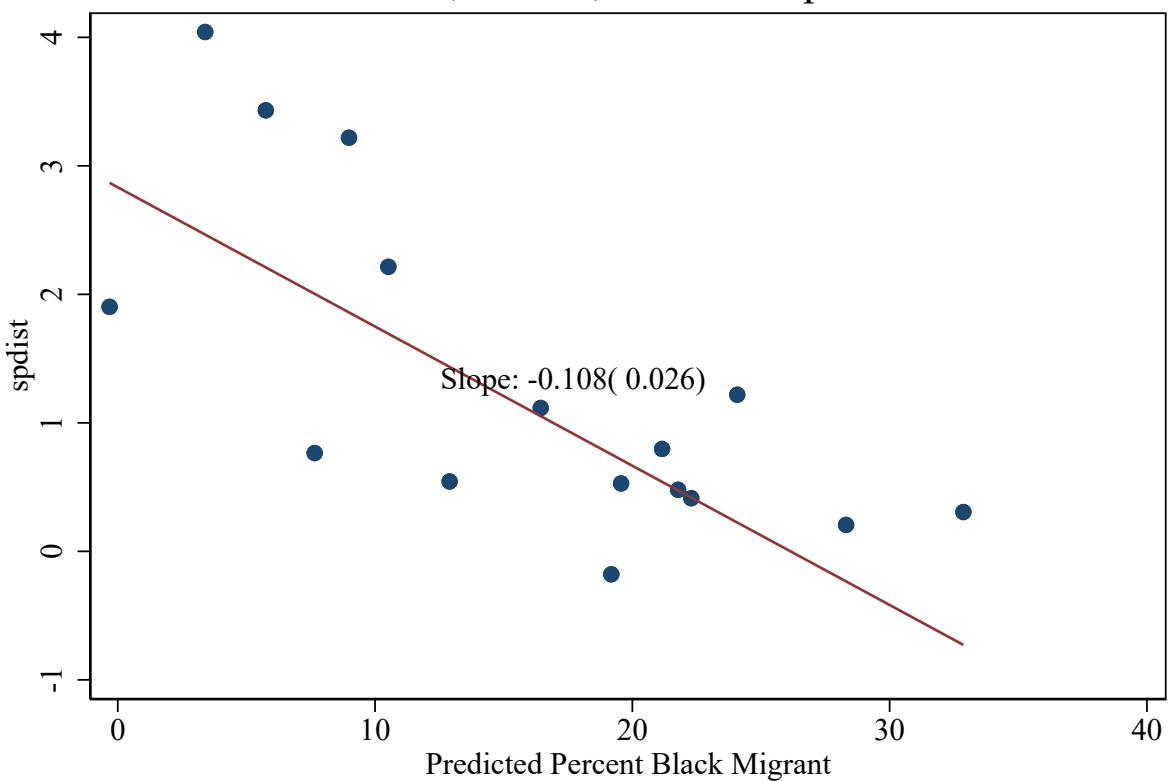
OLS, Pooled, outcome: schdist\_ind



OLS, Pooled, outcome: gen\_subcounty

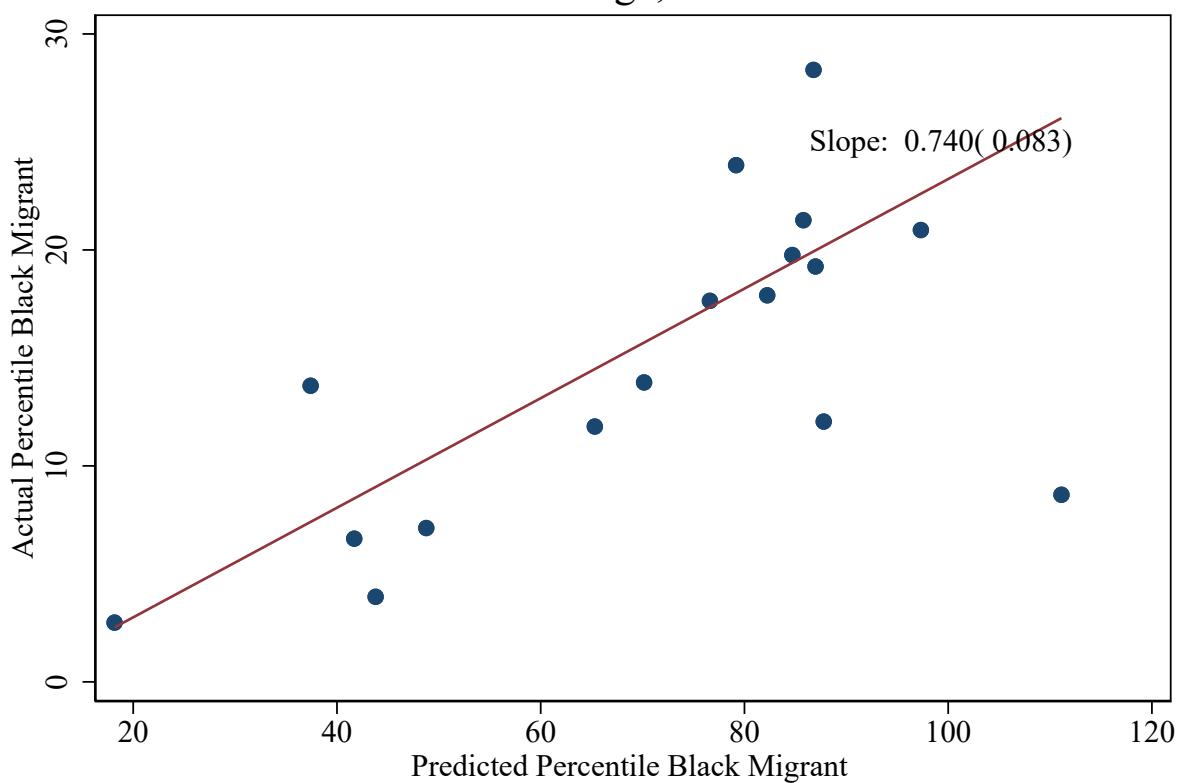


OLS, Pooled, outcome: spdist

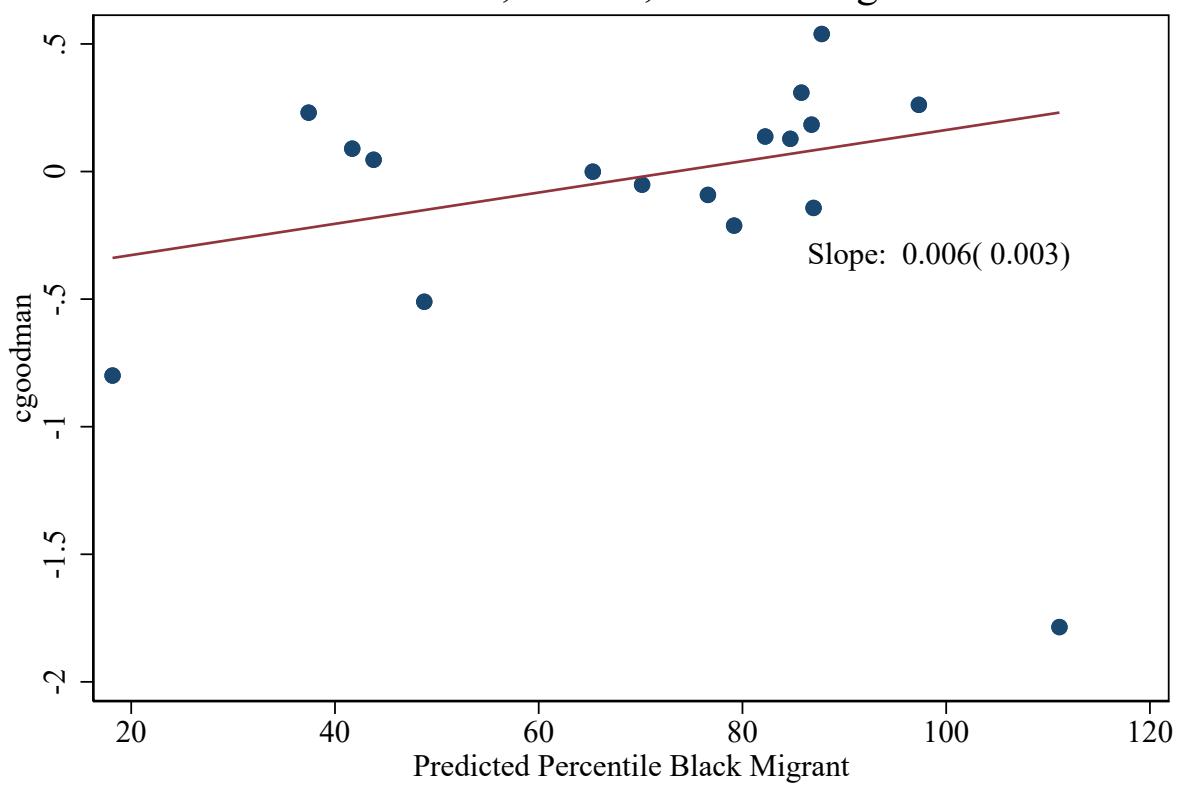


## 1.15 Percentile Binscatters

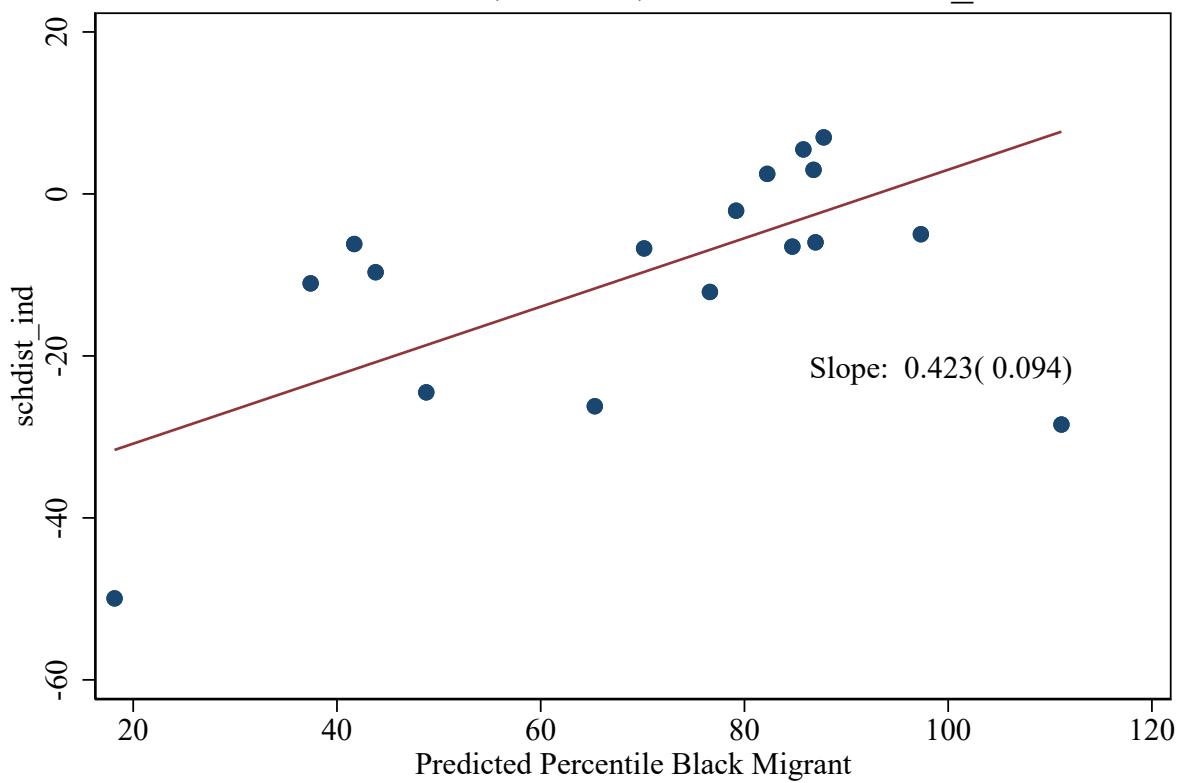
### First Stage, Pooled



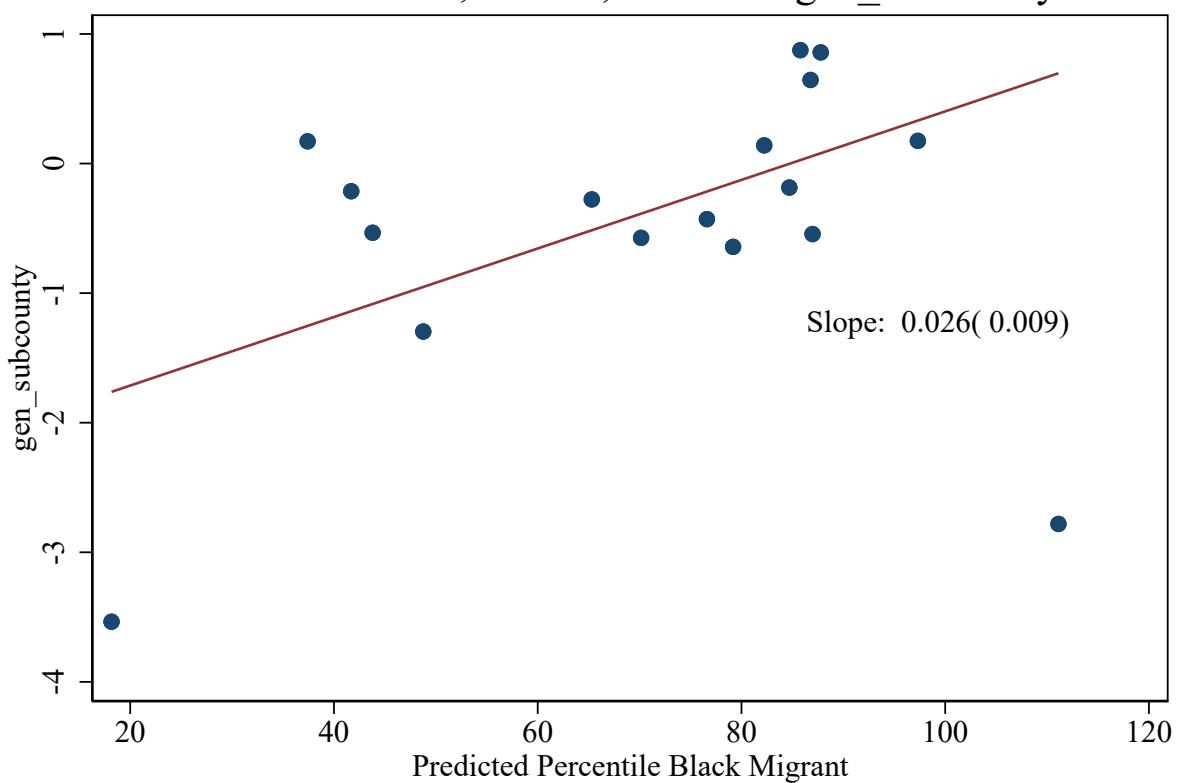
Reduced Form, Pooled, outcome: cgoodman



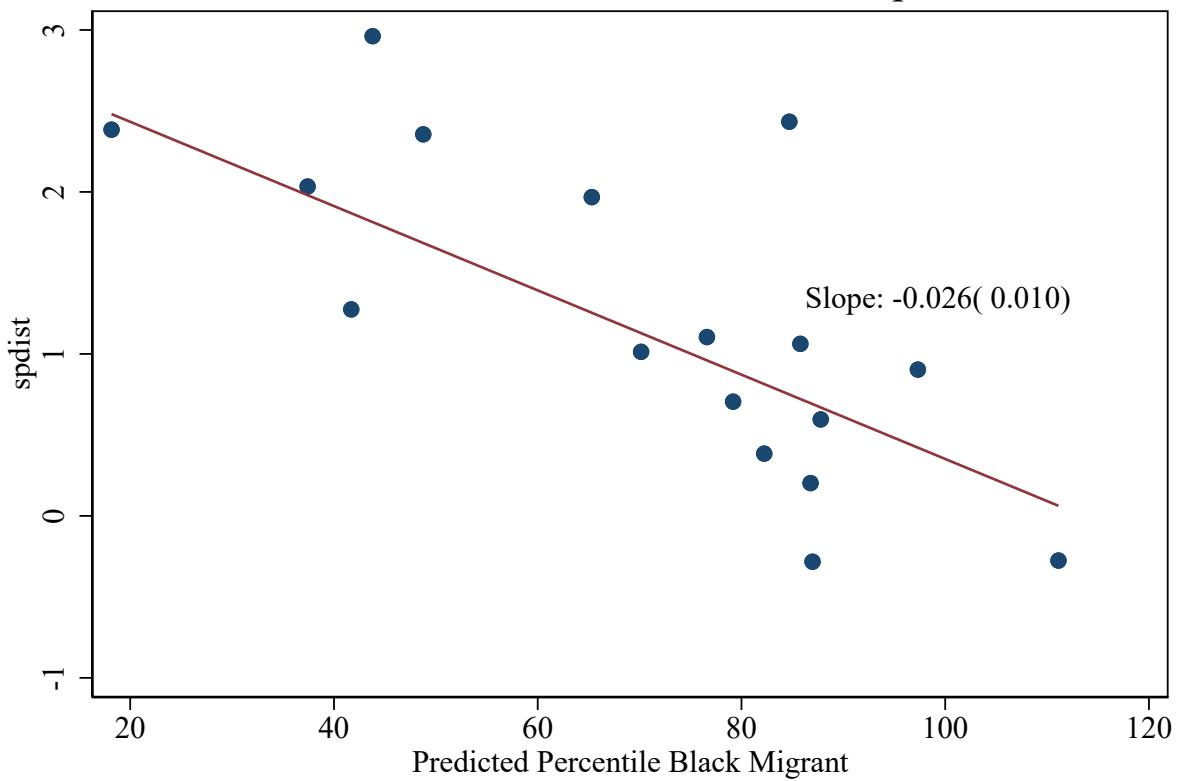
Reduced Form, Pooled, outcome: schdist\_ind



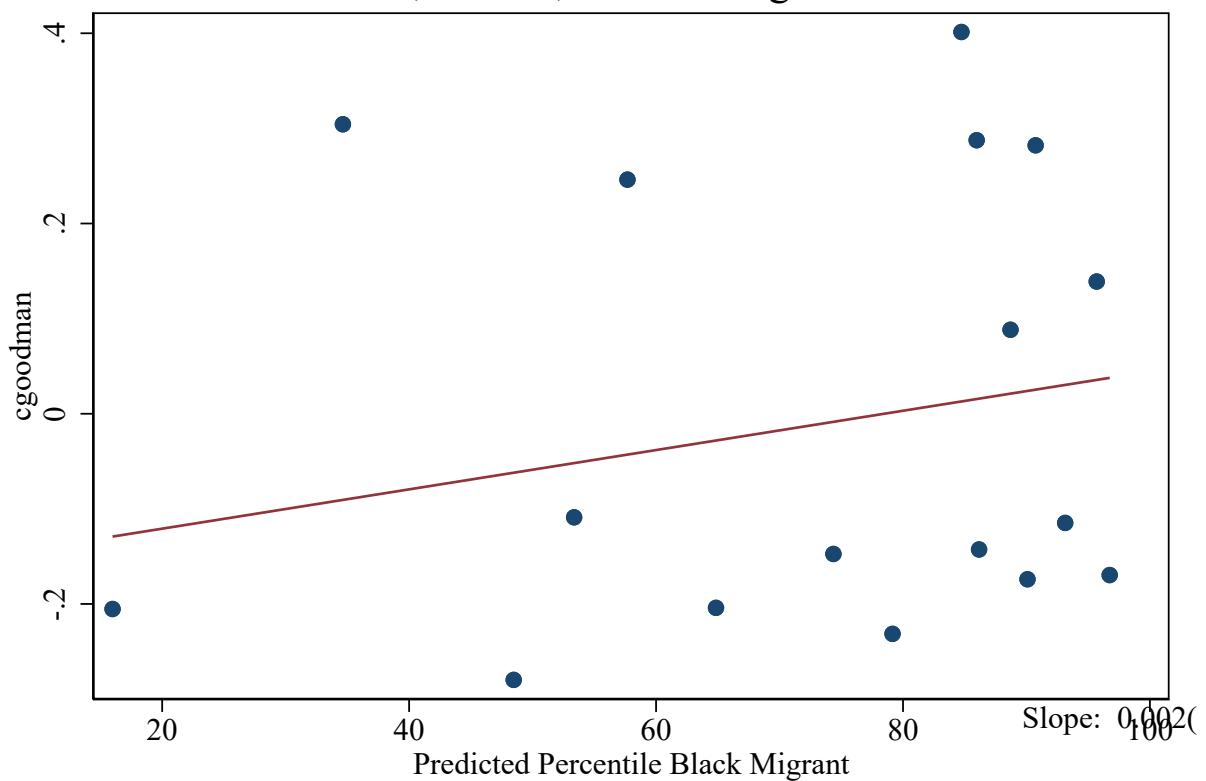
Reduced Form, Pooled, outcome: gen\_subcounty



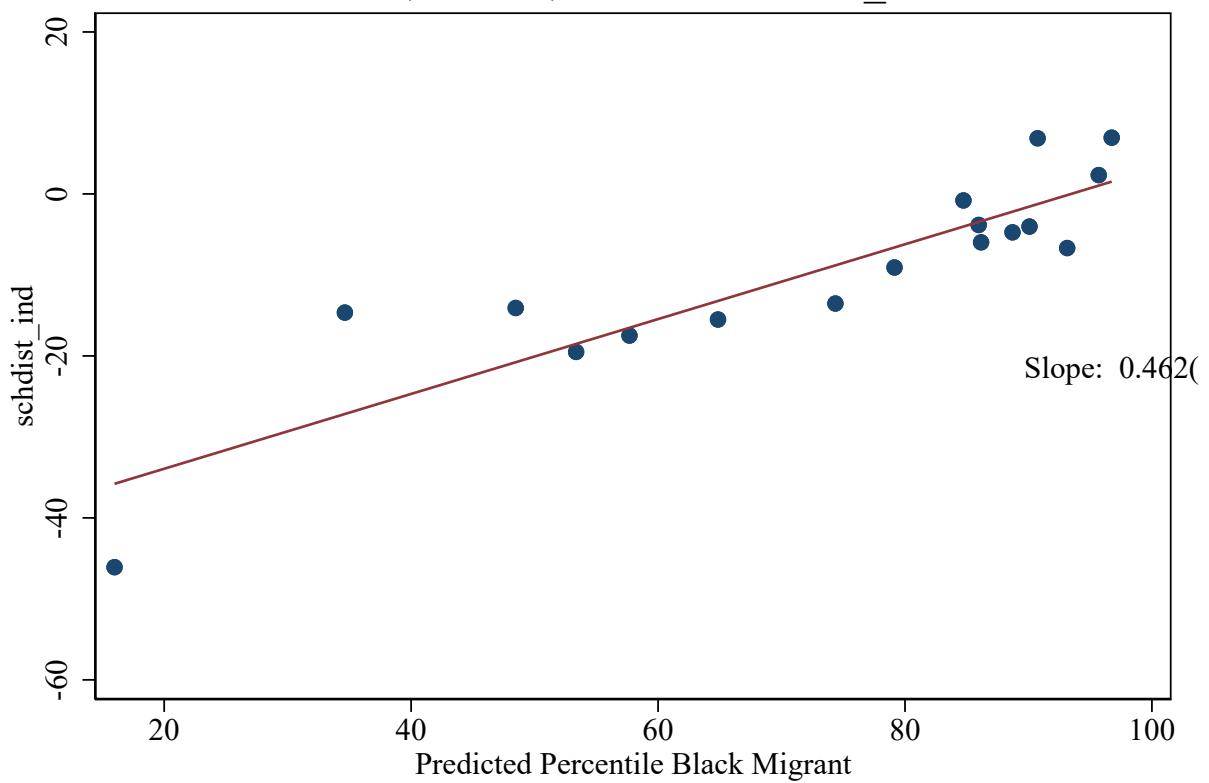
Reduced Form, Pooled, outcome: spdist



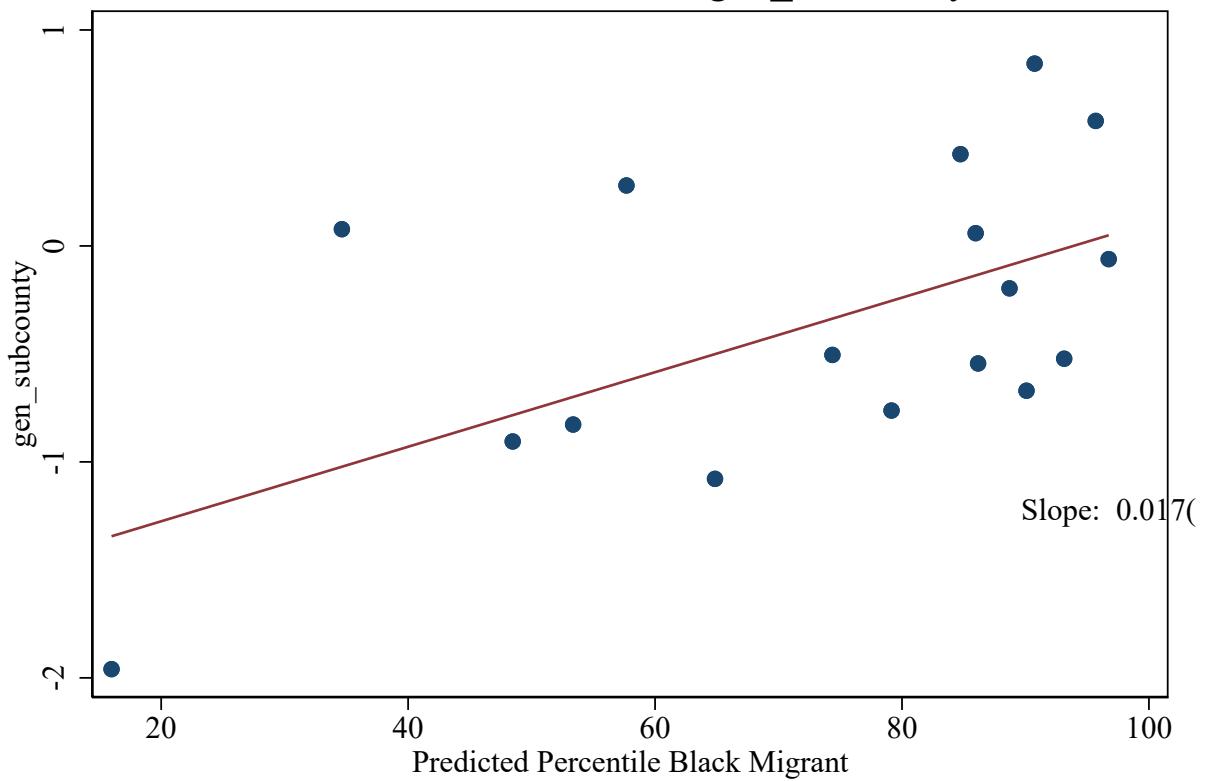
OLS, Pooled, outcome: cgoodman



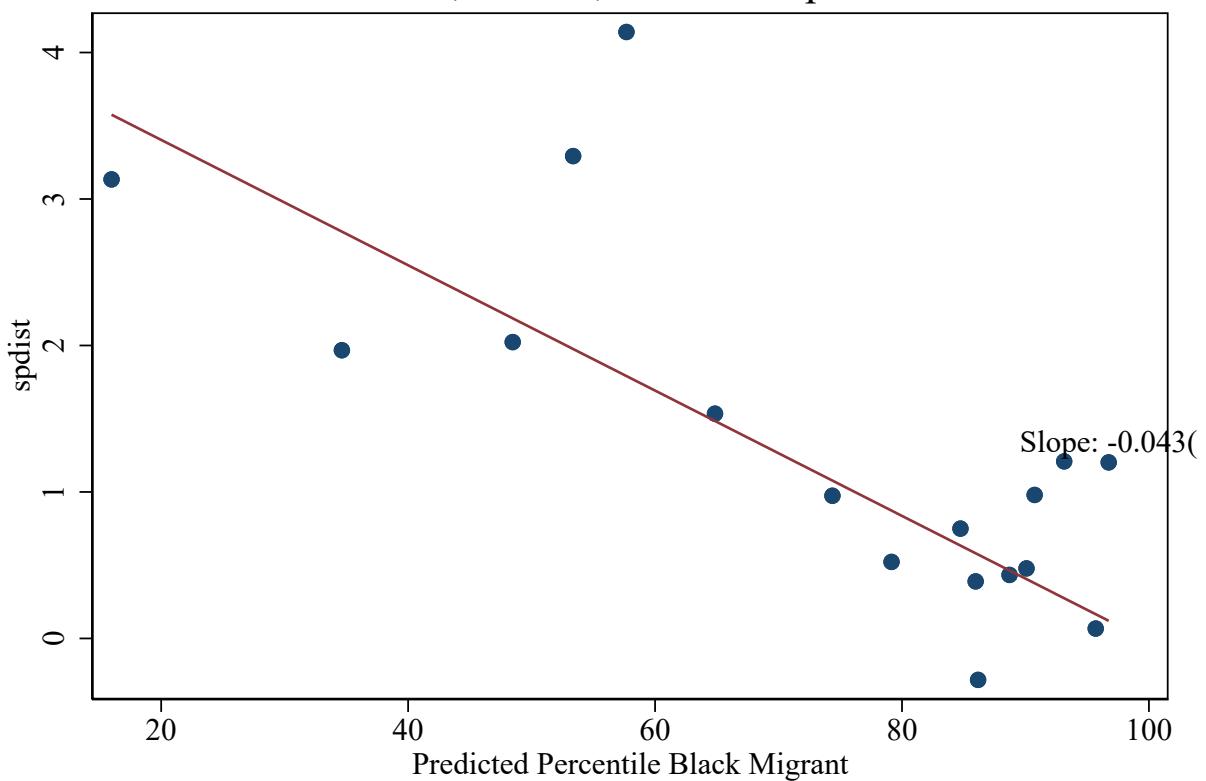
OLS, Pooled, outcome: schdist\_ind



OLS, Pooled, outcome: gen\_subcounty

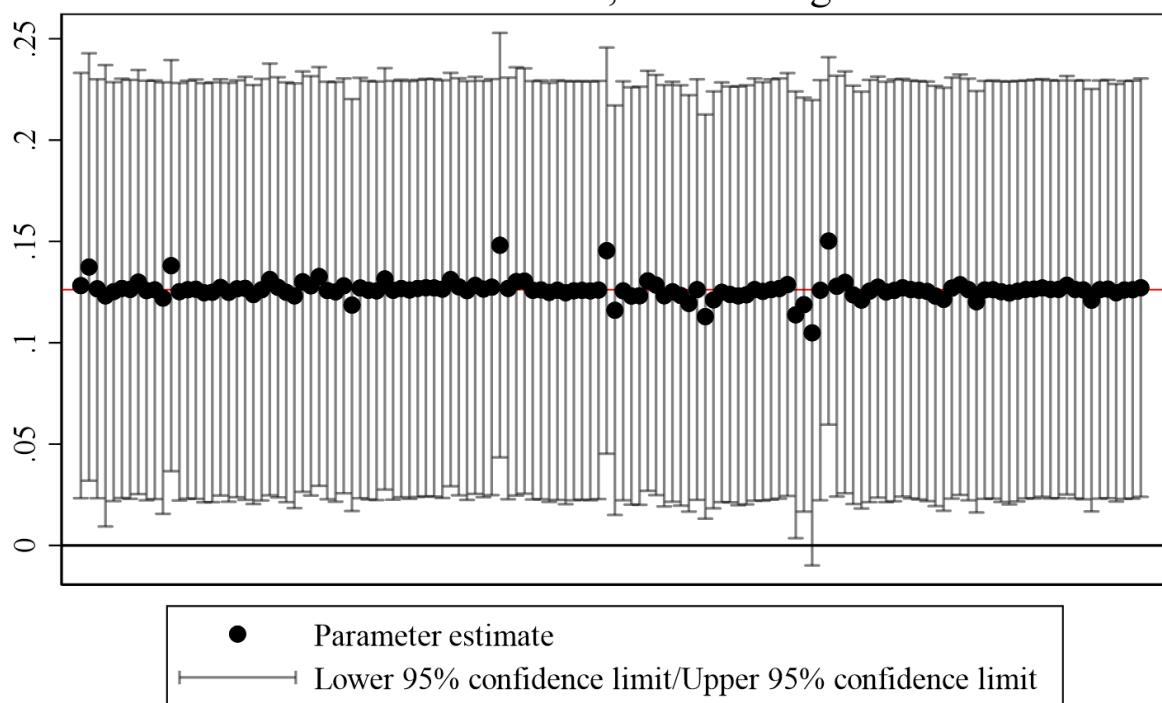


OLS, Pooled, outcome: spdist



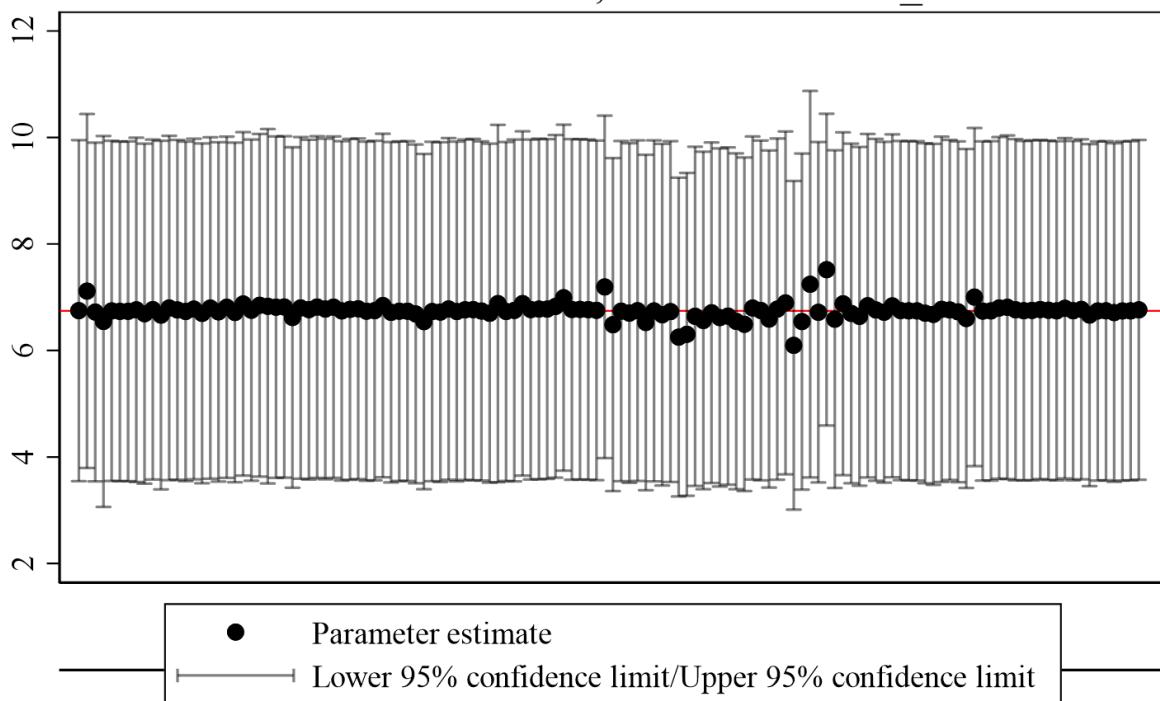
## 1.16 LOO Tests Reduced Form

### Reduced form LOO, outcome cgoodman

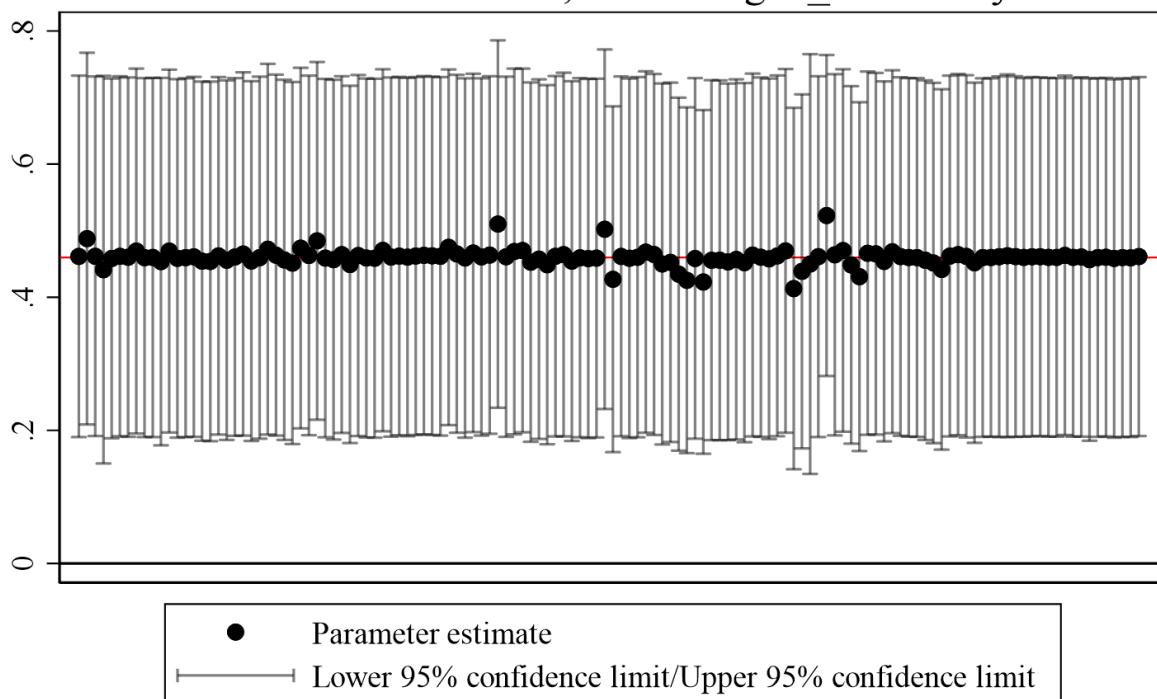


129 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

### Reduced form LOO, outcome schdist\_ind

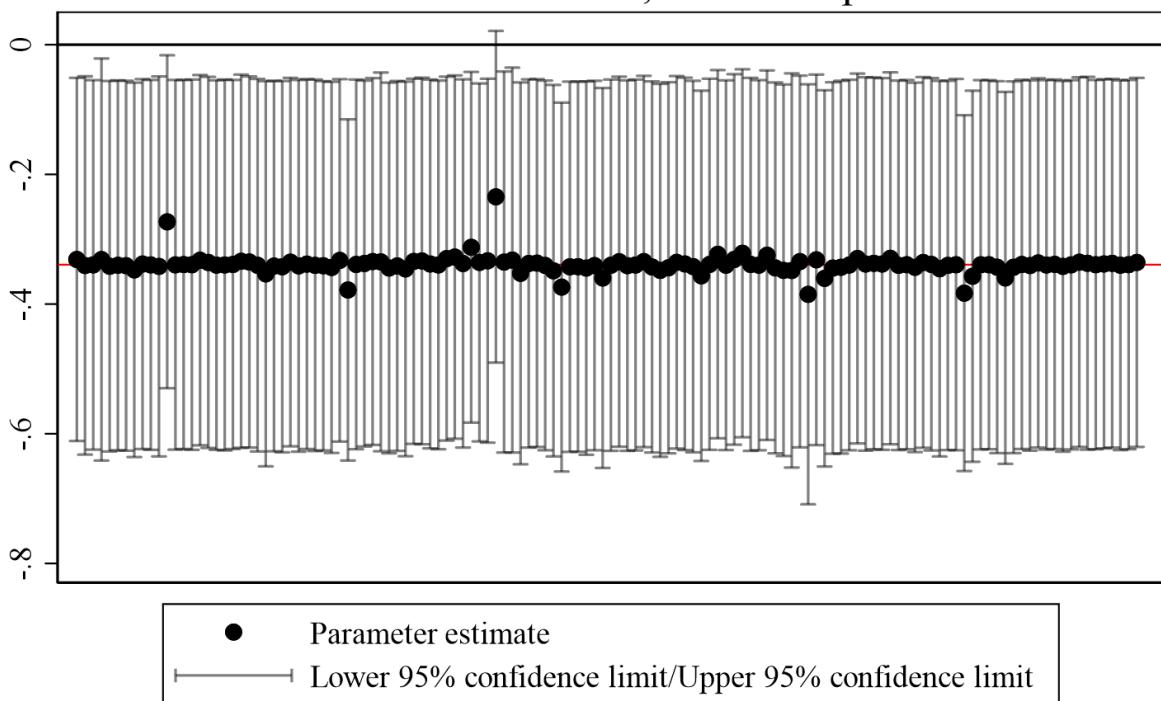


Reduced form LOO, outcome gen\_subcounty



130 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

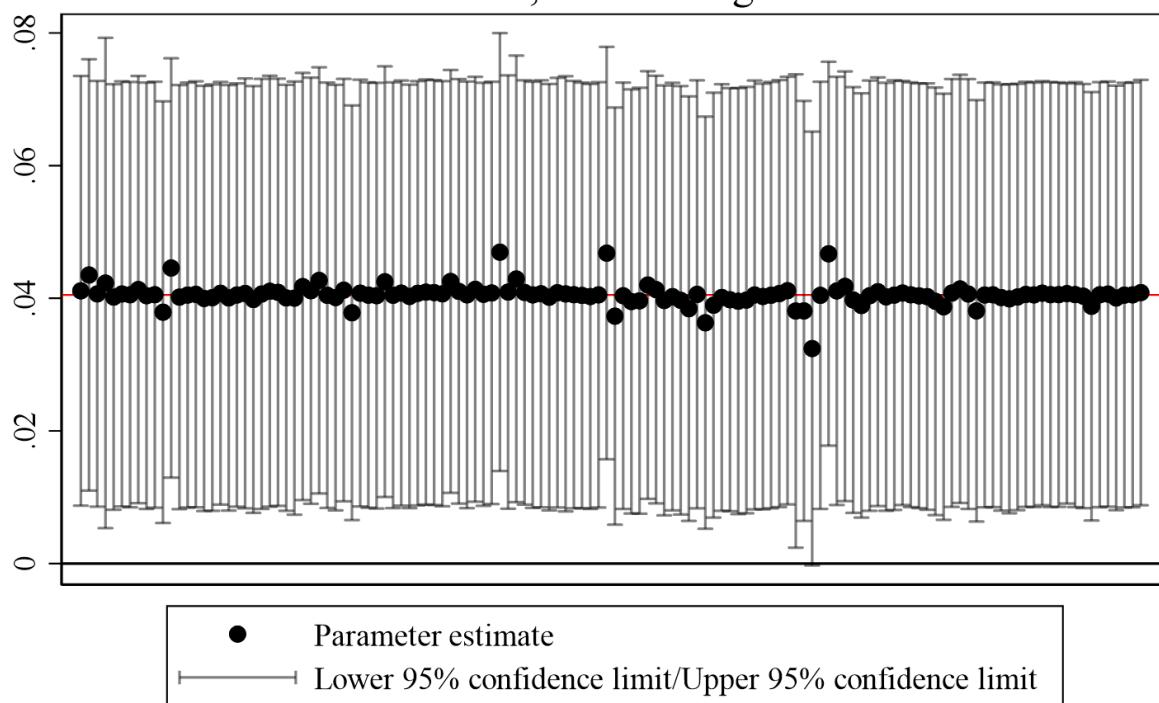
### Reduced form LOO, outcome spdist



129 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

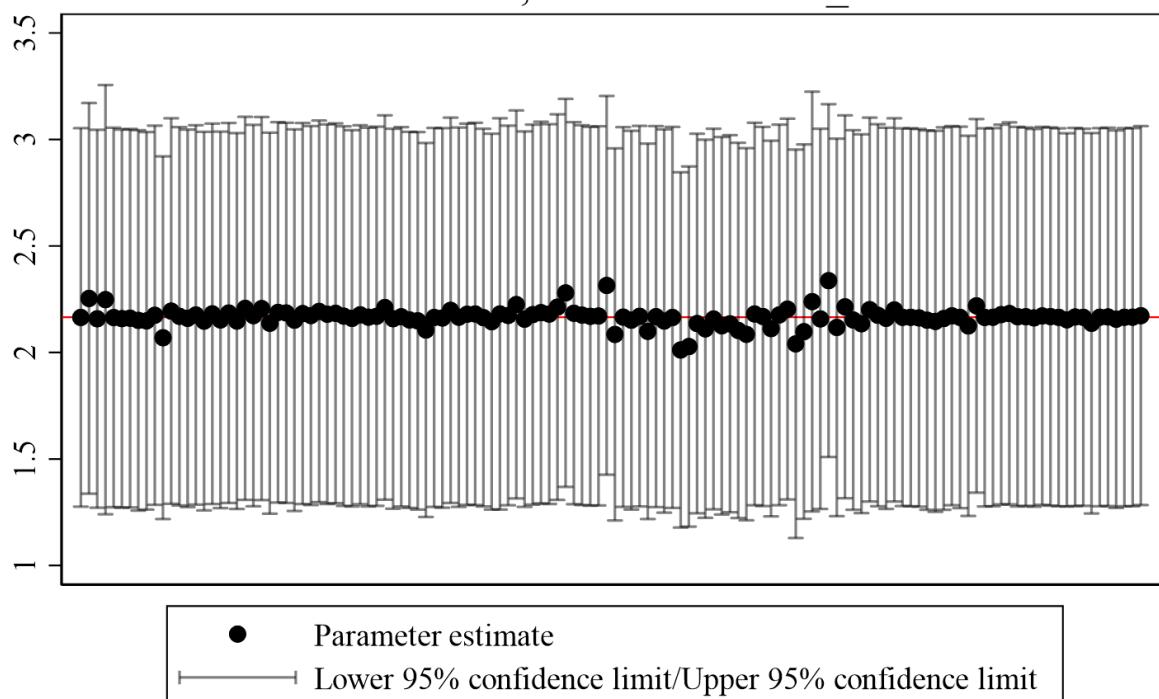
## 1.17 LOO Tests 2SLS

2SLS LOO, outcome cgoodman



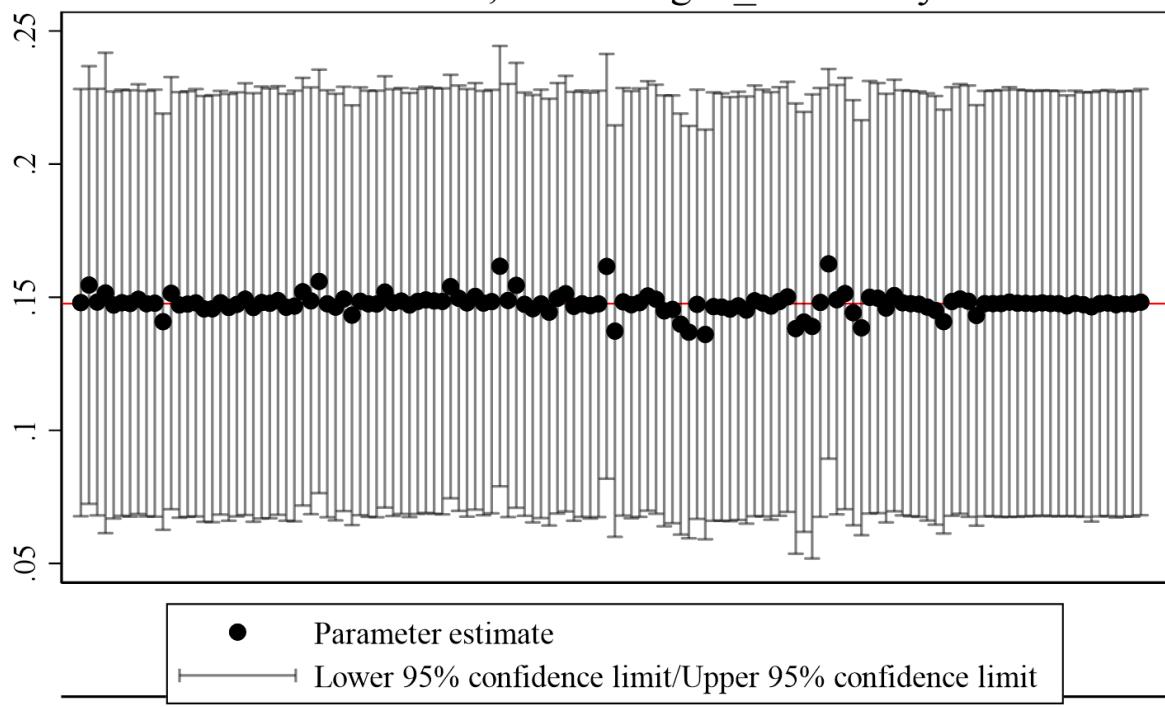
129 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

### 2SLS LOO, outcome schdist\_ind

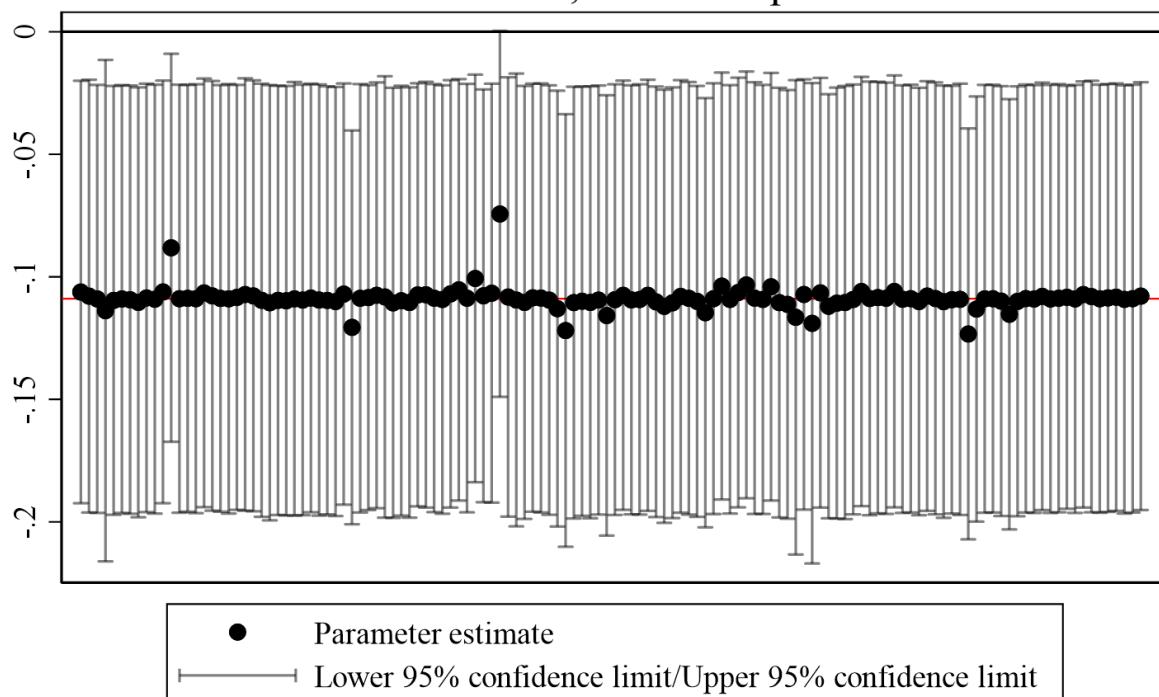


130 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

### 2SLS LOO, outcome gen\_subcounty



### 2SLS LOO, outcome spdist



129 out of 130 significant at the 0.05 level  
Red line indicates full sample point estimate

## 1.18 Stacked Tables with Lagged Instrument Control

Table 47: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|----------------------|---------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                      | 0.0263<br>(0.0496)  |                      |
| Percentage Point Change in Urban Black Population           |                     | 0.00140<br>(0.00266) |                     | 0.00380<br>(0.00710) |
| F-Stat  | 36.771              |                      |                     |                      |
| Observations  | 390                 | 260                  | 260                 | 260                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 48: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|----------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                      | 3.211***<br>(0.900) |                     |
| Percentage Point Change in Urban Black Population           |                     | 0.222***<br>(0.0539) |                     | 0.464***<br>(0.129) |
| F-Stat  | 36.771              |                      |                     |                     |
| Observations  | 390                 | 260                  | 260                 | 260                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 49: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|----------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                      | 0.173*<br>(0.101)   |                     |
| Percentage Point Change in Urban Black Population           |                     | 0.0110*<br>(0.00591) |                     | 0.0250*<br>(0.0144) |
| F-Stat  | 36.771              |                      |                     |                     |
| Observations  | 390                 | 260                  | 260                 | 260                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 50: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|----------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                      | -0.239<br>(0.162)   |                     |
| Percentage Point Change in Urban Black Population           |                     | -0.0138<br>(0.00893) |                     | -0.0346<br>(0.0253) |
| F-Stat  | 36.771              |                      |                     |                     |
| Observations  | 390                 | 260                  | 260                 | 260                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

## 1.19 Stacked Tables without Lagged Instrument Control

Table 51: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)              | Reduced Form<br>(3)   | 2SLS<br>(4)            |
|---|---------------------|-------------------------|-----------------------|------------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                         | 0.0565***<br>(0.0207) |                        |
| Percentage Point Change in Urban Black Population           |                     | 0.00546***<br>(0.00208) |                       | 0.0116***<br>(0.00386) |
| F-Stat  | 36.771              |                         |                       |                        |
| Observations  | 390                 | 390                     | 390                   | 390                    |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 52: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|----------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                      | 3.084***<br>(0.637) |                     |
| Percentage Point Change in Urban Black Population           |                     | 0.334***<br>(0.0537) |                     | 0.631***<br>(0.107) |
| F-Stat  | 36.771              |                      |                     |                     |
| Observations  | 390                 | 390                  | 390                 | 390                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 53: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)  | 2SLS<br>(4)            |
|---|---------------------|------------------------|----------------------|------------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                        | 0.198***<br>(0.0531) |                        |
| Percentage Point Change in Urban Black Population           |                     | 0.0204***<br>(0.00490) |                      | 0.0405***<br>(0.00929) |
| F-Stat  | 36.771              |                        |                      |                        |
| Observations  | 390                 | 390                    | 390                  | 390                    |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 54: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)              | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|-------------------------|---------------------|-----------------------|
| Predicted Percentage Point Change in Urban Black Population | 5.960***<br>(0.983) |                         | -0.128*<br>(0.0661) |                       |
| Percentage Point Change in Urban Black Population           |                     | -0.0208***<br>(0.00680) |                     | -0.0263**<br>(0.0122) |
| F-Stat  | 36.771              |                         |                     |                       |
| Observations  | 390                 | 390                     | 390                 | 390                   |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

## 1.20 Stacked Tables without Lagged Instrument Control, 1950-1970 only

Table 55: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|-----------------------|---------------------|-----------------------|
| Predicted Percentage Point Change in Urban Black Population | 10.52***<br>(1.158) |                       | 0.0663*<br>(0.0357) |                       |
| Percentage Point Change in Urban Black Population           |                     | 0.00396*<br>(0.00228) |                     | 0.00667*<br>(0.00352) |
| F-Stat  | 82.63800000000001   |                       |                     |                       |
| Observations  | 260                 | 260                   | 260                 | 260                   |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 56: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|----------------------|---------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 10.52***<br>(1.158) |                      | 4.025***<br>(0.740) |                      |
| Percentage Point Change in Urban Black Population           |                     | 0.281***<br>(0.0495) |                     | 0.405***<br>(0.0630) |
| F-Stat  | 82.63800000000001   |                      |                     |                      |
| Observations  | 260                 | 260                  | 260                 | 260                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 57: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3)  | 2SLS<br>(4)            |
|---|---------------------|------------------------|----------------------|------------------------|
| Predicted Percentage Point Change in Urban Black Population | 10.52***<br>(1.158) |                        | 0.241***<br>(0.0740) |                        |
| Percentage Point Change in Urban Black Population           |                     | 0.0160***<br>(0.00506) |                      | 0.0243***<br>(0.00697) |
| F-Stat  | 82.63800000000001   |                        |                      |                        |
| Observations  | 260                 | 260                    | 260                  | 260                    |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 58: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (urban) Pooled, controls, Urban Population

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)          |
|---|---------------------|------------------------|---------------------|----------------------|
| Predicted Percentage Point Change in Urban Black Population | 10.52***<br>(1.158) |                        | -0.233*<br>(0.119)  |                      |
| Percentage Point Change in Urban Black Population           |                     | -0.0154**<br>(0.00762) |                     | -0.0234*<br>(0.0124) |
| F-Stat  | 82.63800000000001   |                        |                     |                      |
| Observations  | 260                 | 260                    | 260                 | 260                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

## 2 Total Populations

### 2.1 GM\_hat on all covariates

|                      | 1940-1970 Pooled   | 1940-1950            | 1950-1960          | 1960-1970          | Stacked              |
|----------------------|--------------------|----------------------|--------------------|--------------------|----------------------|
| mfg_lfshare          | -0.00<br>(0.00)    | 0.03***<br>(0.01)    | 0.01***<br>(0.00)  | -0.00<br>(0.00)    | 0.01***<br>(0.00)    |
| blackmig3539         | 4.64***<br>(0.86)  | 1.31<br>(1.99)       | 4.42***<br>(0.34)  | 5.37***<br>(0.68)  | 3.40***<br>(0.94)    |
| frac_land            | 0.49<br>(0.28)     | 0.73<br>(0.50)       | 0.16<br>(0.14)     | 0.15<br>(0.23)     | 0.35<br>(0.26)       |
| transpo_cost_1920    | -0.00<br>(0.01)    | 0.00<br>(0.04)       | -0.00<br>(0.01)    | 0.01<br>(0.01)     | 0.00<br>(0.02)       |
| coastal              | -0.12<br>(0.10)    | -0.35*<br>(0.17)     | -0.06<br>(0.05)    | -0.09<br>(0.07)    | -0.17<br>(0.10)      |
| avg_precip           | -0.01*<br>(0.00)   | 0.00<br>(0.00)       | 0.00<br>(0.00)     | -0.00<br>(0.00)    | 0.00<br>(0.00)       |
| avg_temp             | -0.00<br>(0.00)    | -0.00<br>(0.00)      | -0.00<br>(0.00)    | -0.00<br>(0.00)    | -0.00<br>(0.00)      |
| n_wells              | -0.00<br>(0.00)    | -0.00<br>(0.00)      | -0.00<br>(0.00)    | -0.00*<br>(0.00)   | -0.00*<br>(0.00)     |
| totfrac_in_main_city | -0.25<br>(0.22)    | 0.24<br>(0.34)       | 0.16<br>(0.09)     | -0.20<br>(0.18)    | 0.07<br>(0.15)       |
| urbfrac_in_main_city | -0.00***<br>(0.00) | 0.00<br>(0.00)       | -0.00<br>(0.00)    | -0.00***<br>(0.00) | -0.00<br>(0.00)      |
| m_rr                 | 0.00*<br>(0.00)    | 0.00<br>(0.00)       | -0.00<br>(0.00)    | 0.00<br>(0.00)     | 0.00<br>(0.00)       |
| m_rr_sqm2            | 581.81<br>(947.24) | 1992.38<br>(1705.00) | 882.01<br>(504.70) | 508.58<br>(589.84) | 1247.53<br>(1059.41) |
| reg2                 | 0.10<br>(0.12)     | 0.51**<br>(0.18)     | 0.08<br>(0.05)     | 0.05<br>(0.09)     | 0.22**<br>(0.08)     |
| reg3                 | -0.26<br>(0.29)    | 0.54<br>(0.59)       | 0.12<br>(0.15)     | -0.35<br>(0.21)    | 0.14<br>(0.26)       |
| reg4                 | 0.29*<br>(0.13)    | -0.44<br>(0.24)      | -0.12*<br>(0.06)   | 0.14<br>(0.09)     | -0.16<br>(0.11)      |
| 1940.decade          |                    |                      |                    |                    | 0.00<br>(.)          |
| 1950.decade          |                    |                      |                    |                    | 0.17*<br>(0.08)      |
| 1960.decade          |                    |                      |                    |                    | 0.02<br>(0.08)       |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

## 2.2 Balance Table

|                                | 1940-1970 Pooled       | 1940-1950              | 1950-1960              | 1960-1970             | Stacked                 |
|--------------------------------|------------------------|------------------------|------------------------|-----------------------|-------------------------|
| mfg_lfshare on GM_hat          | 2.67<br>(1.58)         | 3.27**<br>(1.16)       | 4.58<br>(2.40)         | 1.68<br>(1.58)        | 2.91***<br>(0.88)       |
| blackmig3539 on GM_hat         | 0.14***<br>(0.01)      | 0.04<br>(0.03)         | 0.17***<br>(0.01)      | 0.14***<br>(0.01)     | 0.09***<br>(0.02)       |
| frac_land on GM_hat            | 0.09<br>(0.05)         | 0.06<br>(0.03)         | 0.18*<br>(0.09)        | 0.12<br>(0.08)        | 0.10**<br>(0.03)        |
| transpo_cost_1920 on GM_hat    | -0.24*<br>(0.09)       | -0.12<br>(0.10)        | -0.38***<br>(0.10)     | -0.35**<br>(0.12)     | -0.20**<br>(0.07)       |
| coastal on GM_hat              | 0.07<br>(0.05)         | 0.03<br>(0.03)         | 0.13<br>(0.07)         | 0.07<br>(0.07)        | 0.06*<br>(0.03)         |
| avg_precip on GM_hat           | 0.17<br>(1.10)         | 0.83<br>(0.82)         | 2.96<br>(1.99)         | 0.17<br>(1.26)        | 0.96<br>(0.73)          |
| avg_temp on GM_hat             | -3.12<br>(2.87)        | -1.24<br>(2.08)        | -1.11<br>(3.36)        | -2.95<br>(3.20)       | -1.71<br>(1.72)         |
| n_wells on GM_hat              | -12.51<br>(17.27)      | -27.29<br>(16.36)      | -11.95<br>(19.27)      | -19.48<br>(24.64)     | -20.27<br>(11.44)       |
| totfrac_in_main_city on GM_hat | 0.15*<br>(0.06)        | 0.11**<br>(0.04)       | 0.26**<br>(0.08)       | 0.16<br>(0.09)        | 0.14***<br>(0.03)       |
| urbfrac_in_main_city on GM_hat | -440.98<br>(491.09)    | 218.04<br>(232.03)     | -257.68<br>(277.43)    | -564.09<br>(640.93)   | -78.67<br>(185.11)      |
| m_rr on GM_hat                 | 4.7e+05*<br>(2.0e+05)  | 2.0e+05*<br>(99445.93) | 4.8e+05*<br>(2.2e+05)  | 5.1e+05<br>(2.8e+05)  | 3.1e+05**<br>(1.1e+05)  |
| m_rr_sqm2 on GM_hat            | 0.00*<br>(0.00)        | 0.00**<br>(0.00)       | 0.00**<br>(0.00)       | 0.00<br>(0.00)        | 0.00***<br>(0.00)       |
| popc1940 on GM_hat             | 2.1e+06**<br>(7.9e+05) | 1.0e+06*<br>(4.8e+05)  | 2.8e+06**<br>(1.0e+06) | 3.3e+06*<br>(1.3e+06) | 1.6e+06***<br>(4.6e+05) |
| pop1940 on GM_hat              | 1.4e+06*<br>(5.7e+05)  | 8.2e+05*<br>(3.4e+05)  | 2.2e+06**<br>(8.1e+05) | 1.6e+06<br>(8.4e+05)  | 1.2e+06***<br>(3.2e+05) |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

## 2.3 Regressions Robust to Balance Table Covariates

Table 59: Outcome variable cgoodman

|                              | Basic controls          |                   |                   |                  |                   | Robust controls         |                  |                   |                   |                 |
|------------------------------|-------------------------|-------------------|-------------------|------------------|-------------------|-------------------------|------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970 | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 2.87***<br>(0.97)       | 0.71***<br>(0.21) | 1.45***<br>(0.33) | 0.77<br>(0.53)   | 0.77***<br>(0.18) | 1.20***<br>(0.45)       | 0.25**<br>(0.12) | 1.23***<br>(0.39) | 0.68***<br>(0.23) | 0.11<br>(0.10)  |
| F-Stat                       | 8.81                    | 11.8              | 19.59             | 2.1              | 17.4              | 7.22                    | 4.33             | 9.77              | 9.09              | 1.43            |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_raw_pp_totpop             | -0.01<br>(0.01)         | -0.00<br>(0.01)   | -0.01<br>(0.01)   | -0.01<br>(0.01)  | -0.01<br>(0.01)   | 0.01<br>(0.02)          | 0.03<br>(0.02)   | 0.01<br>(0.02)    | -0.02**<br>(0.01) | 0.00<br>(0.01)  |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 0.07<br>(0.05)          | -0.00<br>(0.01)   | 0.01<br>(0.02)    | 0.06<br>(0.04)   | 0.02<br>(0.02)    | 0.16***<br>(0.05)       | 0.01<br>(0.02)   | -0.01<br>(0.04)   | 0.00<br>(0.02)    | 0.01<br>(0.01)  |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_raw_pp_totpop             | 0.02<br>(0.02)          | -0.00<br>(0.01)   | 0.01<br>(0.02)    | 0.08<br>(0.10)   | 0.03<br>(0.02)    | 0.13**<br>(0.06)        | 0.04<br>(0.06)   | -0.01<br>(0.03)   | 0.00<br>(0.03)    | 0.07<br>(0.10)  |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 60: Outcome variable schdist\_ind

|                              | Basic controls             |                   |                   |                   |                   | Robust controls            |                  |                   |                   |                    |
|------------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|----------------------------|------------------|-------------------|-------------------|--------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970  | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked    |
| <b>Panel A: First Stage</b>  |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_hat_raw_pp_totpop         | 2.87***<br>(0.97)          | 0.71***<br>(0.21) | 1.45***<br>(0.33) | 0.77<br>(0.53)    | 0.77***<br>(0.18) | 1.20***<br>(0.45)          | 0.25**<br>(0.12) | 1.23***<br>(0.39) | 0.68***<br>(0.23) | 0.11<br>(0.10)     |
| F-Stat                       | 8.81                       | 11.8              | 19.59             | 2.1               | 17.4              | 7.22                       | 4.33             | 9.77              | 9.09              | 1.43               |
| Observations                 | 449.00                     | 449.00            | 449.00            | 449.00            | 1347.00           | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel B: OLS</b>          |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_raw_pp_totpop             | 1.52***<br>(0.29)          | 1.53***<br>(0.22) | 2.01***<br>(0.30) | 0.87***<br>(0.29) | 1.30***<br>(0.27) | -0.74**<br>(0.28)          | -0.31<br>(0.35)  | 0.05<br>(0.38)    | 0.62***<br>(0.19) | -0.42***<br>(0.15) |
| Observations                 | 449.00                     | 449.00            | 449.00            | 449.00            | 1347.00           | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel C: Reduced Form</b> |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_hat_raw_pp_totpop         | 5.52***<br>(1.82)          | 1.20***<br>(0.43) | 3.79***<br>(1.02) | 1.39**<br>(0.71)  | 1.79***<br>(0.37) | -1.91<br>(1.45)            | -0.11<br>(0.36)  | 2.27***<br>(0.75) | 0.59<br>(0.40)    | 0.37*<br>(0.20)    |
| Observations                 | 449.00                     | 449.00            | 449.00            | 449.00            | 1347.00           | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel D: 2SLS</b>         |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_raw_pp_totpop             | 1.92***<br>(0.32)          | 1.68***<br>(0.36) | 2.60***<br>(0.53) | 1.81***<br>(0.65) | 2.32***<br>(0.32) | -1.59*<br>(0.90)           | -0.43<br>(1.40)  | 1.84**<br>(0.77)  | 0.86<br>(0.59)    | 3.27<br>(3.17)     |
| Observations                 | 449.00                     | 449.00            | 449.00            | 449.00            | 1347.00           | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 61: Outcome variable gen\_subcounty

|                              | Basic controls          |                   |                   |                  |                   | Robust controls         |                  |                   |                   |                 |
|------------------------------|-------------------------|-------------------|-------------------|------------------|-------------------|-------------------------|------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970 | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 2.87***<br>(0.97)       | 0.71***<br>(0.21) | 1.45***<br>(0.33) | 0.77<br>(0.53)   | 0.77***<br>(0.18) | 1.20***<br>(0.45)       | 0.25**<br>(0.12) | 1.23***<br>(0.39) | 0.68***<br>(0.23) | 0.11<br>(0.10)  |
| F-Stat                       | 8.81                    | 11.8              | 19.59             | 2.1              | 17.4              | 7.22                    | 4.33             | 9.77              | 9.09              | 1.43            |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_raw_pp_totpop             | 0.00<br>(0.02)          | 0.01<br>(0.02)    | -0.01<br>(0.02)   | -0.00<br>(0.01)  | -0.00<br>(0.01)   | -0.01<br>(0.03)         | 0.04<br>(0.03)   | -0.02<br>(0.03)   | -0.02<br>(0.02)   | -0.02<br>(0.02) |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 0.13**<br>(0.06)        | 0.00<br>(0.02)    | 0.04<br>(0.05)    | 0.07*<br>(0.04)  | 0.03<br>(0.02)    | 0.44***<br>(0.13)       | 0.04<br>(0.04)   | 0.05<br>(0.11)    | 0.09<br>(0.06)    | 0.03<br>(0.02)  |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                   |                  |                   |                         |                  |                   |                   |                 |
| GM_raw_pp_totpop             | 0.04<br>(0.03)          | 0.00<br>(0.03)    | 0.03<br>(0.03)    | 0.09<br>(0.10)   | 0.03<br>(0.03)    | 0.37**<br>(0.18)        | 0.16<br>(0.14)   | 0.04<br>(0.09)    | 0.13<br>(0.11)    | 0.23<br>(0.26)  |
| Observations                 | 449.00                  | 449.00            | 449.00            | 449.00           | 1347.00           | 130.00                  | 130.00           | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 62: Outcome variable spdist

|                              | Basic controls             |                    |                    |                    |                    | Robust controls            |                  |                   |                    |                  |
|------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|------------------|-------------------|--------------------|------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960   | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970   | (10)<br>Stacked  |
| <b>Panel A: First Stage</b>  |                            |                    |                    |                    |                    |                            |                  |                   |                    |                  |
| GM_hat_raw_pp_totpop         | 2.87***<br>(0.97)          | 0.71***<br>(0.21)  | 1.45***<br>(0.33)  | 0.77<br>(0.53)     | 0.77***<br>(0.18)  | 1.20***<br>(0.45)          | 0.25**<br>(0.12) | 1.23***<br>(0.39) | 0.68***<br>(0.23)  | 0.11<br>(0.10)   |
| F-Stat                       | 8.81                       | 11.8               | 19.59              | 2.1                | 17.4               | 7.22                       | 4.33             | 9.77              | 9.09               | 1.43             |
| Observations                 | 449.00                     | 449.00             | 449.00             | 449.00             | 1347.00            | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel B: OLS</b>          |                            |                    |                    |                    |                    |                            |                  |                   |                    |                  |
| GM_raw_pp_totpop             | -0.16***<br>(0.02)         | -0.15***<br>(0.03) | -0.18***<br>(0.04) | -0.14***<br>(0.04) | -0.15***<br>(0.02) | -0.09**<br>(0.04)          | -0.07*<br>(0.04) | -0.15*<br>(0.07)  | -0.15***<br>(0.03) | -0.05*<br>(0.03) |
| Observations                 | 449.00                     | 449.00             | 449.00             | 449.00             | 1347.00            | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel C: Reduced Form</b> |                            |                    |                    |                    |                    |                            |                  |                   |                    |                  |
| GM_hat_raw_pp_totpop         | -0.70***<br>(0.14)         | -0.13*<br>(0.07)   | -0.30***<br>(0.07) | -0.08<br>(0.14)    | -0.14**<br>(0.06)  | -0.13<br>(0.16)            | 0.03<br>(0.06)   | -0.15<br>(0.16)   | -0.12**<br>(0.06)  | 0.02<br>(0.03)   |
| Observations                 | 449.00                     | 449.00             | 449.00             | 449.00             | 1347.00            | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel D: 2SLS</b>         |                            |                    |                    |                    |                    |                            |                  |                   |                    |                  |
| GM_raw_pp_totpop             | -0.24***<br>(0.06)         | -0.18**<br>(0.09)  | -0.21***<br>(0.06) | -0.10<br>(0.13)    | -0.18***<br>(0.06) | -0.11<br>(0.12)            | 0.12<br>(0.27)   | -0.12<br>(0.13)   | -0.18*<br>(0.09)   | 0.14<br>(0.26)   |
| Observations                 | 449.00                     | 449.00             | 449.00             | 449.00             | 1347.00            | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

## 2.4 Stacked Tables with Lagged Instrument Control

Table 63: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)       |
|---|---------------------|------------------------|---------------------|-------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                        | 0.0502<br>(0.0376)  |                   |
| Percentage Point Change in Total Black Population           |                     | -0.0180**<br>(0.00888) |                     | 0.0947<br>(0.135) |
| F-Stat  | 14.681              |                        |                     |                   |
| Observations  | 1347                | 898                    | 898                 | 898               |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 64: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                     | 1.867**<br>(0.855)  |                     |
| Percentage Point Change in Total Black Population           |                     | 1.035***<br>(0.374) |                     | 3.519***<br>(1.309) |
| F-Stat  | 14.681              |                     |                     |                     |
| Observations  | 1347                | 898                 | 898                 | 898                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 65: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3)  | 2SLS<br>(4)      |
|---|---------------------|---------------------|----------------------|------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                     | 0.0714**<br>(0.0327) |                  |
| Percentage Point Change in Total Black Population           |                     | -0.0171<br>(0.0147) |                      | 0.135<br>(0.144) |
| F-Stat  | 14.681              |                     |                      |                  |
| Observations  | 1347                | 898                 | 898                  | 898              |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 66: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|-----------------------|---------------------|--------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                       | -0.130<br>(0.145)   |                    |
| Percentage Point Change in Total Black Population           |                     | -0.163***<br>(0.0361) |                     | -0.245*<br>(0.142) |
| F-Stat  | 14.681              |                       |                     |                    |
| Observations  | 1347                | 898                   | 898                 | 898                |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

## 2.5 Stacked Tables without Lagged Instrument Control

Table 67: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|-----------------------|---------------------|--------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                       | 0.0193<br>(0.0151)  |                    |
| Percentage Point Change in Total Black Population           |                     | -0.00725<br>(0.00524) |                     | 0.0251<br>(0.0230) |
| F-Stat  | 14.681              |                       |                     |                    |
| Observations  | 1347                | 1347                  | 1347                | 1347               |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 68: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                     | 1.787***<br>(0.370) |                     |
| Percentage Point Change in Total Black Population           |                     | 1.298***<br>(0.270) |                     | 2.323***<br>(0.321) |
| F-Stat  | 14.681              |                     |                     |                     |
| Observations  | 1347                | 1347                | 1347                | 1347                |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 69: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)             | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|------------------------|---------------------|--------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                        | 0.0251<br>(0.0186)  |                    |
| Percentage Point Change in Total Black Population           |                     | -0.000501<br>(0.00964) |                     | 0.0327<br>(0.0261) |
| F-Stat  | 14.681              |                        |                     |                    |
| Observations  | 1347                | 1347                   | 1347                | 1347               |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 70: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3)  | 2SLS<br>(4)           |
|---|---------------------|-----------------------|----------------------|-----------------------|
| Predicted Percentage Point Change in Total Black Population | 0.682***<br>(0.178) |                       | -0.137**<br>(0.0591) |                       |
| Percentage Point Change in Total Black Population           |                     | -0.153***<br>(0.0227) |                      | -0.178***<br>(0.0599) |
| F-Stat  | 14.681              |                       |                      |                       |
| Observations  | 1347                | 1347                  | 1347                 | 1347                  |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

## 2.6 Stacked Tables without Lagged Instrument Control, 1950-1970 only

Table 71: Dererencourt Table Two with y=New Earliest Year of Municipal Incorporation, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|-----------------------|---------------------|--------------------|
| Predicted Percentage Point Change in Total Black Population | 0.935***<br>(0.321) |                       | 0.0379<br>(0.0286)  |                    |
| Percentage Point Change in Total Black Population           |                     | -0.00963<br>(0.00615) |                     | 0.0362<br>(0.0374) |
| F-Stat  | 8.474               |                       |                     |                    |
| Observations  | 898                 | 898                   | 898                 | 898                |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 72: Dererencourt Table Two with y=New Number of Independent School Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)          | Reduced Form<br>(3) | 2SLS<br>(4)         |
|---|---------------------|---------------------|---------------------|---------------------|
| Predicted Percentage Point Change in Total Black Population | 0.935***<br>(0.321) |                     | 2.486***<br>(0.716) |                     |
| Percentage Point Change in Total Black Population           |                     | 1.266***<br>(0.358) |                     | 2.376***<br>(0.428) |
| F-Stat  | 8.474               |                     |                     |                     |
| Observations  | 898                 | 898                 | 898                 | 898                 |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 73: Dererencourt Table Two with y=New Number of Subcounty Govts (town, twp, muni), P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)           | Reduced Form<br>(3) | 2SLS<br>(4)        |
|---|---------------------|----------------------|---------------------|--------------------|
| Predicted Percentage Point Change in Total Black Population | 0.935***<br>(0.321) |                      | 0.0541*<br>(0.0283) |                    |
| Percentage Point Change in Total Black Population           |                     | -0.00712<br>(0.0131) |                     | 0.0517<br>(0.0382) |
| F-Stat  | 8.474               |                      |                     |                    |
| Observations  | 898                 | 898                  | 898                 | 898                |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

Table 74: Dererencourt Table Two with y=New Number of Special Purpose Districts, P.C. (total) Pooled, controls, Total Population

|   | First Stage<br>(1)  | OLS<br>(2)            | Reduced Form<br>(3) | 2SLS<br>(4)           |
|---|---------------------|-----------------------|---------------------|-----------------------|
| Predicted Percentage Point Change in Total Black Population | 0.935***<br>(0.321) |                       | -0.181*<br>(0.109)  |                       |
| Percentage Point Change in Total Black Population           |                     | -0.160***<br>(0.0308) |                     | -0.173***<br>(0.0673) |
| F-Stat  | 8.474               |                       |                     |                       |
| Observations  | 898                 | 898                   | 898                 | 898                   |

Standard errors in parentheses

\* p<0.10, \*\* p<0.05, \*\*\* p<0.01

### 3 Total Populations, Dcourt sample

#### 3.1 GM\_hat on all covariates

|                      | 1940-1970 Pooled     | 1940-1950            | 1950-1960           | 1960-1970          | Stacked             |
|----------------------|----------------------|----------------------|---------------------|--------------------|---------------------|
| mfg_lfshare          | 0.00<br>(0.00)       | 0.04**<br>(0.01)     | 0.01*<br>(0.00)     | 0.00<br>(0.00)     | 0.02***<br>(0.01)   |
| blackmig3539         | 2.98***<br>(0.83)    | -0.91<br>(2.57)      | 4.29***<br>(0.80)   | 2.96*<br>(1.14)    | 1.10<br>(1.70)      |
| frac_land            | 0.50<br>(0.35)       | -0.20<br>(0.68)      | -0.09<br>(0.18)     | 0.29<br>(0.28)     | 0.05<br>(0.33)      |
| transpo_cost_1920    | 0.00<br>(0.04)       | -0.02<br>(0.09)      | -0.01<br>(0.03)     | 0.02<br>(0.02)     | -0.00<br>(0.05)     |
| coastal              | -0.16<br>(0.08)      | -0.16<br>(0.26)      | -0.02<br>(0.07)     | -0.14*<br>(0.05)   | -0.10<br>(0.13)     |
| avg_precip           | -0.01*<br>(0.00)     | 0.00<br>(0.01)       | 0.00<br>(0.00)      | -0.00<br>(0.00)    | 0.00<br>(0.00)      |
| avg_temp             | -0.00<br>(0.00)      | -0.00<br>(0.01)      | -0.00<br>(0.00)     | 0.00<br>(0.00)     | -0.00<br>(0.00)     |
| n_wells              | -0.00**<br>(0.00)    | -0.00<br>(0.00)      | -0.00<br>(0.00)     | -0.00***<br>(0.00) | -0.00<br>(0.00)     |
| totfrac_in_main_city | 0.55<br>(0.37)       | 2.09*<br>(0.88)      | 0.50*<br>(0.25)     | 0.36<br>(0.23)     | 1.15**<br>(0.43)    |
| urbfrac_in_main_city | -0.43<br>(0.25)      | -0.24<br>(0.46)      | -0.05<br>(0.14)     | -0.22<br>(0.18)    | -0.15<br>(0.18)     |
| m_rr                 | 0.00**<br>(0.00)     | 0.00<br>(0.00)       | -0.00<br>(0.00)     | 0.00**<br>(0.00)   | 0.00<br>(0.00)      |
| m_rr_sqm2            | -137.29<br>(1073.84) | 1527.84<br>(2182.88) | 1004.55<br>(647.90) | 61.66<br>(692.19)  | 753.76<br>(1254.68) |
| reg2                 | 0.18<br>(0.12)       | 0.42<br>(0.22)       | 0.03<br>(0.07)      | 0.15<br>(0.08)     | 0.24**<br>(0.09)    |
| reg3                 | 0.05<br>(0.39)       | 0.36<br>(0.70)       | 0.11<br>(0.17)      | 0.05<br>(0.30)     | 0.30<br>(0.33)      |
| reg4                 | 0.32<br>(0.24)       | -0.60<br>(0.48)      | -0.19<br>(0.13)     | 0.10<br>(0.13)     | -0.21<br>(0.26)     |
| 1940.decade          |                      |                      |                     |                    | 0.00<br>(.)         |
| 1950.decade          |                      |                      |                     |                    | 0.08<br>(0.09)      |
| 1960.decade          |                      |                      |                     |                    | -0.14<br>(0.10)     |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

### 3.2 Balance Table

|                                | 1940-1970 Pooled       | 1940-1950             | 1950-1960              | 1960-1970              | Stacked                 |
|--------------------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| mfg_lfshare on GM_hat          | 2.77<br>(1.83)         | 3.15*<br>(1.27)       | 2.98<br>(2.85)         | 2.12<br>(2.64)         | 2.61**<br>(1.00)        |
| blackmig3539 on GM_hat         | 0.14***<br>(0.02)      | 0.04<br>(0.03)        | 0.16***<br>(0.01)      | 0.14***<br>(0.02)      | 0.07*<br>(0.03)         |
| frac_land on GM_hat            | 0.16<br>(0.09)         | 0.09<br>(0.05)        | 0.26*<br>(0.12)        | 0.28<br>(0.14)         | 0.14**<br>(0.05)        |
| transpo_cost_1920 on GM_hat    | -0.21*<br>(0.11)       | -0.13<br>(0.09)       | -0.36*<br>(0.15)       | -0.37*<br>(0.15)       | -0.19**<br>(0.06)       |
| coastal on GM_hat              | 0.13<br>(0.07)         | 0.07<br>(0.03)        | 0.20*<br>(0.09)        | 0.19<br>(0.11)         | 0.10**<br>(0.04)        |
| avg_precip on GM_hat           | 0.73<br>(1.97)         | 1.22<br>(1.26)        | 4.56<br>(2.70)         | 1.02<br>(2.96)         | 1.59<br>(1.12)          |
| avg_temp on GM_hat             | -5.61<br>(4.66)        | -2.63<br>(2.85)       | -2.77<br>(4.67)        | -7.76<br>(7.19)        | -3.14<br>(2.42)         |
| n_wells on GM_hat              | -56.10<br>(29.73)      | -20.55<br>(16.82)     | -25.35<br>(28.18)      | -98.89<br>(52.28)      | -30.00*<br>(14.78)      |
| totfrac_in_main_city on GM_hat | 0.22**<br>(0.07)       | 0.13**<br>(0.05)      | 0.32***<br>(0.08)      | 0.35**<br>(0.11)       | 0.18***<br>(0.04)       |
| urbfrac_in_main_city on GM_hat | 0.04<br>(0.05)         | 0.02<br>(0.03)        | 0.10<br>(0.07)         | 0.08<br>(0.08)         | 0.04<br>(0.03)          |
| m_rr on GM_hat                 | 6.8e+05**<br>(2.3e+05) | 2.1e+05<br>(1.1e+05)  | 5.1e+05<br>(2.9e+05)   | 1.0e+06*<br>(4.1e+05)  | 3.6e+05*<br>(1.5e+05)   |
| m_rr_sqm2 on GM_hat            | 0.00<br>(0.00)         | 0.00*<br>(0.00)       | 0.00**<br>(0.00)       | 0.00<br>(0.00)         | 0.00**<br>(0.00)        |
| popc1940 on GM_hat             | 2.1e+06**<br>(7.9e+05) | 1.0e+06*<br>(4.8e+05) | 2.8e+06**<br>(1.0e+06) | 3.3e+06*<br>(1.3e+06)  | 1.6e+06***<br>(4.6e+05) |
| pop1940 on GM_hat              | 2.4e+06**<br>(8.0e+05) | 1.2e+06*<br>(5.0e+05) | 3.2e+06**<br>(9.9e+05) | 3.8e+06**<br>(1.3e+06) | 1.8e+06***<br>(4.8e+05) |

Standard errors in parentheses

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

### 3.3 Regressions Robust to Balance Table Covariates

Table 75: Outcome variable cgoodman

|                              | Basic controls             |                   |                   |                   |                   | Robust controls            |                  |                   |                   |                 |
|------------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|----------------------------|------------------|-------------------|-------------------|-----------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970  | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                            |                   |                   |                   |                   |                            |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 4.67***<br>(1.07)          | 0.98***<br>(0.28) | 1.90***<br>(0.32) | 2.68***<br>(0.79) | 1.14***<br>(0.26) | 1.70***<br>(0.65)          | 0.25**<br>(0.12) | 1.18***<br>(0.38) | 0.61**<br>(0.26)  | 0.11<br>(0.10)  |
| F-Stat                       | 18.96                      | 12.6              | 36.2              | 11.64             | 19.81             | 6.88                       | 4.49             | 9.59              | 5.63              | 1.43            |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel B: OLS</b>          |                            |                   |                   |                   |                   |                            |                  |                   |                   |                 |
| GM_raw_pp_totpop             | 0.02***<br>(0.01)          | 0.02**<br>(0.01)  | 0.02**<br>(0.01)  | 0.00<br>(0.00)    | 0.01**<br>(0.01)  | 0.01<br>(0.02)             | 0.03<br>(0.02)   | 0.01<br>(0.02)    | -0.02**<br>(0.01) | 0.00<br>(0.01)  |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel C: Reduced Form</b> |                            |                   |                   |                   |                   |                            |                  |                   |                   |                 |
| GM_hat_raw_pp_totpop         | 0.13***<br>(0.03)          | 0.02<br>(0.01)    | 0.04*<br>(0.02)   | 0.03<br>(0.02)    | 0.03***<br>(0.01) | 0.14***<br>(0.05)          | 0.01<br>(0.02)   | -0.02<br>(0.04)   | 0.00<br>(0.03)    | 0.01<br>(0.01)  |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00          |
| <b>Panel D: 2SLS</b>         |                            |                   |                   |                   |                   |                            |                  |                   |                   |                 |
| GM_raw_pp_totpop             | 0.03***<br>(0.01)          | 0.02*<br>(0.01)   | 0.02**<br>(0.01)  | 0.01**<br>(0.01)  | 0.02***<br>(0.01) | 0.08**<br>(0.04)           | 0.04<br>(0.06)   | -0.02<br>(0.03)   | 0.00<br>(0.04)    | 0.07<br>(0.10)  |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 76: Outcome variable schdist\_ind

|                              | Basic controls             |                   |                   |                   |                   | Robust controls            |                  |                   |                   |                    |
|------------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|----------------------------|------------------|-------------------|-------------------|--------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970  | (5)<br>Stacked    | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970  | (10)<br>Stacked    |
| <b>Panel A: First Stage</b>  |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_hat_raw_pp_totpop         | 4.67***<br>(1.07)          | 0.98***<br>(0.28) | 1.90***<br>(0.32) | 2.68***<br>(0.79) | 1.14***<br>(0.26) | 1.70***<br>(0.65)          | 0.25**<br>(0.12) | 1.18***<br>(0.38) | 0.61**<br>(0.26)  | 0.11<br>(0.10)     |
| F-Stat                       | 18.96                      | 12.6              | 36.2              | 11.64             | 19.81             | 6.88                       | 4.49             | 9.59              | 5.63              | 1.43               |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel B: OLS</b>          |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_raw_pp_totpop             | 0.90***<br>(0.20)          | 1.07***<br>(0.22) | 1.17***<br>(0.23) | 0.41***<br>(0.13) | 0.74***<br>(0.19) | 0.10<br>(0.30)             | -0.35<br>(0.36)  | 0.15<br>(0.38)    | 0.57***<br>(0.18) | -0.42***<br>(0.15) |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel C: Reduced Form</b> |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_hat_raw_pp_totpop         | 5.12***<br>(1.13)          | 1.43***<br>(0.52) | 3.41***<br>(0.65) | 1.60***<br>(0.32) | 1.66***<br>(0.38) | 0.27<br>(1.35)             | -0.12<br>(0.36)  | 1.96**<br>(0.76)  | 0.20<br>(0.32)    | 0.37*<br>(0.20)    |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |
| <b>Panel D: 2SLS</b>         |                            |                   |                   |                   |                   |                            |                  |                   |                   |                    |
| GM_raw_pp_totpop             | 1.10***<br>(0.22)          | 1.46***<br>(0.35) | 1.79***<br>(0.42) | 0.60***<br>(0.17) | 1.45***<br>(0.23) | 0.16<br>(0.76)             | -0.48<br>(1.41)  | 1.66**<br>(0.79)  | 0.32<br>(0.51)    | 3.27<br>(3.17)     |
| Observations                 | 130.00                     | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                     | 130.00           | 130.00            | 130.00            | 390.00             |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 77: Outcome variable gen\_subcounty

|                              | Basic controls          |                   |                   |                   |                   | Robust controls         |                  |                   |                  |                 |
|------------------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|------------------|-------------------|------------------|-----------------|
|                              | (1)<br>1940-1970 Pooled | (2)<br>1940-1950  | (3)<br>1950-1960  | (4)<br>1960-1970  | (5)<br>Stacked    | (6)<br>1940-1970 Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970 | (10)<br>Stacked |
| <b>Panel A: First Stage</b>  |                         |                   |                   |                   |                   |                         |                  |                   |                  |                 |
| GM_hat_raw_pp_totpop         | 4.67***<br>(1.07)       | 0.98***<br>(0.28) | 1.90***<br>(0.32) | 2.68***<br>(0.79) | 1.14***<br>(0.26) | 1.70***<br>(0.65)       | 0.25**<br>(0.12) | 1.18***<br>(0.38) | 0.61**<br>(0.26) | 0.11<br>(0.10)  |
| F-Stat                       | 18.96                   | 12.6              | 36.2              | 11.64             | 19.81             | 6.88                    | 4.49             | 9.59              | 5.63             | 1.43            |
| Observations                 | 130.00                  | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                  | 130.00           | 130.00            | 130.00           | 390.00          |
| <b>Panel B: OLS</b>          |                         |                   |                   |                   |                   |                         |                  |                   |                  |                 |
| GM_raw_pp_totpop             | 0.07***<br>(0.01)       | 0.07***<br>(0.02) | 0.07***<br>(0.02) | 0.03***<br>(0.01) | 0.05***<br>(0.01) | -0.01<br>(0.02)         | 0.04<br>(0.03)   | -0.02<br>(0.03)   | -0.02<br>(0.02)  | -0.02<br>(0.02) |
| Observations                 | 130.00                  | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                  | 130.00           | 130.00            | 130.00           | 390.00          |
| <b>Panel C: Reduced Form</b> |                         |                   |                   |                   |                   |                         |                  |                   |                  |                 |
| GM_hat_raw_pp_totpop         | 0.48***<br>(0.08)       | 0.09**<br>(0.04)  | 0.19***<br>(0.05) | 0.18***<br>(0.04) | 0.11***<br>(0.03) | 0.37***<br>(0.12)       | 0.04<br>(0.04)   | 0.05<br>(0.11)    | 0.10<br>(0.07)   | 0.03<br>(0.02)  |
| Observations                 | 130.00                  | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                  | 130.00           | 130.00            | 130.00           | 390.00          |
| <b>Panel D: 2SLS</b>         |                         |                   |                   |                   |                   |                         |                  |                   |                  |                 |
| GM_raw_pp_totpop             | 0.10***<br>(0.02)       | 0.09***<br>(0.03) | 0.10***<br>(0.02) | 0.07***<br>(0.02) | 0.09***<br>(0.02) | 0.22*<br>(0.12)         | 0.16<br>(0.14)   | 0.04<br>(0.10)    | 0.16<br>(0.14)   | 0.23<br>(0.26)  |
| Observations                 | 130.00                  | 130.00            | 130.00            | 130.00            | 390.00            | 130.00                  | 130.00           | 130.00            | 130.00           | 390.00          |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table 78: Outcome variable spdist

|                              | Basic controls             |                    |                   |                    |                    | Robust controls            |                  |                   |                    |                  |
|------------------------------|----------------------------|--------------------|-------------------|--------------------|--------------------|----------------------------|------------------|-------------------|--------------------|------------------|
|                              | (1)<br>1940-1970<br>Pooled | (2)<br>1940-1950   | (3)<br>1950-1960  | (4)<br>1960-1970   | (5)<br>Stacked     | (6)<br>1940-1970<br>Pooled | (7)<br>1940-1950 | (8)<br>1950-1960  | (9)<br>1960-1970   | (10)<br>Stacked  |
| <b>Panel A: First Stage</b>  |                            |                    |                   |                    |                    |                            |                  |                   |                    |                  |
| GM_hat_raw_pp_totpop         | 4.67***<br>(1.07)          | 0.98***<br>(0.28)  | 1.90***<br>(0.32) | 2.68***<br>(0.79)  | 1.14***<br>(0.26)  | 1.70***<br>(0.65)          | 0.25**<br>(0.12) | 1.18***<br>(0.38) | 0.61**<br>(0.26)   | 0.11<br>(0.10)   |
| F-Stat                       | 18.96                      | 12.6               | 36.2              | 11.64              | 19.81              | 6.88                       | 4.49             | 9.59              | 5.63               | 1.43             |
| Observations                 | 130.00                     | 130.00             | 130.00            | 130.00             | 390.00             | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel B: OLS</b>          |                            |                    |                   |                    |                    |                            |                  |                   |                    |                  |
| GM_raw_pp_totpop             | -0.08***<br>(0.02)         | -0.07***<br>(0.02) | -0.12**<br>(0.05) | -0.05***<br>(0.02) | -0.07***<br>(0.02) | -0.10***<br>(0.03)         | -0.07*<br>(0.04) | -0.16**<br>(0.08) | -0.16***<br>(0.03) | -0.05*<br>(0.03) |
| Observations                 | 130.00                     | 130.00             | 130.00            | 130.00             | 390.00             | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel C: Reduced Form</b> |                            |                    |                   |                    |                    |                            |                  |                   |                    |                  |
| GM_hat_raw_pp_totpop         | -0.40***<br>(0.11)         | -0.03<br>(0.05)    | -0.17*<br>(0.10)  | -0.13**<br>(0.05)  | -0.06<br>(0.04)    | -0.27*<br>(0.14)           | 0.03<br>(0.06)   | -0.13<br>(0.16)   | -0.15*<br>(0.08)   | 0.02<br>(0.03)   |
| Observations                 | 130.00                     | 130.00             | 130.00            | 130.00             | 390.00             | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |
| <b>Panel D: 2SLS</b>         |                            |                    |                   |                    |                    |                            |                  |                   |                    |                  |
| GM_raw_pp_totpop             | -0.09***<br>(0.02)         | -0.03<br>(0.05)    | -0.09*<br>(0.05)  | -0.05**<br>(0.02)  | -0.05*<br>(0.03)   | -0.16*<br>(0.08)           | 0.13<br>(0.27)   | -0.11<br>(0.14)   | -0.24*<br>(0.14)   | 0.14<br>(0.26)   |
| Observations                 | 130.00                     | 130.00             | 130.00            | 130.00             | 390.00             | 130.00                     | 130.00           | 130.00            | 130.00             | 390.00           |

Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding balance table.  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$