# Simple Tables for Municipality Proliferation

July 14, 2023

## Contents



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# 1 Urban Populations

## 1.1 GM_hat on all covariates

| | 1940-1970 Pooled | 1940-1950 | 1950-1960 | 1960-1970 | Stacked |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pcc | 0.16 | 0.12* | 0.04* | 0.01 | 0.06* |
| | (0.09) | (0.06) | (0.02) | (0.03) | (0.02) |
| b_schdist_ind_cz1940_pcc | -0.00 | -0.01 | -0.00 | 0.00* | -0.00 |
| | (0.01) | (0.00) | (0.00) | (0.00) | (0.00) |
| b_gen_subcounty_cz1940_pcc | 0.00 | 0.00 | 0.00 | -0.00 | -0.00 |
| | (0.02) | (0.02) | (0.00) | (0.01) | (0.01) |
| b_spdist_cz1940_pcc | 0.11** | 0.06* | 0.02* | 0.03* | 0.04** |
| | (0.04) | (0.03) | (0.01) | (0.01) | (0.01) |
| mfg_lfshare | 0.06*** | 0.03* | 0.01** | 0.02** | 0.03** |
| | (0.01) | (0.01) | (0.00) | (0.01) | (0.01) |
| blackmig3539 | 9.48*** | 3.13* | 4.41*** | 2.36*** | 2.96*** |
| | (1.78) | (1.49) | (0.35) | (0.64) | (0.82) |
| frac_land | -1.65 | -2.21* | -0.44 | 0.41 | -0.48 |
| | (1.24) | (0.98) | (0.31) | (0.39) | (0.57) |
| transpo_cost_1920 | -0.02 | 0.05 | 0.01 | -0.02 | 0.00 |
| | (0.17) | (0.15) | (0.04) | (0.03) | (0.06) |
| coastal | -0.52 | -0.33 | -0.06 | -0.16 | -0.15 |
| | (0.42) | (0.35) | (0.09) | (0.08) | (0.17) |
| avg_precip | -0.00 | 0.01 | 0.00 | -0.01 | 0.00 |
| | (0.01) | (0.01) | (0.00) | (0.00) | (0.00) |
| avg_temp | -0.00 | -0.00 | -0.00 | 0.00 | 0.00 |
| | (0.01) | (0.01) | (0.00) | (0.00) | (0.00) |
| n_wells | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| totfrac_in_main_city | 6.76** | 4.38* | 1.19* | 1.62* | 2.19** |
| | (2.38) | (1.74) | (0.60) | (0.71) | (0.70) |
| urbfrac_in_main_city | -3.09* | -1.81 | -0.42 | -0.96* | -0.91* |
| | (1.50) | (1.10) | (0.37) | (0.41) | (0.41) |
| m_rr | 0.00 | -0.00 | -0.00 | 0.00*** | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| m_rr_sqm2 | 4749.70 | 4089.11 | 1922.99* | -814.34 | 987.61 |
| | (4697.91) | (3115.64) | (930.75) | (1332.27) | (2135.25) |
| reg2 | 0.35 | 0.26 | 0.06 | 0.04 | 0.20 |
| | (0.46) | (0.35) | (0.12) | (0.13) | (0.14) |
| reg3 | 0.58 | 0.06 | 0.10 | 0.06 | 0.36 |
| | (1.47) | (1.00) | (0.24) | (0.63) | (0.47) |
| reg4 | -0.97 | -1.75** | -0.28 | 0.55** | -0.36 |
| | (0.73) | (0.66) | (0.17) | (0.18) | (0.41) |
| 1940.decade | | | | | 0.00 |
| | | | | | (.) |
| 1950.decade | | | | | 0.10 |
| | | | | | (0.14) |
| 1960.decade | | | | | -0.16 |
| | | | | | (0.15) |

Standard errors in parentheses

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

## 1.2 Individual covariates on GM_hat

| | 1940-1970 Pooled | 1940-1950 | 1950-1960 | 1960-1970 | Stacked |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pcc on GM_hat | -0.48*** | -0.74*** | -1.50*** | -1.66*** | -0.88*** |
| | (0.11) | (0.19) | (0.35) | (0.39) | (0.17) |
| b_schdist_ind_cz1940_pcc on GM_hat | -4.86*** | -8.36*** | -16.88*** | -14.02*** | -9.12*** |
| | (1.03) | (1.87) | (3.45) | (3.78) | (1.71) |
| b_gen_subcounty_cz1940_pcc on GM_hat | -1.50*** | -2.40*** | -4.70*** | -5.08*** | -2.79*** |
| | (0.30) | (0.55) | (0.98) | (1.05) | (0.50) |
| b_spdist_cz1940_pcc on GM_hat | -0.18* | -0.22 | -0.66** | -0.71 | -0.33* |
| | (0.07) | (0.16) | (0.24) | (0.36) | (0.17) |
| mfg_lfshare on GM_hat | 0.56 | 1.60 | 0.39 | 1.34 | 1.15 |
| | (0.65) | (1.19) | (1.97) | (1.59) | (0.81) |
| blackmig3539 on GM_hat | 0.06*** | 0.07* | 0.18*** | 0.14*** | 0.08*** |
| | (0.01) | (0.03) | (0.01) | (0.02) | (0.02) |
| frac_land on GM_hat | 0.04 | 0.06 | 0.16* | 0.16* | 0.08** |
| | (0.02) | (0.03) | (0.08) | (0.08) | (0.03) |
| transpo_cost_1920 on GM_hat | -0.08* | -0.14 | -0.27* | -0.24* | -0.15** |
| | (0.03) | (0.08) | (0.11) | (0.12) | (0.05) |
| coastal on GM_hat | 0.03* | 0.02 | 0.11* | 0.11 | 0.05 |
| | (0.01) | (0.03) | (0.05) | (0.06) | (0.03) |
| avg_precip on GM_hat | 0.55 | 1.14 | 2.73 | -0.06 | 0.97 |
| | (0.54) | (0.98) | (1.86) | (1.75) | (0.78) |
| avg_temp on GM_hat | -1.27 | -1.15 | -2.54 | -6.19 | -2.05 |
| | (1.24) | (2.67) | (3.46) | (5.06) | (2.17) |
| n_wells on GM_hat | -12.20 | -20.12 | -18.36 | -71.76 | -24.48* |
| | (7.01) | (13.21) | (19.05) | (42.38) | (11.77) |
| totfrac_in_main_city on GM_hat | 0.06** | 0.08** | 0.18** | 0.19** | 0.10*** |
| | (0.02) | (0.03) | (0.07) | (0.07) | (0.03) |
| urbfrac_in_main_city on GM_hat | 0.02 | 0.03 | 0.09 | 0.05 | 0.04* |
| | (0.02) | (0.02) | (0.05) | (0.05) | (0.02) |
| m_rr on GM_hat | 1.2e+05* | 83064.97 | 3.1e+05 | 7.7e+05** | 2.2e+05 |
| | (52356.24) | (99869.56) | (1.8e+05) | (2.7e+05) | (1.3e+05) |
| m_rr_sqm2 on GM_hat | 0.00 | 0.00 | 0.00 | 0.00 | 0.00* |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |

Standard errors in parentheses

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

## 1.3 Regressions

Table 1: Outcome variable cgoodman

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp | 3.04*** | 3.24*** | 10.28*** | 13.38*** | 4.88*** | 2.92*** | 1.62*** | 9.75*** | 4.78** | 0.59 |
| | (0.31) | (0.52) | (0.86) | (1.56) | (0.92) | (0.47) | (0.29) | (2.09) | (2.10) | (0.69) |
| F-Stat | 96.39 | 39.29 | 143.5 | 73.59999999999999 | 28.25 | 37.93 | 31.96 | 21.72 | 5.18 | .72 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp | 0.02** | 0.02*** | 0.01* | 0.00 | 0.01*** | 0.01 | 0.01 | 0.01* | 0.00 | 0.00 |
| | (0.01) | (0.01) | (0.00) | (0.00) | (0.00) | (0.01) | (0.01) | (0.01) | (0.00) | (0.00) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp | 0.09** | 0.07*** | 0.09 | 0.06 | 0.06*** | 0.10* | 0.02 | 0.17 | 0.13* | 0.04 |
| | (0.04) | (0.03) | (0.06) | (0.05) | (0.02) | (0.05) | (0.02) | (0.16) | (0.08) | (0.02) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp | 0.03** | 0.02*** | 0.01 | 0.00 | 0.01*** | 0.03 | 0.01 | 0.02 | 0.03 | 0.06 |
| | (0.01) | (0.01) | (0.01) | (0.00) | (0.00) | (0.02) | (0.01) | (0.02) | (0.02) | (0.08) |
| 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 2: Outcome variable schdist_ind

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp | 3.04*** | 3.24*** | 10.28*** | 13.38*** | 4.88*** | 2.98*** | 1.59*** | 9.85*** | 5.07** | 0.59 |
| | (0.31) | (0.52) | (0.86) | (1.56) | (0.92) | (0.49) | (0.29) | (2.15) | (2.09) | (0.69) |
| F-Stat | 96.39 | 39.29 | 143.5 | 73.59999999999999 | 28.25 | 37.74 | 30.91 | 21.08 | 5.87 | .73 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp | 1.22*** | 0.79*** | 0.51*** | 0.16*** | 0.33*** | 0.01 | -0.18 | 0.10** | 0.06** | -0.09** |
| | (0.23) | (0.23) | (0.13) | (0.04) | (0.05) | (0.02) | (0.13) | (0.05) | (0.03) | (0.04) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp | 4.56*** | 3.36*** | 6.19*** | 2.29*** | 3.08*** | 0.08* | -0.60* | 1.33 | 0.54 | 0.46 |
| | (0.97) | (0.96) | (1.29) | (0.59) | (0.64) | (0.05) | (0.33) | (1.11) | (0.52) | (0.32) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp | 1.50*** | 1.04*** | 0.60*** | 0.17*** | 0.63*** | 0.03* | -0.37* | 0.14 | 0.11 | 0.77 |
| | (0.30) | (0.31) | (0.12) | (0.04) | (0.11) | (0.02) | (0.20) | (0.10) | (0.10) | (1.07) |
| 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 3: Outcome variable gen_subcounty

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp | 3.04*** | 3.24*** | 10.28*** | 13.38*** | 4.88*** | 2.91*** | 1.58*** | 9.68*** | 4.64** | 0.59 |
| | (0.31) | (0.52) | (0.86) | (1.56) | (0.92) | (0.48) | (0.29) | (2.09) | (2.10) | (0.69) |
| F-Stat | 96.39 | 39.29 | 143.5 | 73.59999999999999 | 28.25 | 37.45 | 30.1 | 21.44 | 4.9 | .73 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp | 0.08*** | 0.05*** | 0.03*** | 0.01 | 0.02*** | 0.03 | 0.01 | 0.02* | 0.01 | -0.00 |
| | (0.02) | (0.02) | (0.01) | (0.01) | (0.00) | (0.02) | (0.01) | (0.01) | (0.01) | (0.01) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp | 0.32*** | 0.25*** | 0.33*** | 0.20** | 0.20*** | 0.21** | 0.05 | 0.30 | 0.35* | 0.08 |
| | (0.09) | (0.08) | (0.12) | (0.10) | (0.05) | (0.09) | (0.05) | (0.26) | (0.18) | (0.06) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp | 0.11*** | 0.08*** | 0.03*** | 0.02* | 0.04*** | 0.07** | 0.03 | 0.03 | 0.07* | 0.13 |
| | (0.03) | (0.02) | (0.01) | (0.01) | (0.01) | (0.03) | (0.03) | (0.03) | (0.04) | (0.18) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |

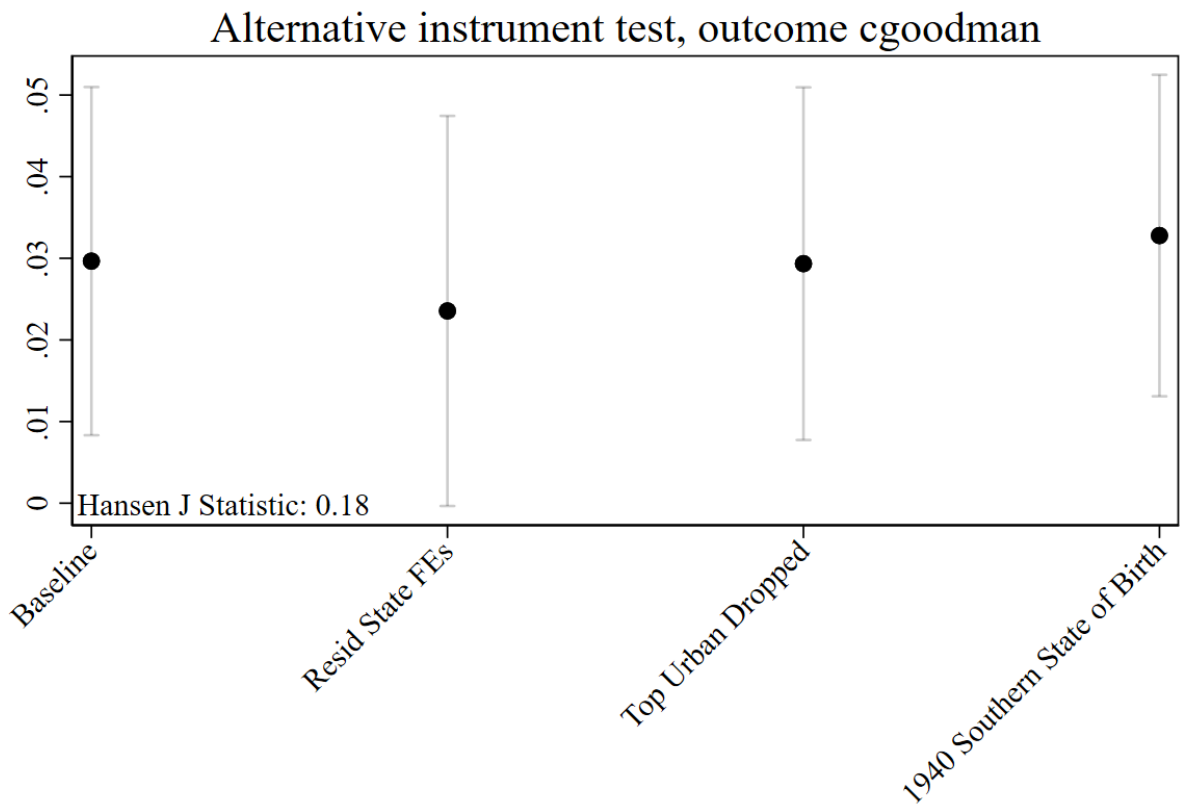
Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding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

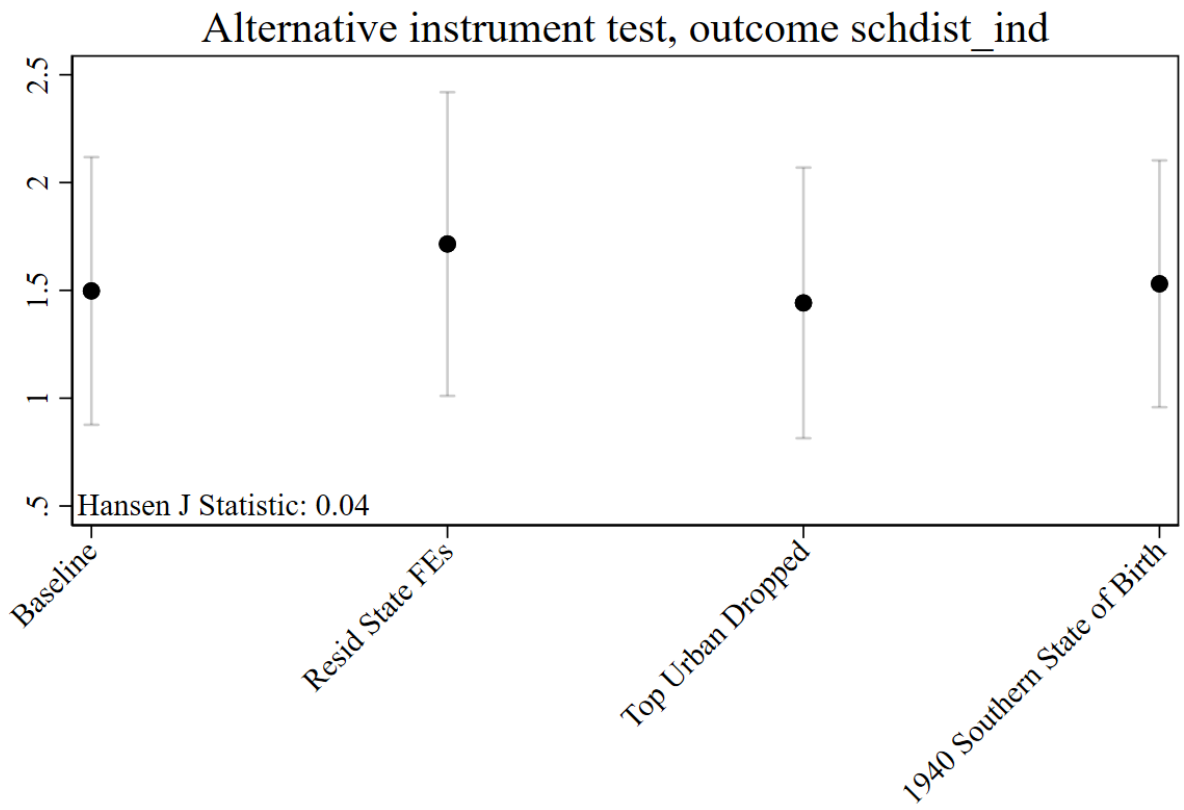
Table 4: Outcome variable spdist

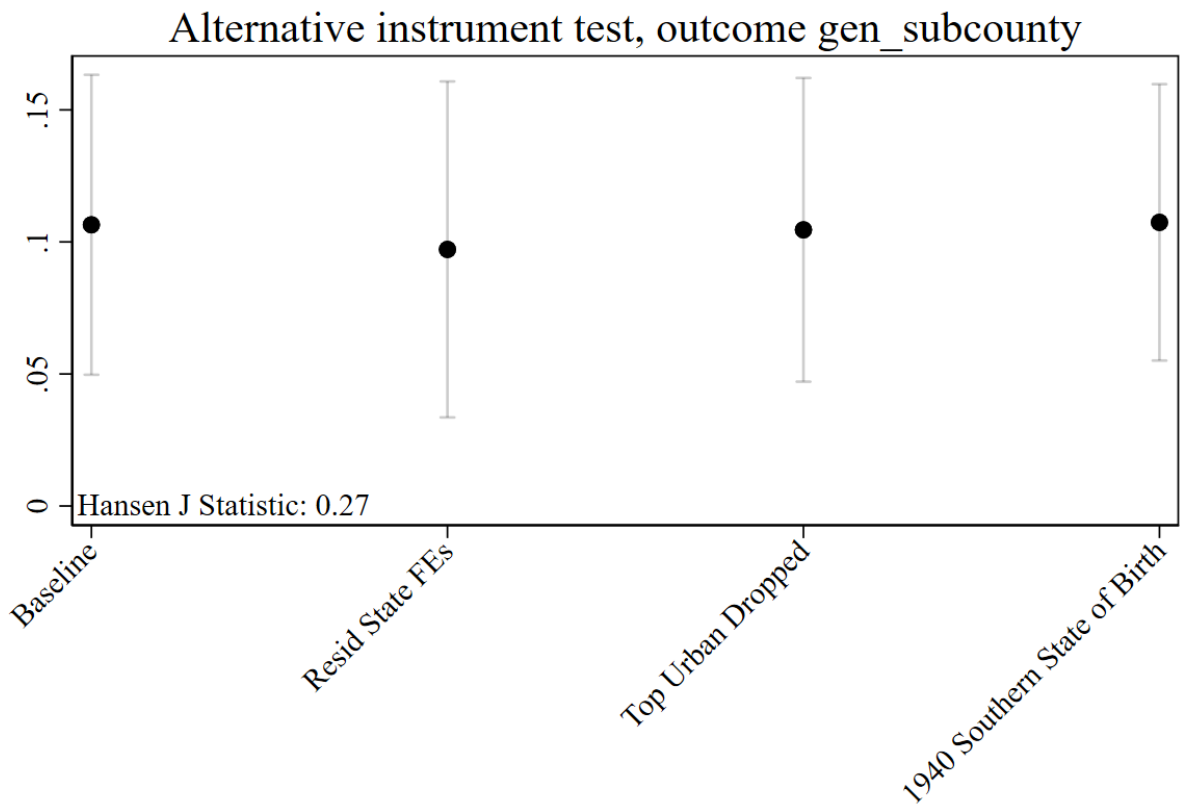
| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp | 3.04*** | 3.24*** | 10.28*** | 13.38*** | 4.88*** | 3.07*** | 1.68*** | 10.14*** | 4.86** | 0.53 |
| | (0.31) | (0.52) | (0.86) | (1.56) | (0.92) | (0.50) | (0.28) | (2.17) | (2.06) | (0.69) |
| F-Stat | 96.39 | 39.29 | 143.5 | 73.59999999999999 | 28.25 | 37.14 | 34.85 | 21.89 | 5.58 | .59 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp | -0.09*** | -0.06*** | -0.01 | -0.02*** | -0.02*** | -0.05* | -0.03* | 0.03 | -0.02* | 0.01 |
| | (0.02) | (0.01) | (0.02) | (0.01) | (0.01) | (0.03) | (0.02) | (0.02) | (0.01) | (0.01) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp | -0.26*** | -0.10 | -0.21 | -0.22 | -0.13* | 0.02 | 0.07 | 0.39 | 0.02 | 0.12* |
| | (0.10) | (0.09) | (0.21) | (0.14) | (0.07) | (0.12) | (0.08) | (0.34) | (0.17) | (0.07) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp | -0.09*** | -0.03 | -0.02 | -0.02* | -0.03** | 0.01 | 0.04 | 0.04 | 0.00 | 0.22 |
| | (0.03) | (0.02) | (0.02) | (0.01) | (0.01) | (0.04) | (0.04) | (0.03) | (0.03) | (0.27) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |

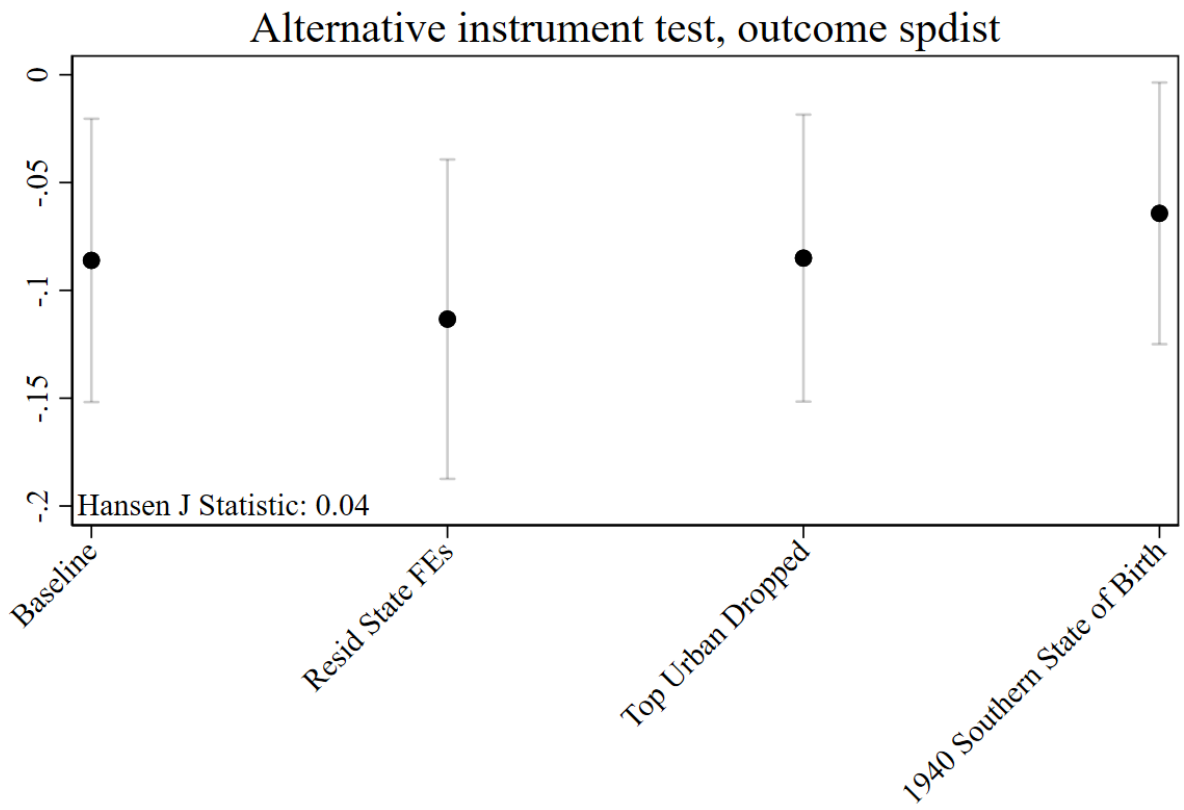
Columns 1-4 include region fixed effects, column 5 includes region and decade fixed effects. Columns 6-7 include region fixed effects and all significant covariates from the corresponding balance table. Column 10 includes region and decade fixed effects and all significant covariates from the corresponding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

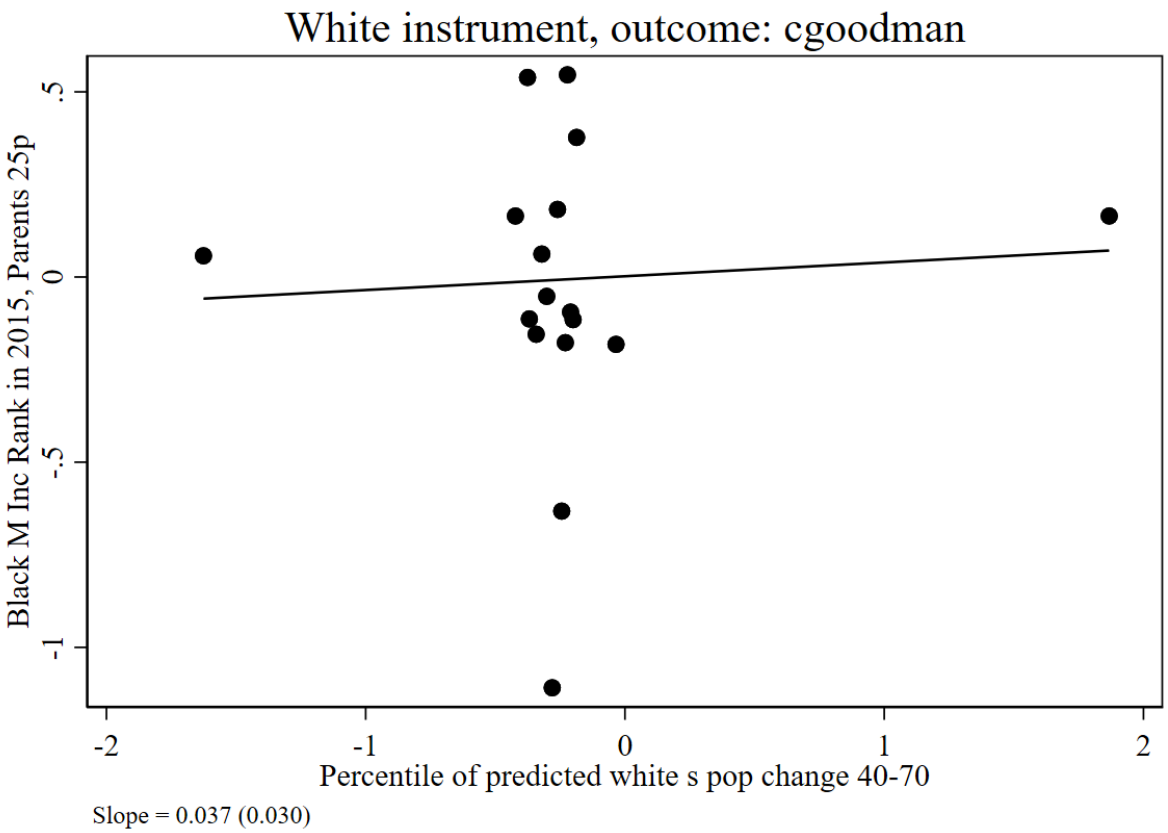
## 1.4 Alternative Instrument Figures

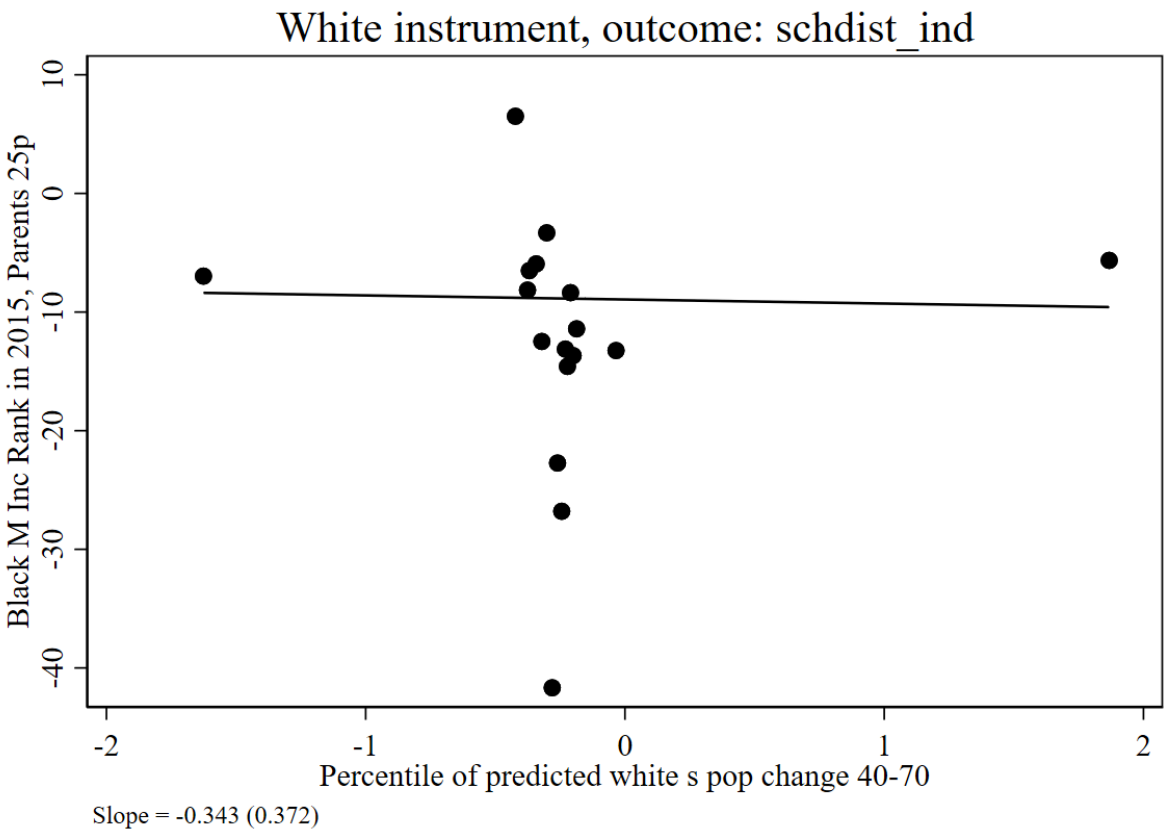

Alternative instrument test, outcome cgoodman
0
.01
.02
.03
.04
.05
Hansen J Statistic: 0.18
Baseline
Resid State FEs
Top Urban Dropped
1940 Southern State of Birth

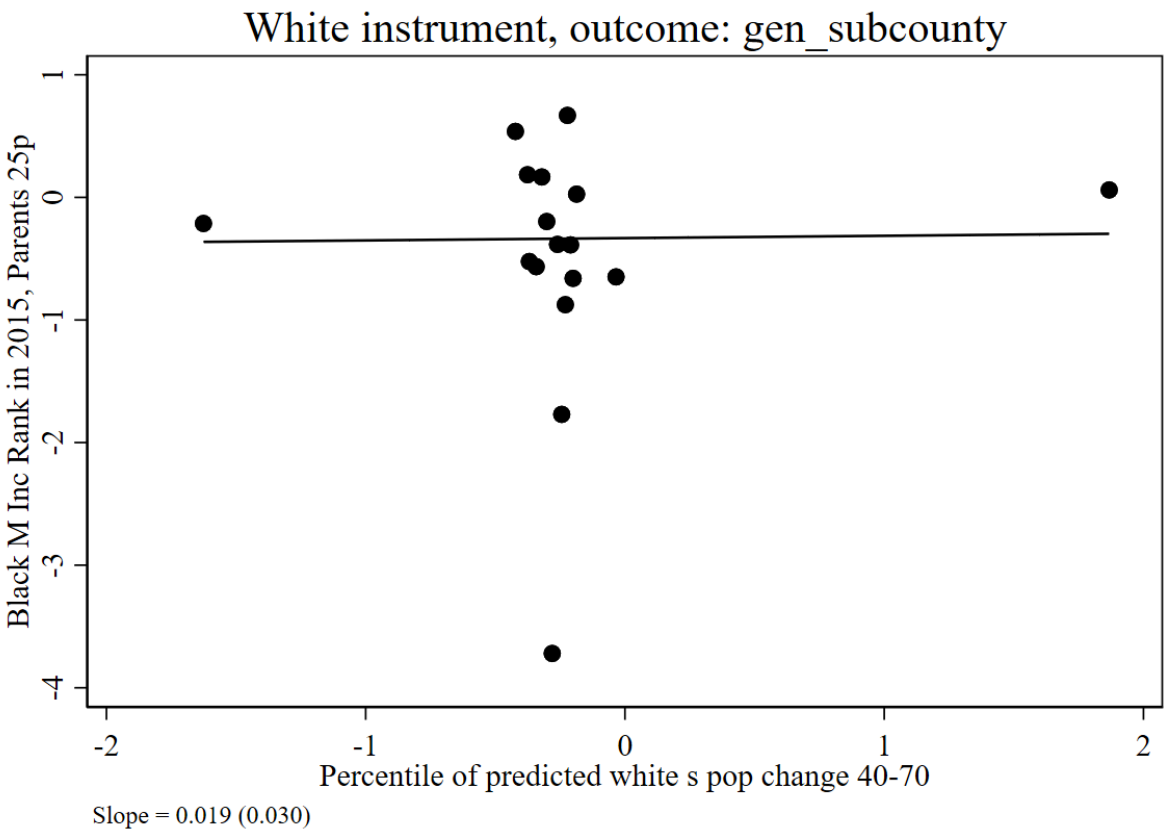

Alternative instrument test, outcome schdist_ind
2.5
2
1.5
1
.5
Hansen J Statistic: 0.04
Baseline
Resid State FEs
Top Urban Dropped
1940 Southern State of Birth

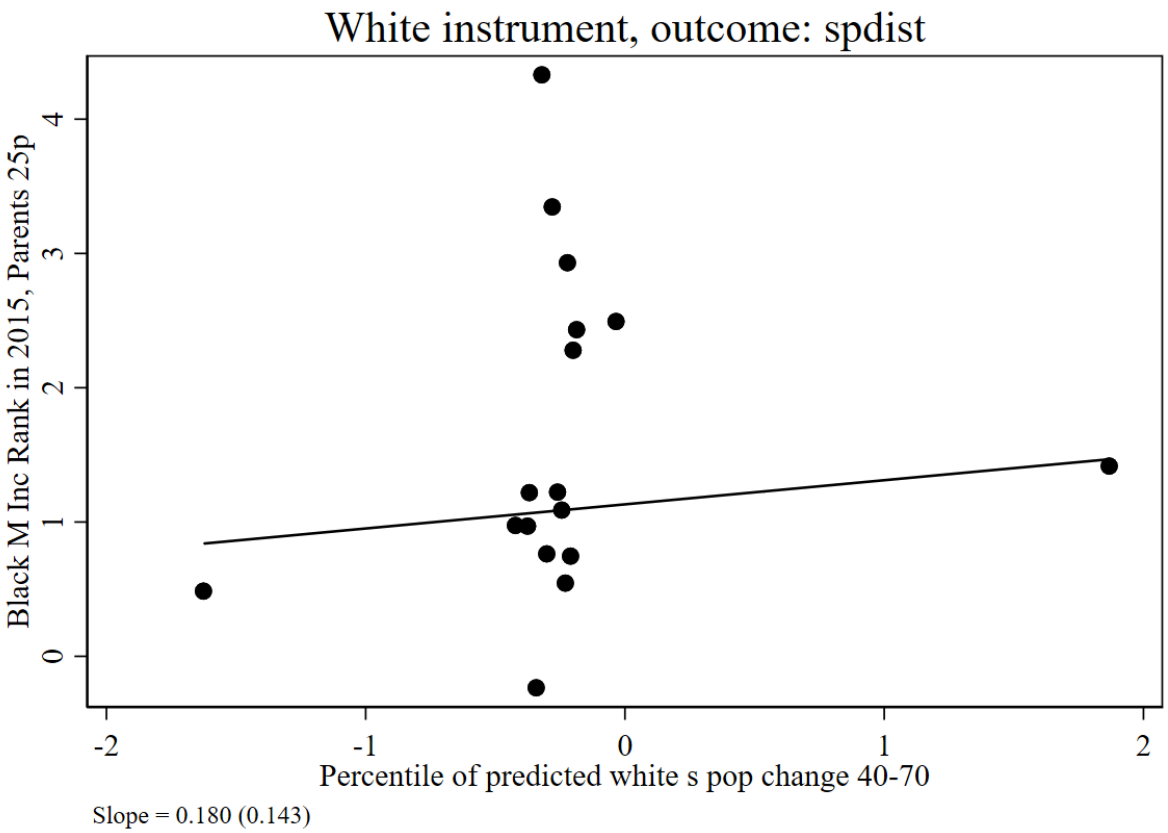

Alternative instrument test, outcome gen_subcounty
0
.05
.1
.15
Hansen J Statistic: 0.27
Baseline
Resid State FEs
Top Urban Dropped
1940 Southern State of Birth


Alternative instrument test, outcome spdist
0
-.05
-.1
-.15
-.2
Hansen J Statistic: 0.04
Baseline
Resid State FEs
Top Urban Dropped
1940 Southern State of Birth


White instrument, outcome: cgoodman
Black M Inc Rank in 2015, Parents 25p
.5
0
-.5
-1
-2
-1
0
1
2
Percentile of predicted white s pop change 40-70
Slope = 0.037 (0.030)


White instrument, outcome: schdist_ind
Black M Inc Rank in 2015, Parents 25p
10
0
-10
-20
-30
-40
-2
-1
0
1
2
Percentile of predicted white s pop change 40-70
Slope = -0.343 (0.372)


White instrument, outcome: gen_subcounty
Black M Inc Rank in 2015, Parents 25p
1
0
-1
-2
-3
-4
-2
-1
0
1
2
Percentile of predicted white s pop change 40-70
Slope = 0.019 (0.030)


White instrument, outcome: spdist
Black M Inc Rank in 2015, Parents 25p
0
1
2
3
4
-2
-1
0
1
2
Percentile of predicted white s pop change 40-70
Slope = 0.180 (0.143)

## 1.5 Baseline Instrument

Table 5: Outcome: cgoodman, Baseline Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Baseline Instrument | 2.383*** | | 0.0903** | |
| | (0.341) | | (0.0402) | |
| Percentage Point Change in Urban Black Population | | 0.0235** | | 0.0297** |
| | | (0.00904) | | (0.0133) |
| F-Stat | 48.68 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 6: Outcome: schdist_ind, Baseline Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Baseline Instrument | 2.383*** | | 4.559*** | |
| | (0.341) | | (0.972) | |
| Percentage Point Change in Urban Black Population | | 1.223*** | | 1.497*** |
| | | (0.232) | | (0.297) |
| F-Stat | 48.68 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 7: Outcome: gen_subcounty, Baseline Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Baseline Instrument | 2.383*** | | 0.324*** | |
| | (0.341) | | (0.0902) | |
| Percentage Point Change in Urban Black Population | | 0.0850*** | | 0.106*** |
| | | (0.0219) | | (0.0289) |
| F-Stat | 48.68 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 8: Outcome: spdist, Baseline Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Baseline Instrument | 2.383*** | | -0.262*** | |
| | (0.341) | | (0.0973) | |
| Percentage Point Change in Urban Black Population | | -0.0861*** | | -0.0861*** |
| | | (0.0236) | | (0.0314) |
| F-Stat | 48.68 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

## 1.6 Resid State FEs Instrument

Table 9: Outcome: cgoodman, Resid State FE Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Resid State FE Instrument | 2.437*** | | 0.0772 | |
| | (0.454) | | (0.0496) | |
| Percentage Point Change in Urban Black Population | | 0.0235** | | 0.0236 |
| | | (0.00904) | | (0.0149) |
| F-Stat | 28.862 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 10: Outcome: schdist_ind, Resid State FE Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Resid State FE Instrument | 2.437*** | | 5.624*** | |
| | (0.454) | | (1.151) | |
| Percentage Point Change in Urban Black Population | | 1.223*** | | 1.715*** |
| | | (0.232) | | (0.382) |
| F-Stat | 28.862 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 11: Outcome: gen_subcounty, Resid State FE Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Resid State FE Instrument | 2.437*** | | 0.319*** | |
| | (0.454) | | (0.106) | |
| Percentage Point Change in Urban Black Population | | 0.0850*** | | 0.0972*** |
| | | (0.0219) | | (0.0314) |
| F-Stat | 28.862 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 12: Outcome: spdist, Resid State FE Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Resid State FE Instrument | 2.437*** | | -0.372*** | |
| | (0.454) | | (0.126) | |
| Percentage Point Change in Urban Black Population | | -0.0861*** | | -0.113*** |
| | | (0.0236) | | (0.0397) |
| F-Stat | 28.862 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

## 1.7 Top Urban Dropped Instrument

Table 13: Outcome: cgoodman, Top Urban Dropped Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Top Urban Dropped Instrument | 2.374*** | | 0.0959** | |
| | (0.383) | | (0.0433) | |
| Percentage Point Change in Urban Black Population | | 0.0235** | | 0.0293** |
| | | (0.00904) | | (0.0135) |
| F-Stat | 38.412 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

Table 14: Outcome: schdist_ind, Top Urban Dropped Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Top Urban Dropped Instrument | 2.374*** | | 4.713*** | |
| | (0.383) | | (1.022) | |
| Percentage Point Change in Urban Black Population | | 1.223*** | | 1.442*** |
| | | (0.232) | | (0.287) |
| F-Stat | 38.412 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

Table 15: Outcome: gen_subcounty, Top Urban Dropped Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Top Urban Dropped Instrument | 2.374*** | | 0.342*** | |
| | (0.383) | | (0.0954) | |
| Percentage Point Change in Urban Black Population | | 0.0850*** | | 0.105*** |
| | | (0.0219) | | (0.0287) |
| F-Stat | 38.412 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 16: Outcome: spdist, Top Urban Dropped Instrument

| | First Stage (1) | OLS (2) | Reduced Form (3) | 2SLS (4) |
|---|---|---|---|---|
| Top Urban Dropped Instrument | 2.374*** | | -0.278*** | |
| | (0.383) | | (0.106) | |
| Percentage Point Change in Urban Black Population | | -0.0861*** | | -0.0850*** |
| | | (0.0236) | | (0.0312) |
| F-Stat | 38.412 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

## 1.8 1940 Southern State of Birth Instrument

Table 17: Outcome: cgoodman, 1940 Southern State of Birth Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 1940 Southern State of Birth Instrument | 9.486*** | | 0.319*** | |
| | (1.181) | | (0.116) | |
| Percentage Point Change in Urban Black Population | | 0.0235** | | 0.0328** |
| | | (0.00904) | | (0.0130) |
| F-Stat | 64.51000000000001 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 18: Outcome: schdist_ind, 1940 Southern State of Birth Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 1940 Southern State of Birth Instrument | 9.486*** | | 14.91*** | |
| | (1.181) | | (3.367) | |
| Percentage Point Change in Urban Black Population | | 1.223*** | | 1.531*** |
| | | (0.232) | | (0.295) |
| F-Stat | 64.51000000000001 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses
* p¡0.10, ** p¡0.05, *** p¡0.01

Table 19: Outcome: gen_subcounty, 1940 Southern State of Birth Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 1940 Southern State of Birth Instrument | 9.486*** | | 1.046*** | |
| | (1.181) | | (0.272) | |
| Percentage Point Change in Urban Black Population | | 0.0850*** | | 0.107*** |
| | | (0.0219) | | (0.0286) |
| F-Stat | 64.51000000000001 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

Table 20: Outcome: spdist, 1940 Southern State of Birth Instrument

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 1940 Southern State of Birth Instrument | 9.486*** | | -0.626** | |
| | (1.181) | | (0.280) | |
| Percentage Point Change in Urban Black Population | | -0.0861*** | | -0.0643** |
| | | (0.0236) | | (0.0261) |
| F-Stat | 64.51000000000001 | | | |
| Observations | 130 | 130 | 130 | 130 |

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

## 1.9 European Migrant Instrument as Control

Table 21: Outcome: cgoodman, Baseline Instrument with european migrant control

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Predicted Percentage Point Change in Urban Black Population | 2.280*** | | 0.0880* | |
| | (0.442) | | (0.0454) | |
| Percentage Point Change in Urban Black Population | | 0.0239*** | | 0.0386* |
| | | (0.00855) | | (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 22: Outcome: schdist_ind, Baseline Instrument with european migrant control

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Predicted Percentage Point Change in Urban Black Population | 2.280*** | | 2.848*** | |
| | (0.442) | | (1.064) | |
| Percentage Point Change in Urban Black Population | | 0.838*** | | 1.249*** |
| | | (0.234) | | (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 23: Outcome: gen_subcounty, Baseline Instrument with european migrant control

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

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

Table 24: Outcome: spdist, Baseline Instrument with european migrant control

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

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

## 1.10 Southern White Migration Instrument as Control

Table 25: Outcome: cgoodman, Baseline Instrument with european migrant control

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Predicted Percentage Point Change in Urban Black Population | 3.126*** | | 0.116*** | |
| | (0.355) | | (0.0434) | |
| Percentage Point Change in Urban Black Population | | 0.0265*** | | 0.0370** |
| | | (0.00951) | | (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 26: Outcome: schdist_ind, Baseline Instrument with european migrant control

| | First Stage | OLS | Reduced Form | 2SLS |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| Predicted Percentage Point Change in Urban Black Population | 3.126*** | | 5.322*** | |
| | (0.355) | | (1.088) | |
| Percentage Point Change in Urban Black Population | | 1.300*** | | 1.702*** |
| | | (0.248) | | (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 27: Outcome: gen_subcounty, Baseline Instrument with european migrant control

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

Standard errors in parentheses

* p¡0.10, ** p¡0.05, *** p¡0.01

Table 28: Outcome: spdist, Baseline Instrument with european migrant control

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

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 |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pc | -0.04 | 0.08 | 0.01 | -0.02 | 0.02 |
| | (0.02) | (0.05) | (0.02) | (0.02) | (0.02) |
| b_schdist_ind_cz1940_pc | 0.00 | -0.00 | -0.00 | 0.00 | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| b_gen_subcounty_cz1940_pc | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
| | (0.01) | (0.01) | (0.00) | (0.00) | (0.00) |
| b_spdist_cz1940_pc | 0.03 | 0.12* | 0.02* | 0.02 | 0.06** |
| | (0.02) | (0.05) | (0.01) | (0.01) | (0.02) |
| mfg_lfshare | 0.00 | 0.03*** | 0.01** | 0.00 | 0.01*** |
| | (0.00) | (0.01) | (0.00) | (0.00) | (0.00) |
| blackmig3539 | 4.64*** | 1.26 | 4.40*** | 5.39*** | 3.35*** |
| | (0.83) | (1.93) | (0.33) | (0.66) | (0.94) |
| frac_land | 0.47 | 0.67 | 0.15 | 0.15 | 0.33 |
| | (0.28) | (0.46) | (0.13) | (0.23) | (0.25) |
| transpo_cost_1920 | -0.01 | 0.00 | -0.00 | 0.00 | 0.00 |
| | (0.01) | (0.04) | (0.01) | (0.01) | (0.02) |
| coastal | -0.11 | -0.28 | -0.05 | -0.09 | -0.14 |
| | (0.10) | (0.18) | (0.05) | (0.07) | (0.10) |
| avg_precip | -0.01* | 0.00 | 0.00 | -0.00 | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| avg_temp | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| n_wells | -0.00 | -0.00 | -0.00 | -0.00 | -0.00* |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| totfrac_in_main_city | -0.18 | 0.51 | 0.22* | -0.14 | 0.20 |
| | (0.20) | (0.31) | (0.09) | (0.16) | (0.14) |
| urbfrac_in_main_city | -0.00*** | 0.00 | -0.00* | -0.00*** | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| m_rr | 0.00** | 0.00 | -0.00 | 0.00 | 0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| m_rr_sqm2 | 938.97 | 1966.83 | 877.86 | 742.71 | 1313.06 |
| | (1027.42) | (1728.31) | (523.12) | (638.18) | (1059.58) |
| reg2 | 0.05 | 0.45* | 0.07 | 0.01 | 0.18* |
| | (0.13) | (0.18) | (0.05) | (0.09) | (0.08) |
| reg3 | -0.25 | 0.37 | 0.10 | -0.34 | 0.09 |
| | (0.29) | (0.57) | (0.15) | (0.20) | (0.26) |
| reg4 | 0.32* | -0.59* | -0.14* | 0.19 | -0.20 |
| | (0.15) | (0.27) | (0.07) | (0.10) | (0.13) |
| 1940.decade | | | | | 0.00 |
| | | | | | (.) |
| 1950.decade | | | | | 0.16* |
| | | | | | (0.08) |
| 1960.decade | | | | | 0.01 |
| | | | | | (0.08) |

Standard errors in parentheses

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

## 2.2 Individual covariates on GM_hat

| | 1940-1970 Pooled | 1940-1950 | 1950-1960 | 1960-1970 | Stacked |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pc on GM_hat | -0.59** | -0.35** | -0.88*** | -0.59* | -0.48*** |
| | (0.20) | (0.12) | (0.21) | (0.28) | (0.10) |
| b_schdist_ind_cz1940_pc on GM_hat | -6.09** | -4.26** | -10.36*** | -5.78* | -5.43*** |
| | (2.03) | (1.34) | (2.38) | (2.81) | (1.10) |
| b_gen_subcounty_cz1940_pc on GM_hat | -1.98** | -1.42*** | -3.21*** | -2.07* | -1.78*** |
| | (0.61) | (0.40) | (0.66) | (0.90) | (0.33) |
| b_spdist_cz1940_pc on GM_hat | -0.10 | 0.04 | -0.16 | -0.01 | -0.02 |
| | (0.21) | (0.10) | (0.21) | (0.24) | (0.10) |
| mfg_lfshare on GM_hat | 2.67 | 3.27** | 4.58 | 1.68 | 2.91*** |
| | (1.58) | (1.16) | (2.40) | (1.58) | (0.88) |
| blackmig3539 on GM_hat | 0.14*** | 0.04 | 0.17*** | 0.14*** | 0.09*** |
| | (0.01) | (0.03) | (0.01) | (0.01) | (0.02) |
| frac_land on GM_hat | 0.09 | 0.06 | 0.18* | 0.12 | 0.10** |
| | (0.05) | (0.03) | (0.09) | (0.08) | (0.03) |
| transpo_cost_1920 on GM_hat | -0.24* | -0.12 | -0.38*** | -0.35** | -0.20** |
| | (0.09) | (0.10) | (0.10) | (0.12) | (0.07) |
| coastal on GM_hat | 0.07 | 0.03 | 0.13 | 0.07 | 0.06* |
| | (0.05) | (0.03) | (0.07) | (0.07) | (0.03) |
| avg_precip on GM_hat | 0.17 | 0.83 | 2.96 | 0.17 | 0.96 |
| | (1.10) | (0.82) | (1.99) | (1.26) | (0.73) |
| avg_temp on GM_hat | -3.12 | -1.24 | -1.11 | -2.95 | -1.71 |
| | (2.87) | (2.08) | (3.36) | (3.20) | (1.72) |
| n_wells on GM_hat | -12.51 | -27.29 | -11.95 | -19.48 | -20.27 |
| | (17.27) | (16.36) | (19.27) | (24.64) | (11.44) |
| totfrac_in_main_city on GM_hat | 0.15* | 0.11** | 0.26** | 0.16 | 0.14*** |
| | (0.06) | (0.04) | (0.08) | (0.09) | (0.03) |
| urbfrac_in_main_city on GM_hat | -440.98 | 218.04 | -257.68 | -564.09 | -78.67 |
| | (491.09) | (232.03) | (277.43) | (640.93) | (185.11) |
| m_rr on GM_hat | 4.7e+05* | 2.0e+05* | 4.8e+05* | 5.1e+05 | 3.1e+05** |
| | (2.0e+05) | (99445.93) | (2.2e+05) | (2.8e+05) | (1.1e+05) |
| m_rr_sqm2 on GM_hat | 0.00* | 0.00** | 0.00** | 0.00 | 0.00*** |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |

Standard errors in parentheses

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

## 2.3 Regressions

Table 29: Outcome variable cgoodman

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 2.87*** | 0.71*** | 1.45*** | 0.77 | 0.77*** | 0.92** | 0.23*** | 0.99*** | -0.06 | 0.06 |
| | (0.97) | (0.21) | (0.33) | (0.53) | (0.18) | (0.36) | (0.08) | (0.25) | (0.53) | (0.08) |
| F-Stat | 8.81 | 11.8 | 19.59 | 2.1 | 17.4 | 6.33 | 7.85 | 16.21 | .01 | .67 |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | -0.01 | -0.00 | -0.01 | -0.01 | -0.01 | 0.03* | 0.05*** | 0.01 | 0.01 | 0.01 |
| | (0.01) | (0.01) | (0.01) | (0.01) | (0.01) | (0.02) | (0.02) | (0.03) | (0.01) | (0.01) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 0.07 | -0.00 | 0.01 | 0.06 | 0.02 | 0.19*** | 0.02** | 0.04 | 0.06* | 0.03*** |
| | (0.05) | (0.01) | (0.02) | (0.04) | (0.02) | (0.05) | (0.01) | (0.04) | (0.03) | (0.01) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.02 | -0.00 | 0.01 | 0.08 | 0.03 | 0.21* | 0.10** | 0.04 | -1.03 | 0.53 |
| | (0.02) | (0.01) | (0.02) | (0.10) | (0.02) | (0.11) | (0.05) | (0.04) | (9.08) | (0.69) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |

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 30: Outcome variable schdist_ind

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 2.87*** | 0.71*** | 1.45*** | 0.77 | 0.77*** | 0.83** | 0.22*** | 1.00*** | -0.00 | 0.05 |
| | (0.97) | (0.21) | (0.33) | (0.53) | (0.18) | (0.36) | (0.08) | (0.24) | (0.61) | (0.08) |
| F-Stat | 8.81 | 11.8 | 19.59 | 2.1 | 17.4 | 5.15 | 7.05 | 16.76 | 0 | .4 |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | 1.52*** | 1.53*** | 2.01*** | 0.87*** | 1.30*** | -0.00 | 0.78*** | 0.01 | 0.02 | -0.10 |
| | (0.29) | (0.22) | (0.30) | (0.29) | (0.27) | (0.03) | (0.20) | (0.20) | (0.08) | (0.13) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 5.52*** | 1.20*** | 3.79*** | 1.39** | 1.79*** | 0.04 | 0.14 | -0.02 | 0.37 | 0.23** |
| | (1.82) | (0.43) | (1.02) | (0.71) | (0.37) | (0.11) | (0.19) | (0.52) | (0.37) | (0.11) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 1.92*** | 1.68*** | 2.60*** | 1.81*** | 2.32*** | 0.05 | 0.62 | -0.02 | -267.66 | 4.73 |
| | (0.32) | (0.36) | (0.53) | (0.65) | (0.32) | (0.14) | (0.87) | (0.51) | (1.2e+05) | (7.85) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |

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 31: Outcome variable gen_subcounty

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 2.87*** | 0.71*** | 1.45*** | 0.77 | 0.77*** | 0.88** | 0.23*** | 1.00*** | -0.03 | 0.06 |
| | (0.97) | (0.21) | (0.33) | (0.53) | (0.18) | (0.37) | (0.08) | (0.25) | (0.57) | (0.08) |
| F-Stat | 8.81 | 11.8 | 19.59 | 2.1 | 17.4 | 5.73 | 7.36 | 16.45 | 0 | .59 |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.00 | 0.01 | -0.01 | -0.00 | -0.00 | 0.05* | 0.09*** | 0.00 | 0.07*** | 0.03 |
| | (0.02) | (0.02) | (0.02) | (0.01) | (0.01) | (0.03) | (0.03) | (0.04) | (0.02) | (0.02) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 0.13** | 0.00 | 0.04 | 0.07* | 0.03 | 0.30*** | 0.05* | 0.17* | 0.04 | 0.05*** |
| | (0.06) | (0.02) | (0.05) | (0.04) | (0.02) | (0.11) | (0.03) | (0.09) | (0.08) | (0.02) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.04 | 0.00 | 0.03 | 0.09 | 0.03 | 0.34** | 0.21* | 0.17 | -1.29 | 0.89 |
| | (0.03) | (0.03) | (0.03) | (0.10) | (0.03) | (0.17) | (0.12) | (0.11) | (24.57) | (1.14) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |

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 32: Outcome variable spdist

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 2.87*** | 0.71*** | 1.45*** | 0.77 | 0.77*** | 0.90** | 0.23*** | 1.00*** | -0.10 | 0.06 |
| | (0.97) | (0.21) | (0.33) | (0.53) | (0.18) | (0.37) | (0.08) | (0.25) | (0.67) | (0.08) |
| F-Stat | 8.81 | 11.8 | 19.59 | 2.1 | 17.4 | 6.02 | 7.34 | 16.43 | .02 | .64 |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | -0.16*** | -0.15*** | -0.18*** | -0.14*** | -0.15*** | 0.01 | 0.02 | -0.11 | -0.15*** | -0.01 |
| | (0.02) | (0.03) | (0.04) | (0.04) | (0.02) | (0.05) | (0.05) | (0.08) | (0.04) | (0.03) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | -0.70*** | -0.13* | -0.30*** | -0.08 | -0.14** | -0.21 | 0.00 | 0.11 | -0.13 | 0.05 |
| | (0.14) | (0.07) | (0.07) | (0.14) | (0.06) | (0.23) | (0.09) | (0.15) | (0.22) | (0.05) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | -0.24*** | -0.18** | -0.21*** | -0.10 | -0.18*** | -0.24 | 0.01 | 0.11 | 1.29 | 0.78 |
| | (0.06) | (0.09) | (0.06) | (0.13) | (0.06) | (0.28) | (0.38) | (0.15) | (9.43) | (1.28) |
| Observations | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 | 449.00 | 449.00 | 449.00 | 449.00 | 1347.00 |

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. $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

# 3 Total Populations, Dcourt sample

## 3.1 GM_hat on all covariates

| | 1940-1970 Pooled | 1940-1950 | 1950-1960 | 1960-1970 | Stacked |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pc | -0.05 | 0.14 | 0.05 | 0.00 | 0.05 |
| | (0.07) | (0.15) | (0.04) | (0.06) | (0.07) |
| b_schdist_ind_cz1940_pc | 0.01* | -0.02 | -0.01 | 0.01* | -0.01 |
| | (0.01) | (0.01) | (0.00) | (0.00) | (0.01) |
| b_gen_subcounty_cz1940_pc | -0.01 | -0.04 | -0.00 | -0.01 | -0.03 |
| | (0.03) | (0.05) | (0.01) | (0.02) | (0.02) |
| b_spdist_cz1940_pc | 0.04 | 0.20* | 0.05* | 0.03 | 0.11** |
| | (0.03) | (0.09) | (0.02) | (0.02) | (0.04) |
| mfg_lfshare | 0.01 | 0.04** | 0.01* | 0.01 | 0.02*** |
| | (0.00) | (0.01) | (0.00) | (0.01) | (0.01) |
| blackmig3539 | 3.12*** | -1.25 | 4.20*** | 3.32** | 0.81 |
| | (0.81) | (2.66) | (0.83) | (1.11) | (1.87) |
| frac_land | 0.53 | -0.23 | -0.10 | 0.31 | 0.06 |
| | (0.34) | (0.68) | (0.18) | (0.26) | (0.32) |
| transpo_cost_1920 | -0.01 | -0.05 | -0.01 | 0.02 | -0.02 |
| | (0.04) | (0.11) | (0.03) | (0.03) | (0.05) |
| coastal | -0.14 | -0.08 | -0.00 | -0.13* | -0.05 |
| | (0.08) | (0.27) | (0.07) | (0.05) | (0.13) |
| avg_precip | -0.01** | 0.00 | 0.00 | -0.01* | 0.00 |
| | (0.00) | (0.01) | (0.00) | (0.00) | (0.00) |
| avg_temp | 0.00 | -0.01 | -0.00 | 0.00 | -0.00 |
| | (0.00) | (0.01) | (0.00) | (0.00) | (0.00) |
| n_wells | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| totfrac_in_main_city | 0.68 | 2.15* | 0.57 | 0.55 | 1.13** |
| | (0.41) | (0.86) | (0.30) | (0.28) | (0.37) |
| urbfrac_in_main_city | -0.55 | -0.23 | -0.07 | -0.37 | -0.11 |
| | (0.28) | (0.51) | (0.18) | (0.21) | (0.23) |
| m_rr | 0.00*** | 0.00 | -0.00 | 0.00** | 0.00 |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| m_rr_sqm2 | -70.18 | 599.36 | 797.10 | 55.88 | 205.27 |
| | (1214.15) | (2301.80) | (659.74) | (754.02) | (1257.46) |
| reg2 | 0.06 | 0.46 | 0.04 | 0.05 | 0.25* |
| | (0.12) | (0.26) | (0.07) | (0.08) | (0.12) |
| reg3 | 0.04 | 0.22 | 0.07 | 0.03 | 0.25 |
| | (0.40) | (0.75) | (0.18) | (0.30) | (0.35) |
| reg4 | 0.37 | -0.84 | -0.26 | 0.08 | -0.30 |
| | (0.28) | (0.53) | (0.14) | (0.18) | (0.28) |
| 1940.decade | | | | | 0.00 |
| | | | | | (.) |
| 1950.decade | | | | | 0.07 |
| | | | | | (0.09) |
| 1960.decade | | | | | -0.15 |
| | | | | | (0.09) |

Standard errors in parentheses

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

### 3.2 Individual covariates on GM_hat

| | 1940-1970 Pooled | 1940-1950 | 1950-1960 | 1960-1970 | Stacked |
|---|---|---|---|---|---|
| b_cgoodman_cz1940_pc on GM_hat | -0.67*** | -0.34** | -0.84*** | -1.00*** | -0.49*** |
| | (0.12) | (0.12) | (0.14) | (0.21) | (0.10) |
| b_schdist_ind_cz1940_pc on GM_hat | -5.48*** | -3.77** | -8.89*** | -7.88*** | -4.78*** |
| | (1.18) | (1.17) | (1.50) | (1.91) | (0.99) |
| b_gen_subcounty_cz1940_pc on GM_hat | -2.01*** | -1.14** | -2.65*** | -3.07*** | -1.54*** |
| | (0.31) | (0.36) | (0.34) | (0.49) | (0.31) |
| b_spdist_cz1940_pc on GM_hat | -0.29* | -0.10 | -0.38** | -0.41* | -0.19* |
| | (0.12) | (0.07) | (0.12) | (0.20) | (0.08) |
| mfg_lfshare on GM_hat | 2.77 | 3.15* | 2.98 | 2.12 | 2.61** |
| | (1.83) | (1.27) | (2.85) | (2.64) | (1.00) |
| blackmig3539 on GM_hat | 0.14*** | 0.04 | 0.16*** | 0.14*** | 0.07* |
| | (0.02) | (0.03) | (0.01) | (0.02) | (0.03) |
| frac_land on GM_hat | 0.16 | 0.09 | 0.26* | 0.28 | 0.14** |
| | (0.09) | (0.05) | (0.12) | (0.14) | (0.05) |
| transpo_cost_1920 on GM_hat | -0.21* | -0.13 | -0.36* | -0.37* | -0.19** |
| | (0.11) | (0.09) | (0.15) | (0.15) | (0.06) |
| coastal on GM_hat | 0.13 | 0.07 | 0.20* | 0.19 | 0.10** |
| | (0.07) | (0.03) | (0.09) | (0.11) | (0.04) |
| avg_precip on GM_hat | 0.73 | 1.22 | 4.56 | 1.02 | 1.59 |
| | (1.97) | (1.26) | (2.70) | (2.96) | (1.12) |
| avg_temp on GM_hat | -5.61 | -2.63 | -2.77 | -7.76 | -3.14 |
| | (4.66) | (2.85) | (4.67) | (7.19) | (2.42) |
| n_wells on GM_hat | -56.10 | -20.55 | -25.35 | -98.89 | -30.00* |
| | (29.73) | (16.82) | (28.18) | (52.28) | (14.78) |
| totfrac_in_main_city on GM_hat | 0.22** | 0.13** | 0.32*** | 0.35** | 0.18*** |
| | (0.07) | (0.05) | (0.08) | (0.11) | (0.04) |
| urbfrac_in_main_city on GM_hat | 0.04 | 0.02 | 0.10 | 0.08 | 0.04 |
| | (0.05) | (0.03) | (0.07) | (0.08) | (0.03) |
| m_rr on GM_hat | 6.8e+05** | 2.1e+05 | 5.1e+05 | 1.0e+06* | 3.6e+05* |
| | (2.3e+05) | (1.1e+05) | (2.9e+05) | (4.1e+05) | (1.5e+05) |
| m_rr_sqm2 on GM_hat | 0.00 | 0.00* | 0.00** | 0.00 | 0.00** |
| | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |

Standard errors in parentheses

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

### 3.3 Regressions

Table 33: Outcome variable cgoodman

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 4.67*** | 0.98*** | 1.90*** | 2.68*** | 1.14*** | 1.74* | 0.27** | 1.05** | 0.81 | 0.12 |
| | (1.07) | (0.28) | (0.32) | (0.79) | (0.26) | (0.91) | (0.12) | (0.41) | (0.51) | (0.10) |
| F-Stat | 18.96 | 12.6 | 36.2 | 11.64 | 19.81 | 3.69 | 5.34 | 6.61 | 2.52 | 1.45 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.02*** | 0.02** | 0.02** | 0.00 | 0.01** | -0.01 | 0.02 | 0.00 | -0.01** | -0.00 |
| | (0.01) | (0.01) | (0.01) | (0.00) | (0.01) | (0.01) | (0.02) | (0.02) | (0.01) | (0.01) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 0.13*** | 0.02 | 0.04* | 0.03 | 0.03*** | 0.08* | 0.01 | -0.02 | -0.01 | 0.01 |
| | (0.03) | (0.01) | (0.02) | (0.02) | (0.01) | (0.04) | (0.01) | (0.04) | (0.03) | (0.01) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.03*** | 0.02* | 0.02** | 0.01** | 0.02*** | 0.05 | 0.05 | -0.02 | -0.02 | 0.06 |
| | (0.01) | (0.01) | (0.01) | (0.01) | (0.01) | (0.04) | (0.05) | (0.03) | (0.04) | (0.09) |
| 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 34: Outcome variable schdist_ind

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 4.67*** | 0.98*** | 1.90*** | 2.68*** | 1.14*** | 2.10** | 0.27** | 1.20*** | 0.87 | 0.13 |
| | (1.07) | (0.28) | (0.32) | (0.79) | (0.26) | (0.97) | (0.13) | (0.41) | (0.54) | (0.10) |
| F-Stat | 18.96 | 12.6 | 36.2 | 11.64 | 19.81 | 4.69 | 4.24 | 8.41 | 2.64 | 1.8 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.90*** | 1.07*** | 1.17*** | 0.41*** | 0.74*** | -0.02 | 0.04 | -0.09 | 0.26** | -0.12 |
| | (0.20) | (0.22) | (0.23) | (0.13) | (0.19) | (0.02) | (0.16) | (0.14) | (0.10) | (0.12) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 5.12*** | 1.43*** | 3.41*** | 1.60*** | 1.66*** | -0.04 | -0.17 | 0.15 | 0.54** | 0.21 |
| | (1.13) | (0.52) | (0.65) | (0.32) | (0.38) | (0.07) | (0.25) | (0.57) | (0.22) | (0.16) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 1.10*** | 1.46*** | 1.79*** | 0.60*** | 1.45*** | -0.02 | -0.62 | 0.12 | 0.62 | 1.55 |
| | (0.22) | (0.35) | (0.42) | (0.17) | (0.23) | (0.03) | (0.84) | (0.47) | (0.38) | (1.53) |
| 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 35: Outcome variable gen_subcounty

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 4.67*** | 0.98*** | 1.90*** | 2.68*** | 1.14*** | 1.79* | 0.26** | 1.13*** | 0.77 | 0.13 |
| | (1.07) | (0.28) | (0.32) | (0.79) | (0.26) | (0.97) | (0.13) | (0.42) | (0.52) | (0.10) |
| F-Stat | 18.96 | 12.6 | 36.2 | 11.64 | 19.81 | 3.41 | 4.36 | 7.25 | 2.19 | 1.67 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.07*** | 0.07*** | 0.07*** | 0.03*** | 0.05*** | -0.02 | 0.04 | -0.03 | -0.02 | -0.01 |
| | (0.01) | (0.02) | (0.02) | (0.01) | (0.01) | (0.02) | (0.02) | (0.03) | (0.01) | (0.02) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 0.48*** | 0.09** | 0.19*** | 0.18*** | 0.11*** | 0.22** | 0.03 | -0.01 | 0.01 | 0.01 |
| | (0.08) | (0.04) | (0.05) | (0.04) | (0.03) | (0.10) | (0.02) | (0.08) | (0.07) | (0.02) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | 0.10*** | 0.09*** | 0.10*** | 0.07*** | 0.09*** | 0.12 | 0.13 | -0.01 | 0.02 | 0.10 |
| | (0.02) | (0.03) | (0.02) | (0.02) | (0.02) | (0.09) | (0.09) | (0.07) | (0.08) | (0.14) |
| 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 36: Outcome variable spdist

| | Basic controls | | | | | Robust controls | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) 1940-1970 Pooled | (2) 1940-1950 | (3) 1950-1960 | (4) 1960-1970 | (5) Stacked | (6) 1940-1970 Pooled | (7) 1940-1950 | (8) 1950-1960 | (9) 1960-1970 | (10) Stacked |
| Panel A: First Stage | | | | | | | | | | |
| GM_hat_raw_pp_totpop | 4.67*** | 0.98*** | 1.90*** | 2.68*** | 1.14*** | 2.04** | 0.27** | 1.17*** | 0.85 | 0.10 |
| | (1.07) | (0.28) | (0.32) | (0.79) | (0.26) | (0.97) | (0.13) | (0.41) | (0.54) | (0.10) |
| F-Stat | 18.96 | 12.6 | 36.2 | 11.64 | 19.81 | 4.45 | 4.38 | 8.24 | 2.51 | 1.04 |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel B: OLS | | | | | | | | | | |
| GM_raw_pp_totpop | -0.08*** | -0.07*** | -0.12** | -0.05*** | -0.07*** | -0.09*** | -0.08** | -0.15** | -0.07*** | -0.04 |
| | (0.02) | (0.02) | (0.05) | (0.02) | (0.02) | (0.02) | (0.03) | (0.08) | (0.02) | (0.03) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel C: Reduced Form | | | | | | | | | | |
| GM_hat_raw_pp_totpop | -0.40*** | -0.03 | -0.17* | -0.13** | -0.06 | -0.18 | 0.03 | -0.10 | -0.11 | 0.03 |
| | (0.11) | (0.05) | (0.10) | (0.05) | (0.04) | (0.13) | (0.06) | (0.17) | (0.08) | (0.03) |
| Observations | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 | 130.00 | 130.00 | 130.00 | 130.00 | 390.00 |
| Panel D: 2SLS | | | | | | | | | | |
| GM_raw_pp_totpop | -0.09*** | -0.03 | -0.09* | -0.05** | -0.05* | -0.09 | 0.10 | -0.09 | -0.12 | 0.30 |
| | (0.02) | (0.05) | (0.05) | (0.02) | (0.03) | (0.06) | (0.25) | (0.14) | (0.09) | (0.38) |
| 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. $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$