# Descriptive Tables and Figures for Municipality Proliferation

### December 7, 2023

### Contents

| 1            | Land Use  | 3                    |
|--------------|---|----------------------|
| 2            | Distributions   | 15                   |
| 3            | Jasper vs. Lake Counties  | 22                   |
| 4            | Goldsmith-Pinkham Table   | 25                   |
| 5            | County Comparisons: Overall   | 30                   |
| 6            | County Comparisons: By Region and blackmig3539_share bins  5.1 NortheastRegion  | 32<br>32<br>40<br>48 |
| $\mathbf{L}$ | st of Figures   |                      |
|              | 1940-50          1950-60          1960-70   |                      |
| $\mathbf{L}$ | st of Tables  |                      |
|              | samp_full samp_full samp_full.pre samp_full.pre samp_full.pre samp_full.pre samp_nonsouthern samp_nonsouthern samp_nonsouthern samp_nonsouthern.pre samp_nonsouthern.pre 1 samp_nonsouthern.pre 2 samp_nonsouthern.pre 3 samp_nonsouthern.pre 4 samp_nonsouthern.pre 5 samp_nonsouthern.pre 6 mg_lshare 7 sase_all_local 8 base_schdist_ind 9 new_all_local 9 new_schdist_ind 1 countypop 2 Northeast region, decile 2 3 Northeast region, decile 5 6 Northeast region, decile 6 6 Northeast region, decile 6 8 Northeast region, decile 7 8 Northeast region, decile 6 8 Northeast region, decile 8 9 Northeast region, decile 8 9 Northeast region, decile 8 9 Northeast region, decile 2 1 Midwest region, decile 2 1 Midwest region, decile 3 | 31<br>31<br>32<br>33 |
|              | Midwest region, decile 5  | 43<br>44<br>45       |
|              |   |                      |

| 36 | Midwest region, decile 8 | 6 |
|----|--------------------------|---|
| 37 | Midwest region, decile 9 | 7 |
| 38 | West region, decile 2    | 8 |
| 39 | West region, decile 3    | 9 |
| 40 | West region, decile 4    | 0 |
| 41 | West region, decile 5    | 1 |
|    | West region, decile 6    |   |
| 43 | West region, decile 7    | 3 |
| 44 | West region, decile 8    | 4 |
| 45 | West region, decile 9    | 5 |

# 1 Land Use

Table 1: samp\_full

|   | Munis In | corporated 1940-70  | Els   | se                  | Test for | Test for difference |  |
|---|----------|---------------------|-------|---------------------|----------|---------------------|--|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | $\mathbf{t}$        |  |
| Local Political Pressure Index, 2018    | 8.57     | 2.00                | 8.56  | 1.99                | 0.01     | (0.07)              |  |
| State Political Involvement Index, 2018 | 2.35     | 1.18                | 2.22  | 1.07                | 0.13     | (1.40)              |  |
| Local Project Approval Index, 2018      | 2.09     | 1.38                | 2.23  | 1.61                | -0.15    | (-1.36)             |  |
| Local Zoning Approval Index, 2018       | 2.63     | 1.37                | 2.85  | 1.36                | -0.21*   | (-2.03)             |  |
| Supply Restrictions Index, 2018         | 0.18     | 0.88                | 0.14  | 0.72                | 0.05     | (0.67)              |  |
| Density Restriction Index, 2018         | 1.80     | 1.21                | 1.79  | 1.22                | 0.01     | (0.14)              |  |
| Exactions Index, 2018                   | 0.61     | 0.49                | 0.54  | 0.50                | 0.06     | (1.70)              |  |
| Affordable Housing Index, 2018          | 0.16     | 0.37                | 0.13  | 0.33                | 0.03     | (1.20)              |  |
| Approval Delay Index, 2018              | 6.22     | 3.92                | 4.90  | 4.35                | 1.33***  | (4.25)              |  |
| WRLURI 2018                             | 0.06     | 0.98                | -0.03 | 0.97                | 0.09     | (1.14)              |  |
| Observations                            | 186      |                     | 1745  |                     |          |                     |  |

Unweighted

Table 2: samp\_full

|   | Munis In | corporated 1940-70  | Els   | se                  | Test for | difference   |
|---|----------|---------------------|-------|---------------------|----------|--------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.37     | 1.99                | 8.35  | 1.96                | 0.03     | (0.16)       |
| State Political Involvement Index, 2018 | 2.26     | 1.13                | 2.18  | 1.05                | 0.08     | (0.85)       |
| Local Project Approval Index, 2018      | 2.19     | 1.38                | 2.31  | 1.66                | -0.12    | (-1.00)      |
| Local Zoning Approval Index, 2018       | 2.61     | 1.34                | 2.87  | 1.46                | -0.26*   | (-2.36)      |
| Supply Restrictions Index, 2018         | 0.15     | 0.81                | 0.13  | 0.72                | 0.02     | (0.24)       |
| Density Restriction Index, 2018         | 1.73     | 1.18                | 1.72  | 1.20                | 0.01     | (0.12)       |
| Exactions Index, 2018                   | 0.58     | 0.49                | 0.50  | 0.50                | 0.08*    | (2.00)       |
| Affordable Housing Index, 2018          | 0.15     | 0.36                | 0.11  | 0.32                | 0.03     | (1.18)       |
| Approval Delay Index, 2018              | 5.82     | 3.74                | 4.37  | 3.69                | 1.45***  | (4.80)       |
| WRLURI 2018                             | -0.04    | 0.94                | -0.12 | 0.95                | 0.08     | (1.00)       |
| Observations                            | 186      |                     | 1745  |                     |          |              |

Weight, full sample

Table 3: samp\_full

|   | Munis In | corporated 1940-70  | Els   | Else                |         | difference   |
|---|----------|---------------------|-------|---------------------|---------|--------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b       | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.43     | 1.96                | 8.43  | 1.96                | -0.00   | (-0.02)      |
| State Political Involvement Index, 2018 | 2.30     | 1.16                | 2.23  | 1.07                | 0.07    | (0.79)       |
| Local Project Approval Index, 2018      | 2.18     | 1.38                | 2.28  | 1.66                | -0.10   | (-0.88)      |
| Local Zoning Approval Index, 2018       | 2.61     | 1.41                | 2.82  | 1.39                | -0.21   | (-1.78)      |
| Supply Restrictions Index, 2018         | 0.16     | 0.84                | 0.15  | 0.78                | 0.01    | (0.19)       |
| Density Restriction Index, 2018         | 1.75     | 1.19                | 1.80  | 1.21                | -0.04   | (-0.44)      |
| Exactions Index, 2018                   | 0.61     | 0.49                | 0.54  | 0.50                | 0.07    | (1.65)       |
| Affordable Housing Index, 2018          | 0.16     | 0.37                | 0.12  | 0.32                | 0.04    | (1.39)       |
| Approval Delay Index, 2018              | 6.03     | 3.83                | 4.74  | 4.06                | 1.29*** | (4.09)       |
| WRLURI 2018                             | 0.01     | 0.97                | -0.05 | 0.93                | 0.06    | (0.76)       |
| Observations                            | 185      |                     | 1543  |                     |         |              |

Weight, metro sample

Table 4:  $samp\_full\_pre$ 

|   | Munis Inc | corporated 1940-70  | Else  |                     | Test for | difference   |
|---|-----------|---------------------|-------|---------------------|----------|--------------|
|   | mean      | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.57      | 2.00                | 8.53  | 1.99                | 0.04     | (0.26)       |
| State Political Involvement Index, 2018 | 2.35      | 1.18                | 2.17  | 1.05                | 0.17     | (1.90)       |
| Local Project Approval Index, 2018      | 2.09      | 1.38                | 2.22  | 1.57                | -0.13    | (-1.21)      |
| Local Zoning Approval Index, 2018       | 2.63      | 1.37                | 2.86  | 1.33                | -0.23*   | (-2.12)      |
| Supply Restrictions Index, 2018         | 0.18      | 0.88                | 0.13  | 0.71                | 0.05     | (0.81)       |
| Density Restriction Index, 2018         | 1.80      | 1.21                | 1.71  | 1.17                | 0.10     | (1.01)       |
| Exactions Index, 2018                   | 0.61      | 0.49                | 0.52  | 0.50                | 0.08*    | (2.14)       |
| Affordable Housing Index, 2018          | 0.16      | 0.37                | 0.13  | 0.34                | 0.03     | (1.15)       |
| Approval Delay Index, 2018              | 6.22      | 3.92                | 4.67  | 3.86                | 1.56***  | (5.01)       |
| WRLURI 2018                             | 0.06      | 0.98                | -0.07 | 0.97                | 0.14     | (1.73)       |
| Observations                            | 186       |                     | 1436  |                     |          |              |

Unweighted

Table 5:  $samp\_full\_pre$ 

|   | Munis In | corporated 1940-70  | Els   | se                  | Test for   | Test for difference |  |
|---|----------|---------------------|-------|---------------------|------------|---------------------|--|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b          | $\mathbf{t}$        |  |
| Local Political Pressure Index, 2018    | 8.37     | 1.99                | 8.33  | 1.95                | 0.04       | (0.24)              |  |
| State Political Involvement Index, 2018 | 2.26     | 1.13                | 2.14  | 1.03                | 0.12       | (1.32)              |  |
| Local Project Approval Index, 2018      | 2.19     | 1.38                | 2.29  | 1.59                | -0.11      | (-0.91)             |  |
| Local Zoning Approval Index, 2018       | 2.61     | 1.34                | 2.89  | 1.43                | -0.28*     | (-2.49)             |  |
| Supply Restrictions Index, 2018         | 0.15     | 0.81                | 0.12  | 0.68                | 0.03       | (0.45)              |  |
| Density Restriction Index, 2018         | 1.73     | 1.18                | 1.63  | 1.14                | 0.10       | (1.00)              |  |
| Exactions Index, 2018                   | 0.58     | 0.49                | 0.48  | 0.50                | $0.10^{*}$ | (2.25)              |  |
| Affordable Housing Index, 2018          | 0.15     | 0.36                | 0.11  | 0.31                | 0.04       | (1.23)              |  |
| Approval Delay Index, 2018              | 5.82     | 3.74                | 4.18  | 3.38                | 1.64***    | (5.39)              |  |
| WRLURI 2018                             | -0.04    | 0.94                | -0.17 | 0.95                | 0.13       | (1.55)              |  |
| Observations                            | 186      |                     | 1436  |                     |            |                     |  |

Weight, full sample

Table 6:  $samp\_full\_pre$ 

|   | Munis In | corporated 1940-70  | Els   | se                  | Test for | difference   |
|---|----------|---------------------|-------|---------------------|----------|--------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.43     | 1.96                | 8.43  | 1.95                | 0.00     | (0.03)       |
| State Political Involvement Index, 2018 | 2.30     | 1.16                | 2.19  | 1.05                | 0.11     | (1.22)       |
| Local Project Approval Index, 2018      | 2.18     | 1.38                | 2.26  | 1.57                | -0.08    | (-0.70)      |
| Local Zoning Approval Index, 2018       | 2.61     | 1.41                | 2.84  | 1.37                | -0.23    | (-1.92)      |
| Supply Restrictions Index, 2018         | 0.16     | 0.84                | 0.14  | 0.75                | 0.03     | (0.36)       |
| Density Restriction Index, 2018         | 1.75     | 1.19                | 1.70  | 1.15                | 0.05     | (0.50)       |
| Exactions Index, 2018                   | 0.61     | 0.49                | 0.53  | 0.50                | 0.08     | (1.83)       |
| Affordable Housing Index, 2018          | 0.16     | 0.37                | 0.12  | 0.32                | 0.04     | (1.40)       |
| Approval Delay Index, 2018              | 6.03     | 3.83                | 4.55  | 3.69                | 1.48***  | (4.66)       |
| WRLURI 2018                             | 0.01     | 0.97                | -0.09 | 0.92                | 0.10     | (1.22)       |
| Observations                            | 185      |                     | 1245  |                     |          |              |

Weight, metro sample

Table 7: samp\_nonsouthern

|   | Munis Inc | Munis Incorporated 1940-70 |      | se                  | Test for   | r difference |
|---|-----------|----------------------------|------|---------------------|------------|--------------|
|   | mean      | $\operatorname{sd}$        | mean | $\operatorname{sd}$ | b          | t            |
| Local Political Pressure Index, 2018    | 8.57      | 2.00                       | 8.58 | 2.09                | -0.01      | (-0.04)      |
| State Political Involvement Index, 2018 | 2.35      | 1.18                       | 2.16 | 1.08                | $0.19^{*}$ | (2.01)       |
| Local Project Approval Index, 2018      | 2.09      | 1.38                       | 2.21 | 1.57                | -0.13      | (-1.09)      |
| Local Zoning Approval Index, 2018       | 2.63      | 1.37                       | 2.81 | 1.31                | -0.17      | (-1.58)      |
| Supply Restrictions Index, 2018         | 0.18      | 0.88                       | 0.16 | 0.80                | 0.02       | (0.29)       |
| Density Restriction Index, 2018         | 1.80      | 1.21                       | 1.79 | 1.20                | 0.02       | (0.18)       |
| Exactions Index, 2018                   | 0.61      | 0.49                       | 0.58 | 0.49                | 0.02       | (0.61)       |
| Affordable Housing Index, 2018          | 0.16      | 0.37                       | 0.15 | 0.36                | 0.01       | (0.31)       |
| Approval Delay Index, 2018              | 6.22      | 3.92                       | 5.67 | 4.70                | 0.55       | (1.63)       |
| WRLURI 2018                             | 0.06      | 0.98                       | 0.03 | 0.99                | 0.03       | (0.37)       |
| Observations                            | 186       |                            | 812  |                     |            |              |

Unweighted

Table 8: samp\_nonsouthern

|   | Munis In | corporated 1940-70  | Els   | se                  | e Test for differer |         |
|---|----------|---------------------|-------|---------------------|---------------------|---------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b                   | t       |
| Local Political Pressure Index, 2018    | 8.37     | 1.99                | 8.28  | 2.05                | 0.10                | (0.54)  |
| State Political Involvement Index, 2018 | 2.26     | 1.13                | 2.09  | 1.04                | 0.17                | (1.76)  |
| Local Project Approval Index, 2018      | 2.19     | 1.38                | 2.32  | 1.64                | -0.13               | (-1.00) |
| Local Zoning Approval Index, 2018       | 2.61     | 1.34                | 2.85  | 1.41                | -0.24*              | (-2.00) |
| Supply Restrictions Index, 2018         | 0.15     | 0.81                | 0.16  | 0.80                | -0.01               | (-0.14) |
| Density Restriction Index, 2018         | 1.73     | 1.18                | 1.74  | 1.19                | -0.01               | (-0.08) |
| Exactions Index, 2018                   | 0.58     | 0.49                | 0.53  | 0.50                | 0.05                | (1.19)  |
| Affordable Housing Index, 2018          | 0.15     | 0.36                | 0.12  | 0.32                | 0.03                | (0.90)  |
| Approval Delay Index, 2018              | 5.82     | 3.74                | 4.93  | 4.07                | 0.89**              | (2.75)  |
| WRLURI 2018                             | -0.04    | 0.94                | -0.09 | 0.96                | 0.05                | (0.62)  |
| Observations                            | 186      |                     | 812   |                     |                     |         |

Weight, full sample

Table 9:  $samp\_nonsouthern$ 

|   | Munis Ind | corporated 1940-70  | Els   | se                  | Test for | r difference |
|---|-----------|---------------------|-------|---------------------|----------|--------------|
|   | mean      | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.43      | 1.96                | 8.35  | 2.07                | 0.08     | (0.50)       |
| State Political Involvement Index, 2018 | 2.30      | 1.16                | 2.12  | 1.07                | 0.18     | (1.89)       |
| Local Project Approval Index, 2018      | 2.18      | 1.38                | 2.30  | 1.65                | -0.12    | (-0.92)      |
| Local Zoning Approval Index, 2018       | 2.61      | 1.41                | 2.80  | 1.30                | -0.19    | (-1.52)      |
| Supply Restrictions Index, 2018         | 0.16      | 0.84                | 0.16  | 0.82                | 0.00     | (0.00)       |
| Density Restriction Index, 2018         | 1.75      | 1.19                | 1.77  | 1.20                | -0.02    | (-0.16)      |
| Exactions Index, 2018                   | 0.61      | 0.49                | 0.57  | 0.50                | 0.04     | (0.92)       |
| Affordable Housing Index, 2018          | 0.16      | 0.37                | 0.14  | 0.34                | 0.02     | (0.75)       |
| Approval Delay Index, 2018              | 6.03      | 3.83                | 5.26  | 4.36                | 0.78*    | (2.29)       |
| WRLURI 2018                             | 0.01      | 0.97                | -0.03 | 0.98                | 0.04     | (0.43)       |
| Observations                            | 185       |                     | 784   |                     |          |              |

Weight, metro sample

Table 10:  $samp_nonsouthern_pre$ 

|   | Munis In | corporated 1940-70  | Else  |                     | Test for   | r difference |
|---|----------|---------------------|-------|---------------------|------------|--------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b          | $\mathbf{t}$ |
| Local Political Pressure Index, 2018    | 8.57     | 2.00                | 8.54  | 2.10                | 0.03       | (0.21)       |
| State Political Involvement Index, 2018 | 2.35     | 1.18                | 2.11  | 1.06                | 0.24*      | (2.48)       |
| Local Project Approval Index, 2018      | 2.09     | 1.38                | 2.20  | 1.49                | -0.11      | (-0.99)      |
| Local Zoning Approval Index, 2018       | 2.63     | 1.37                | 2.83  | 1.33                | -0.20      | (-1.77)      |
| Supply Restrictions Index, 2018         | 0.18     | 0.88                | 0.17  | 0.83                | 0.01       | (0.15)       |
| Density Restriction Index, 2018         | 1.80     | 1.21                | 1.70  | 1.13                | 0.10       | (1.00)       |
| Exactions Index, 2018                   | 0.61     | 0.49                | 0.56  | 0.50                | 0.04       | (1.02)       |
| Affordable Housing Index, 2018          | 0.16     | 0.37                | 0.15  | 0.36                | 0.01       | (0.43)       |
| Approval Delay Index, 2018              | 6.22     | 3.92                | 5.38  | 4.44                | $0.85^{*}$ | (2.50)       |
| WRLURI 2018                             | 0.06     | 0.98                | -0.02 | 0.99                | 0.08       | (0.98)       |
| Observations                            | 186      |                     | 726   |                     |            |              |

Unweighted

Table 11: samp\_nonsouthern\_pre

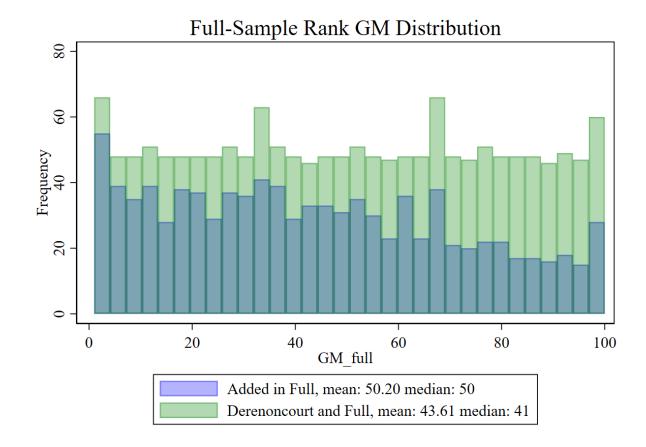
|   | Munis In | corporated 1940-70  | Els   | se                  | Test for | difference |
|---|----------|---------------------|-------|---------------------|----------|------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | t          |
| Local Political Pressure Index, 2018    | 8.37     | 1.99                | 8.26  | 2.05                | 0.12     | (0.64)     |
| State Political Involvement Index, 2018 | 2.26     | 1.13                | 2.05  | 1.02                | 0.20*    | (2.11)     |
| Local Project Approval Index, 2018      | 2.19     | 1.38                | 2.29  | 1.50                | -0.10    | (-0.79)    |
| Local Zoning Approval Index, 2018       | 2.61     | 1.34                | 2.86  | 1.43                | -0.25*   | (-2.10)    |
| Supply Restrictions Index, 2018         | 0.15     | 0.81                | 0.17  | 0.83                | -0.02    | (-0.28)    |
| Density Restriction Index, 2018         | 1.73     | 1.18                | 1.64  | 1.10                | 0.09     | (0.90)     |
| Exactions Index, 2018                   | 0.58     | 0.49                | 0.51  | 0.50                | 0.07     | (1.58)     |
| Affordable Housing Index, 2018          | 0.15     | 0.36                | 0.11  | 0.32                | 0.03     | (1.13)     |
| Approval Delay Index, 2018              | 5.82     | 3.74                | 4.70  | 3.84                | 1.12***  | (3.44)     |
| WRLURI 2018                             | -0.04    | 0.94                | -0.15 | 0.95                | 0.11     | (1.25)     |
| Observations                            | 186      |                     | 726   |                     |          |            |

Weight, full sample

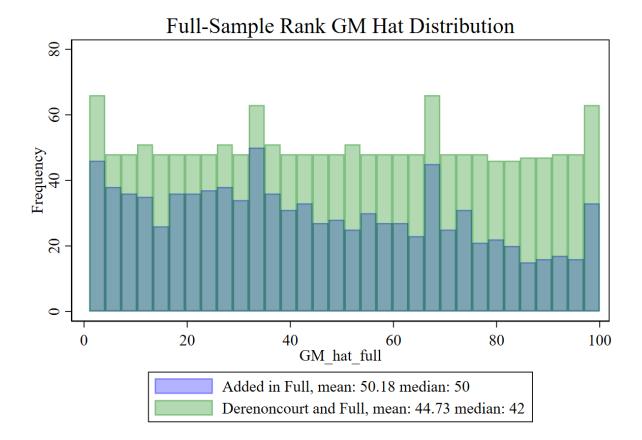
Table 12:  $samp_nonsouthern_pre$ 

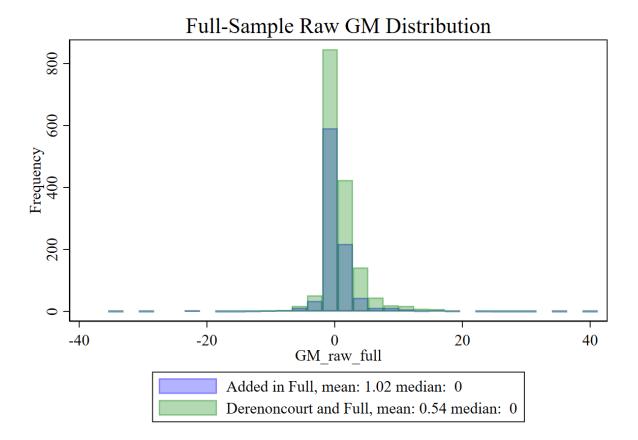
|   | Munis In | corporated 1940-70  | Els   | se                  | Test for | difference |
|---|----------|---------------------|-------|---------------------|----------|------------|
|   | mean     | $\operatorname{sd}$ | mean  | $\operatorname{sd}$ | b        | t          |
| Local Political Pressure Index, 2018    | 8.43     | 1.96                | 8.32  | 2.07                | 0.11     | (0.62)     |
| State Political Involvement Index, 2018 | 2.30     | 1.16                | 2.08  | 1.05                | 0.22*    | (2.28)     |
| Local Project Approval Index, 2018      | 2.18     | 1.38                | 2.26  | 1.49                | -0.08    | (-0.68)    |
| Local Zoning Approval Index, 2018       | 2.61     | 1.41                | 2.81  | 1.31                | -0.20    | (-1.62)    |
| Supply Restrictions Index, 2018         | 0.16     | 0.84                | 0.17  | 0.86                | -0.01    | (-0.15)    |
| Density Restriction Index, 2018         | 1.75     | 1.19                | 1.66  | 1.11                | 0.09     | (0.88)     |
| Exactions Index, 2018                   | 0.61     | 0.49                | 0.55  | 0.50                | 0.06     | (1.28)     |
| Affordable Housing Index, 2018          | 0.16     | 0.37                | 0.13  | 0.34                | 0.03     | (0.96)     |
| Approval Delay Index, 2018              | 6.03     | 3.83                | 5.01  | 4.11                | 1.03**   | (3.03)     |
| WRLURI 2018                             | 0.01     | 0.97                | -0.09 | 0.97                | 0.09     | (1.07)     |
| Observations                            | 185      |                     | 698   |                     |          |            |

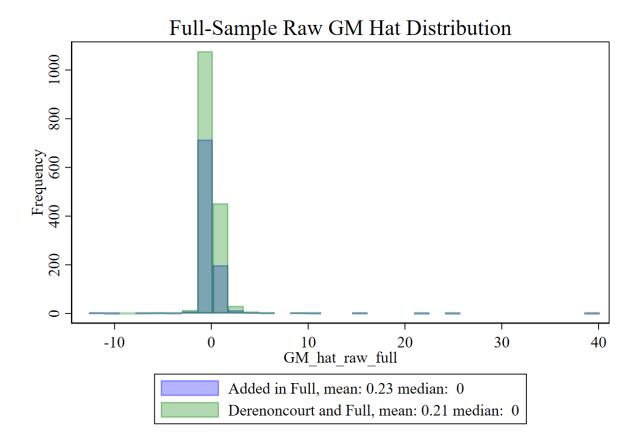
Weight, metro sample



# 2 Distributions







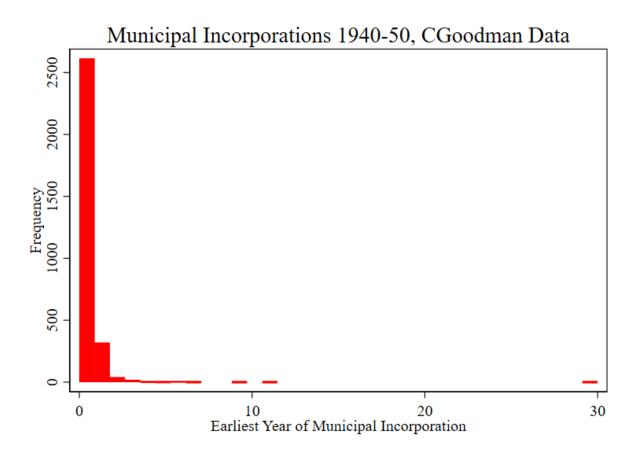


Figure 1: 1940-50

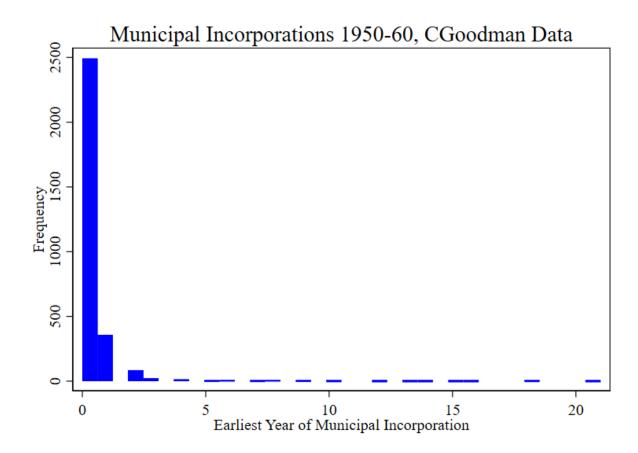


Figure 2: 1950-60

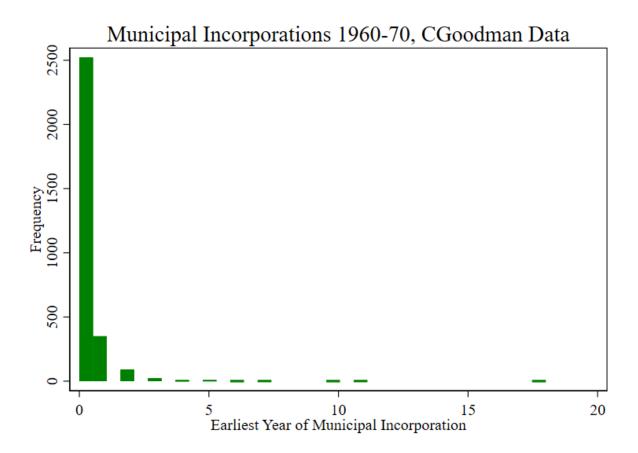
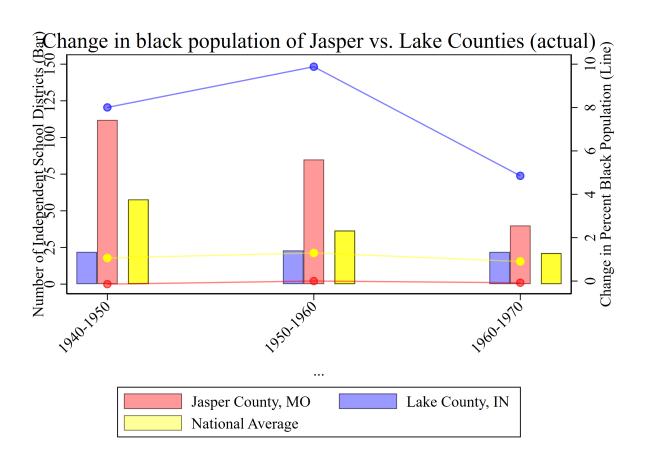
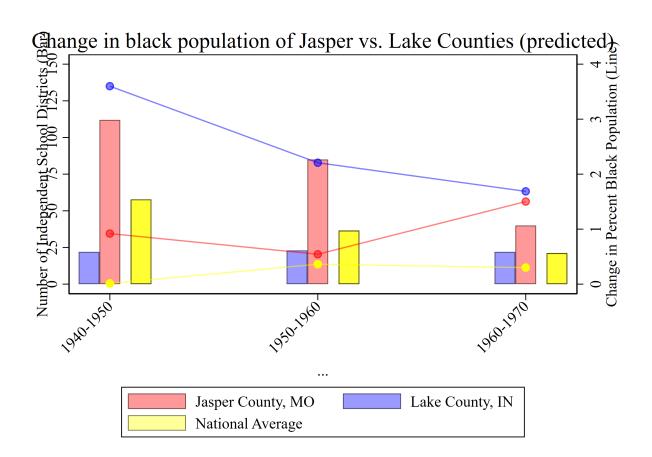


Figure 3: 1960-70

3 Jasper vs. Lake Counties





| 4 | Goldsmith-Pinkham Table |
|---|-------------------------|
|   |                         |
|   |                         |
|   |                         |
|   |                         |

|                    | (                   | County Counts Outcomes |                    | CGoodman Data                    | Instrument         |
|--------------------|---------------------|------------------------|--------------------|----------------------------------|--------------------|
|                    | n_schdist_ind_cz_pc | n_gen_subcounty_cz_pc  | n_gen_muni_cz_pc   | $\overline{n\_cgoodman\_cz\_pc}$ | GM_hat_raw_pp      |
| base_outcome       | -0.97***<br>(0.01)  | -0.22***<br>(0.04)     | -0.13*<br>(0.07)   | -0.14**<br>(0.06)                |                    |
| mfg_lfshare1940    | -0.35 $(0.50)$      | $0.38 \\ (0.35)$       | $0.25 \\ (0.21)$   | $0.19 \\ (0.19)$                 | 0.08**<br>(0.03)   |
| blackmig3539_share | -15.14*<br>(7.94)   | 3.37<br>(11.55)        | -5.64<br>(8.60)    | -3.17 (6.28)                     | 19.85***<br>(5.45) |
| pop1940            | -0.00*<br>(0.00)    | $0.00 \\ (0.00)$       | 0.00*<br>(0.00)    | $0.00 \\ (0.00)$                 | 0.00**<br>(0.00)   |
| frac_land          | -23.87 (42.93)      | -107.41**<br>(47.80)   | -37.28*<br>(20.28) | -33.92*<br>(18.05)               | -3.79 (6.51)       |
| reg2               | -24.50**<br>(11.92) | -30.33***<br>(9.50)    | -7.21**<br>(3.60)  | -7.50**<br>(3.00)                | 2.31***<br>(0.84)  |
| reg3               | -26.34*<br>(15.10)  | -4.61 (21.53)          | 25.95 $(19.48)$    | 15.72<br>(12.48)                 | 8.00**<br>(3.61)   |
| reg4               | -20.49<br>(18.93)   | -38.78***<br>(11.90)   | -10.23<br>(7.31)   | -13.09**<br>(6.39)               | -1.69*<br>(0.96)   |
| Observations       | 130.00              | 130.00                 | 130.00             | 130.00                           | 130.00             |

<sup>\*</sup> pj0.10, \*\* pj0.05, \*\*\* pj0.01

|                           | (                   | County Counts Outcomes |                   | CGoodman Data                           | Instrument           |
|---------------------------|---------------------|------------------------|-------------------|---|----------------------|
|                           | n_schdist_ind_cz_pc | n_gen_subcounty_cz_pc  | n_gen_muni_cz_pc  | $\overline{\text{n\_cgoodman\_cz\_pc}}$ | GM_hat_raw_pp_totpop |
| base_outcome              | -0.97***<br>(0.01)  | -0.32***<br>(0.05)     | -0.19**<br>(0.08) | -0.19***<br>(0.06)                      |                      |
| mfg_lfshare1940           | -0.19<br>(0.15)     | -0.22*<br>(0.12)       | $0.00 \\ (0.07)$  | -0.01<br>(0.06)                         | 0.01 $(0.00)$        |
| blackmig3539_share_totpop | -9.67**<br>(4.80)   | -7.61<br>(6.13)        | -2.52 (3.54)      | -1.95<br>(2.79)                         | 2.65*** $(0.57)$     |
| pop1940                   | -0.00*<br>(0.00)    | $0.00 \\ (0.00)$       | 0.00*<br>(0.00)   | $0.00 \\ (0.00)$                        | 0.00**<br>(0.00)     |
| frac_land                 | 5.86 (14.62)        | -26.32**<br>(10.35)    | -10.54<br>(6.66)  | -8.56<br>(5.68)                         | -0.87<br>(0.86)      |
| reg2                      | -2.63<br>(2.46)     | -0.74 (1.74)           | 0.14 (1.13)       | 0.18<br>(0.86)                          | 0.19**<br>(0.07)     |
| reg3                      | -5.07<br>(3.82)     | -2.24 (5.13)           | 1.88 $(5.30)$     | -0.95 (4.27)                            | -0.30<br>(0.24)      |
| reg4                      | -1.39<br>(4.99)     | -9.77***<br>(3.50)     | -2.27<br>(1.78)   | -2.70*<br>(1.45)                        | 0.34***<br>(0.10)    |
| Observations              | 130.00              | 130.00                 | 130.00            | 130.00                                  | 130.00               |

<sup>\*</sup> pj0.10, \*\* pj0.05, \*\*\* pj0.01

|                    |                        | County Counts Outcomes   |                     | CGoodman Data                      | Instrument            |
|--------------------|------------------------|--------------------------|---------------------|------------------------------------|-----------------------|
|                    | n_schdist_ind_cz_L0_pc | n_gen_subcounty_cz_L0_pc | n_gen_muni_cz_L0_pc | $\overline{n_{cgoodman_cz_L0_pc}}$ | GM_hat_raw_pp         |
| base_outcome       | -0.57***<br>(0.06)     | -0.07***<br>(0.02)       | -0.03<br>(0.03)     | -0.04<br>(0.03)                    |                       |
| mfg_lfshare        | -0.27<br>(0.62)        | 0.31***<br>(0.11)        | 0.16**<br>(0.07)    | 0.12**<br>(0.06)                   | $0.07^{***}$ $(0.02)$ |
| blackmig3539_share | -47.14*<br>(25.06)     | 5.65<br>(6.21)           | -0.60 (3.97)        | $0.06 \\ (3.61)$                   | 24.38***<br>(4.46)    |
| pop                | $0.00 \\ (0.00)$       | -0.00<br>(0.00)          | $0.00 \\ (0.00)$    | $0.00 \\ (0.00)$                   | 0.00*** $(0.00)$      |
| frac_land          | -27.60<br>(54.92)      | -27.47**<br>(11.40)      | -5.94<br>(5.01)     | -6.36<br>(4.66)                    | -5.84<br>(5.09)       |
| reg2               | -6.11<br>(10.04)       | -10.49***<br>(2.88)      | -2.86***<br>(0.88)  | -2.84***<br>(0.76)                 | 1.94***<br>(0.60)     |
| reg3               | 5.52 (15.28)           | -1.20<br>(5.40)          | 8.70**<br>(3.87)    | 5.15 $(3.65)$                      | 8.49***<br>(2.55)     |
| reg4               | -13.23<br>(13.90)      | -9.75***<br>(3.62)       | -2.30<br>(2.00)     | -3.60*<br>(1.85)                   | -0.82 (0.74)          |
| 1940.decade        | 0.00<br>(.)            | 0.00<br>(.)              | 0.00<br>(.)         | 0.00<br>(.)                        | 0.00<br>(.)           |
| 1950.decade        | -68.33***<br>(13.75)   | 1.73 $(2.12)$            | 1.60<br>(0.98)      | 0.92 $(0.90)$                      | 1.48***<br>(0.39)     |
| 1960.decade        | -62.96***<br>(12.58)   | 9.21***<br>(2.33)        | 4.06***<br>(1.00)   | 3.54***<br>(0.92)                  | 3.65***<br>(0.52)     |
| Observations       | 390.00                 | 390.00                   | 390.00              | 390.00                             | 390.00                |

<sup>\*</sup> p;0.10, \*\* p;0.05, \*\*\* p;0.01

|                                 |                        | County Counts Outcomes   |                     | CGoodman Data                        | Instrument           |
|---------------------------------|------------------------|--------------------------|---------------------|--------------------------------------|----------------------|
|                                 | n_schdist_ind_cz_L0_pc | n_gen_subcounty_cz_L0_pc | n_gen_muni_cz_L0_pc | $\overline{n\_cgoodman\_cz\_L0\_pc}$ | GM_hat_raw_pp_totpop |
| base_outcome                    | -0.50***<br>(0.05)     | -0.10***<br>(0.02)       | -0.04*<br>(0.02)    | -0.04*<br>(0.02)                     |                      |
| mfg_lfshare                     | $0.06 \\ (0.18)$       | -0.04<br>(0.03)          | $0.02 \\ (0.02)$    | $0.01 \\ (0.02)$                     | 0.01***<br>(0.00)    |
| $blackmig 3539\_share\_tot pop$ | -0.88<br>(4.49)        | 4.41*<br>(2.25)          | 4.23**<br>(1.78)    | 5.02**<br>(1.97)                     | 4.26***<br>(1.09)    |
| pop                             | -0.00<br>(0.00)        | 0.00<br>(0.00)           | $0.00 \\ (0.00)$    | $0.00 \\ (0.00)$                     | $0.00 \\ (0.00)$     |
| frac_land                       | 9.20<br>(16.79)        | -7.89***<br>(2.65)       | -2.37 (1.53)        | -2.14<br>(1.36)                      | -0.50<br>(0.53)      |
| reg2                            | -3.47 (3.15)           | -0.88**<br>(0.44)        | -0.58**<br>(0.26)   | -0.56**<br>(0.24)                    | 0.10<br>(0.08)       |
| reg3                            | 6.36* $(3.55)$         | 0.70 $(1.39)$            | 0.47 $(0.89)$       | -0.26<br>(0.91)                      | -0.12 (0.30)         |
| reg4                            | -0.86 (4.25)           | -3.09***<br>(1.04)       | -0.86*<br>(0.52)    | -1.13**<br>(0.45)                    | -0.49**<br>(0.19)    |
| 1940.decade                     | 0.00<br>(.)            | 0.00<br>(.)              | 0.00<br>(.)         | 0.00<br>(.)                          | 0.00<br>(.)          |
| 1950.decade                     | -24.16***<br>(5.48)    | 0.53<br>(0.60)           | $0.67^*$ $(0.34)$   | 0.33 $(0.31)$                        | 0.32***<br>(0.11)    |
| 1960.decade                     | -20.08***<br>(5.08)    | 2.05***<br>(0.62)        | 1.27***<br>(0.30)   | 1.22***<br>(0.32)                    | 0.25**<br>(0.12)     |
| Observations                    | 405.00                 | 405.00                   | 405.00              | 405.00                               | 405.00               |

<sup>\*</sup> p;0.10, \*\* p;0.05, \*\*\* p;0.01

#### 5 County Comparisons: Overall

This compares a set of "Treated" and "Control" counties in aggregate. The set is constructed by creating deciles of the county-level recent (1935-39) black migrant share of the 1940 population, then taking the counties with the largest (treated) and smallest (control) 1940-50 change in black population from each decile-census region (10 deciles x 3 regions = 30 possible pairs = 60 possible counties). The 1st and 10th deciles are dropped as the bins are constructed by frequencies, not values, thus their 1940 v2\_blackmig3539\_share values may not actually be that close. Doing this leaves us with 24 pairs/48 counties.

These tables give summary statistics by decade on the endogenous X variable (GM), instrument (GM\_hat2), control variables (v2\_blackmig3539\_share and mfg\_lfshare), base values of outcome variables (base\_all\_local and base\_schdist\_ind), values of outcome variables (new\_all\_local and new\_schdist\_ind), and county population (countypop).

Table 13: GM

|             | Overall |         |     |       | Treated |     | Control |         |     |
|-------------|---------|---------|-----|-------|---------|-----|---------|---------|-----|
|             | Mean    | Std Dev | Obs | Mean  | Std Dev | Obs | Mean    | Std Dev | Obs |
| 1940-1950   | 51.17   | 34.60   | 48  | 79.08 | 17.37   | 24  | 23.25   | 22.75   | 24  |
| 1950 - 1960 | 47.83   | 30.12   | 48  | 58.75 | 33.45   | 24  | 36.92   | 22.06   | 24  |
| 1960 - 1970 | 52.19   | 30.83   | 48  | 65.67 | 26.08   | 24  | 38.71   | 29.73   | 24  |
| Total       | 50.40   | 31.74   | 144 | 67.83 | 27.44   | 72  | 32.96   | 25.69   | 72  |

Table 14: GM\_hat2

|           | Overall |         |     |       | Treated |     | Control |         |     |
|-----------|---------|---------|-----|-------|---------|-----|---------|---------|-----|
|           | Mean    | Std Dev | Obs | Mean  | Std Dev | Obs | Mean    | Std Dev | Obs |
| 1940-1950 | 51.44   | 27.37   | 48  | 53.46 | 27.35   | 24  | 49.42   | 27.83   | 24  |
| 1950-1960 | 51.02   | 25.35   | 48  | 51.96 | 25.66   | 24  | 50.08   | 25.56   | 24  |
| 1960-1970 | 53.33   | 25.57   | 48  | 50.92 | 26.89   | 24  | 55.75   | 24.52   | 24  |
| Total     | 51.93   | 25.95   | 144 | 52.11 | 26.28   | 72  | 51.75   | 25.80   | 72  |

Table 15: v2\_blackmig3539\_share

|             | Overall |         |     |      | Treated |     | Control |         |     |  |
|-------------|---------|---------|-----|------|---------|-----|---------|---------|-----|--|
|             | Mean    | Std Dev | Obs | Mean | Std Dev | Obs | Mean    | Std Dev | Obs |  |
| 1940-1950   | 0.07    | 0.07    | 48  | 0.08 | 0.07    | 24  | 0.07    | 0.07    | 24  |  |
| 1950 - 1960 | 0.06    | 0.06    | 48  | 0.06 | 0.07    | 24  | 0.06    | 0.07    | 24  |  |
| 1960 - 1970 | 0.06    | 0.06    | 48  | 0.06 | 0.06    | 24  | 0.06    | 0.07    | 24  |  |
| Total       | 0.07    | 0.07    | 144 | 0.07 | 0.07    | 72  | 0.07    | 0.07    | 72  |  |

Table 16:  $mfg_lfshare$ 

|             | Overall |         |     |       | Treated |     | Control |         |     |
|-------------|---------|---------|-----|-------|---------|-----|---------|---------|-----|
|             | Mean    | Std Dev | Obs | Mean  | Std Dev | Obs | Mean    | Std Dev | Obs |
| 1940-1950   | 22.80   | 11.60   | 48  | 26.16 | 12.23   | 24  | 19.44   | 10.08   | 24  |
| 1950 - 1960 | 26.93   | 12.62   | 48  | 29.46 | 13.47   | 24  | 24.40   | 11.43   | 24  |
| 1960 - 1970 | 27.26   | 10.92   | 48  | 28.61 | 11.26   | 24  | 25.91   | 10.63   | 24  |
| Total       | 25.66   | 11.83   | 144 | 28.07 | 12.26   | 72  | 23.25   | 10.93   | 72  |

Table 17: base\_all\_local

|             | Overall |         |     |        | Treated |     |       | Control |     |  |  |
|-------------|---------|---------|-----|--------|---------|-----|-------|---------|-----|--|--|
|             | Mean    | Std Dev | Obs | Mean   | Std Dev | Obs | Mean  | Std Dev | Obs |  |  |
| 1940-1950   | 98.27   | 79.70   | 48  | 117.38 | 98.02   | 24  | 79.17 | 51.09   | 24  |  |  |
| 1950 - 1960 | 82.40   | 69.83   | 48  | 96.79  | 86.98   | 24  | 68.00 | 44.35   | 24  |  |  |
| 1960 - 1970 | 70.88   | 68.53   | 48  | 85.63  | 86.56   | 24  | 56.13 | 40.64   | 24  |  |  |
| Total       | 83.85   | 73.22   | 144 | 99.93  | 90.36   | 72  | 67.76 | 45.91   | 72  |  |  |

Table 18: base\_schdist\_ind

|             |       | Overall |     |       | Treated |     |       | Control |     |
|-------------|-------|---------|-----|-------|---------|-----|-------|---------|-----|
|             | Mean  | Std Dev | Obs | Mean  | Std Dev | Obs | Mean  | Std Dev | Obs |
| 1940-1950   | 63.96 | 58.79   | 48  | 74.17 | 71.84   | 24  | 53.75 | 41.04   | 24  |
| 1950 - 1960 | 44.10 | 41.04   | 48  | 48.25 | 48.01   | 24  | 39.96 | 33.17   | 24  |
| 1960 - 1970 | 25.00 | 25.04   | 48  | 28.33 | 30.09   | 24  | 21.67 | 18.79   | 24  |
| Total       | 44.35 | 46.37   | 144 | 50.25 | 55.40   | 72  | 38.46 | 34.52   | 72  |

Table 19:  $new_all_local$ 

|             |        | Overall |     |        | Treated |     |        | Control |     |
|-------------|--------|---------|-----|--------|---------|-----|--------|---------|-----|
|             | Mean   | Std Dev | Obs | Mean   | Std Dev | Obs | Mean   | Std Dev | Obs |
| 1940-1950   | -15.88 | 31.55   | 48  | -20.58 | 40.17   | 24  | -11.17 | 19.35   | 24  |
| 1950 - 1960 | -11.52 | 33.97   | 48  | -11.17 | 39.13   | 24  | -11.88 | 28.74   | 24  |
| 1960 - 1970 | -4.69  | 13.85   | 48  | -4.46  | 15.81   | 24  | -4.92  | 11.91   | 24  |
| Total       | -10.69 | 28.12   | 144 | -12.07 | 33.83   | 72  | -9.32  | 21.09   | 72  |

Table 20: new\_schdist\_ind

|             |        | Overall |     |        | Treated |     |        | Control |     |
|-------------|--------|---------|-----|--------|---------|-----|--------|---------|-----|
|             | Mean   | Std Dev | Obs | Mean   | Std Dev | Obs | Mean   | Std Dev | Obs |
| 1940-1950   | -19.85 | 31.75   | 48  | -25.92 | 40.23   | 24  | -13.79 | 19.12   | 24  |
| 1950 - 1960 | -19.10 | 28.46   | 48  | -19.92 | 31.65   | 24  | -18.29 | 25.54   | 24  |
| 1960-1970   | -7.48  | 11.86   | 48  | -7.54  | 12.37   | 24  | -7.42  | 11.60   | 24  |
| Total       | -15.48 | 26.00   | 144 | -17.79 | 30.95   | 72  | -13.17 | 19.84   | 72  |

Table 21: countypop

|           |           | Overall    |     | i         | Treated   |     |           | Control    |     |
|-----------|-----------|------------|-----|-----------|-----------|-----|-----------|------------|-----|
|           | Mean      | Std Dev    | Obs | Mean      | Std Dev   | Obs | Mean      | Std Dev    | Obs |
| 1940-1950 | 371741.31 | 1201087.10 | 48  | 362586.13 | 817225.73 | 24  | 380896.50 | 1509937.02 | 24  |
| 1950-1960 | 419474.19 | 1290495.74 | 48  | 424881.83 | 888980.02 | 24  | 414066.54 | 1616421.91 | 24  |
| 1960-1970 | 404268.27 | 1249734.96 | 48  | 394954.33 | 847262.10 | 24  | 413582.21 | 1572751.35 | 24  |
| Total     | 398494.59 | 1239046.97 | 144 | 394140.76 | 839974.10 | 72  | 402848.42 | 1544831.04 | 72  |

### 6 County Comparisons: By Region and blackmig3539\_share bins

This section compares summary statistics for the 24 decile-census region pairs individually.

### 6.1 NortheastRegion

Table 22: Northeast region, decile 2

|  | Lehigh County, PA (Treated)<br>Mean | Bristol County, MA (Control)<br>Mean |
|--|-------------------------------------|--------------------------------------|
| 1940-1950                              |                                     |                                      |
| blackmig3539_share                     | 0.00                                | 0.00                                 |
| GM                                     | 57.00                               | 5.00                                 |
| GM_hat                                 | 42.00                               | 46.00                                |
| base_all_local                         | 54.00                               | 26.00                                |
| base_schdist_ind                       | 25.00                               | 0.00                                 |
| Number of Local Govts                  | -6.00                               | 17.00                                |
| Number of Independent School Districts | -3.00                               | 0.00                                 |
| mfg_lfshare                            | 41.46                               | 43.19                                |
| countypop                              | 97024.00                            | 263505.00                            |
| 1950-1960                              |                                     |                                      |
| blackmig3539_share                     | 0.00                                | 0.00                                 |
| GM                                     | 3.00                                | 7.00                                 |
| $\mathrm{GM}_{-}\mathrm{hat}$          | 21.00                               | 29.00                                |
| base_all_local                         | 48.00                               | 43.00                                |
| base_schdist_ind                       | 22.00                               | 0.00                                 |
| Number of Local Govts                  | 16.00                               | -2.00                                |
| Number of Independent School Districts | -10.00                              | 2.00                                 |
| mfg_lfshare                            | 44.04                               | 48.79                                |
| countypop                              | 211211.00                           | 261183.00                            |
| 1960-1970                              |                                     |                                      |
| blackmig3539_share                     | 0.00                                | 0.00                                 |
| GM                                     | 51.00                               | 26.00                                |
| $GM_hat$                               | 32.00                               | 35.00                                |
| base_all_local                         | 64.00                               | 41.00                                |
| base_schdist_ind                       | 12.00                               | 2.00                                 |
| Number of Local Govts                  | 3.00                                | 4.00                                 |
| Number of Independent School Districts | -2.00                               | 0.00                                 |
| mfg_lfshare                            | 43.32                               | 46.83                                |
| countypop                              | 108420.00                           | 243352.00                            |

Table 23: Northeast region, decile 3

|  | Oneida County, NY (Treated)<br>Mean | Chittenden County, VT (Control)<br>Mean |
|--|-------------------------------------|---|
| 1940-1950                              |                                     |   |
| blackmig3539_share                     | 0.01                                | 0.01                                    |
| GM                                     | 56.00                               | 2.00                                    |
| $GM_hat$                               | 51.00                               | 26.00                                   |
| base_all_local                         | 276.00                              | 28.00                                   |
| base_schdist_ind                       | 218.00                              | 3.00                                    |
| Number of Local Govts                  | -120.00                             | 1.00                                    |
| Number of Independent School Districts | -140.00                             | 0.00                                    |
| mfg_lfshare                            | 32.52                               | 18.69                                   |
| countypop                              | 134909.00                           | 27710.00                                |
| 1950-1960                              |                                     |   |
| blackmig3539_share                     | 0.01                                | 0.01                                    |
| GM                                     | 44.00                               | 23.00                                   |
| $GM_hat$                               | 30.00                               | 29.00                                   |
| base_all_local                         | 156.00                              | 29.00                                   |
| base_schdist_ind                       | 78.00                               | 3.00                                    |
| Number of Local Govts                  | -56.00                              | 5.00                                    |
| Number of Independent School Districts | -52.00                              | 1.00                                    |
| mfg_lfshare                            | 33.31                               | 23.82                                   |
| countypop                              | 182527.00                           | 33155.00                                |
| 1960-1970                              |                                     |   |
| blackmig3539_share                     | 0.01                                | 0.01                                    |
| GM                                     | 51.00                               | 22.00                                   |
| $GM_hat$                               | 33.00                               | 13.00                                   |
| base_all_local                         | 100.00                              | 34.00                                   |
| base_schdist_ind                       | 26.00                               | 4.00                                    |
| Number of Local Govts                  | -5.00                               | 15.00                                   |
| Number of Independent School Districts | -6.00                               | 17.00                                   |
| mfg_lfshare                            | 28.02                               | 19.12                                   |
| countypop                              | 151900.00                           | 35531.00                                |

Table 24: Northeast region, decile 4

|  | Niagara County, NY (Treated)<br>Mean | Broome County, NY (Control) Mean |
|--|--------------------------------------|----------------------------------|
| 1940-1950                              |                                      |                                  |
| blackmig3539_share                     | 0.03                                 | 0.02                             |
| GM                                     | 69.00                                | 13.00                            |
| GM_hat                                 | 17.00                                | 59.00                            |
| base_all_local                         | 138.00                               | 109.00                           |
| base_schdist_ind                       | 109.00                               | 71.00                            |
| Number of Local Govts                  | -64.00                               | -41.00                           |
| Number of Independent School Districts | -65.00                               | -41.00                           |
| mfg_lfshare                            | 42.28                                | 41.64                            |
| countypop                              | 102554.00                            | 78322.00                         |
| 1950-1960                              |                                      |                                  |
| blackmig3539_share                     | 0.02                                 | 0.02                             |
| GM                                     | 57.00                                | 36.00                            |
| $\mathrm{GM}_{-}\mathrm{hat}$          | 57.00                                | 47.00                            |
| base_all_local                         | 74.00                                | 68.00                            |
| base_schdist_ind                       | 44.00                                | 30.00                            |
| Number of Local Govts                  | -39.00                               | -6.00                            |
| Number of Independent School Districts | -34.00                               | -4.00                            |
| mfg_lfshare                            | 47.86                                | 43.97                            |
| countypop                              | 116005.00                            | 80674.00                         |
| 1960-1970                              |                                      |                                  |
| blackmig3539_share                     | 0.02                                 | 0.02                             |
| GM                                     | 52.00                                | 18.00                            |
| $\mathrm{GM}_{-}\mathrm{hat}$          | 62.00                                | 43.00                            |
| base_all_local                         | 35.00                                | 62.00                            |
| $base\_schdist\_ind$                   | 10.00                                | 26.00                            |
| Number of Local Govts                  | -1.00                                | -13.00                           |
| Number of Independent School Districts | 0.00                                 | -11.00                           |
| mfg_lfshare                            | 40.30                                | 43.60                            |
| countypop                              | 136403.00                            | 76060.00                         |

Table 25: Northeast region, decile 5

|  | Camden County, NJ (Treated) | Lawrence County, PA (Control) |
|--|-----------------------------|-------------------------------|
|  | Mean                        | Mean                          |
| 1940-1950                              |                             |                               |
| blackmig3539_share                     | 0.05                        | 0.04                          |
| GM                                     | 80.00                       | 31.00                         |
| GM_hat                                 | 16.00                       | 69.00                         |
| base_all_local                         | 78.00                       | 56.00                         |
| base_schdist_ind                       | 35.00                       | 28.00                         |
| Number of Local Govts                  | 0.00                        | 0.00                          |
| Number of Independent School Districts | 0.00                        | 0.00                          |
| mfg_lfshare                            | 35.58                       | 25.26                         |
| countypop                              | 117645.00                   | 47778.00                      |
| 1950-1960                              |                             |                               |
| blackmig3539_share                     | 0.04                        | 0.04                          |
| GM                                     | 94.00                       | 46.00                         |
| $GM_hat$                               | 57.00                       | 62.00                         |
| base_all_local                         | 78.00                       | 56.00                         |
| base_schdist_ind                       | 35.00                       | 28.00                         |
| Number of Local Govts                  | 26.00                       | 7.00                          |
| Number of Independent School Districts | 4.00                        | -7.00                         |
| mfg_lfshare                            | 37.48                       | 40.71                         |
| countypop                              | 124555.00                   | 48834.00                      |
| 1960-1970                              |                             |                               |
| blackmig3539_share                     | 0.05                        | 0.05                          |
| GM                                     | 98.00                       | 16.00                         |
| $GM_hat$                               | 11.00                       | 55.00                         |
| base_all_local                         | 104.00                      | 63.00                         |
| base_schdist_ind                       | 39.00                       | 21.00                         |
| Number of Local Govts                  | 8.00                        | -10.00                        |
| Number of Independent School Districts | 2.00                        | -13.00                        |
| mfg_lfshare                            | 38.72                       | 37.65                         |
| countypop                              | 117120.00                   | 44790.00                      |

Table 26: Northeast region, decile 6

|  | Middlesex County, NJ (Treated) Mean | Dutchess County, NY (Control) Mean |
|--|-------------------------------------|------------------------------------|
| 10.10.10.50                            | Wean                                | Mean                               |
| 1940-1950                              | 0.00                                | 0.00                               |
| blackmig3539_share                     | 0.08                                | 0.06                               |
| GM                                     | 78.00                               | 39.00                              |
| GM_hat                                 | 71.00                               | 79.00                              |
| base_all_local                         | 50.00                               | 163.00                             |
| base_schdist_ind                       | 21.00                               | 112.00                             |
| Number of Local Govts                  | 1.00                                | -64.00                             |
| Number of Independent School Districts | 0.00                                | -66.00                             |
| mfg_lfshare                            | 43.26                               | 19.52                              |
| countypop                              | 74509.00                            | 40623.00                           |
| 1950-1960                              |                                     |                                    |
| blackmig3539_share                     | 0.07                                | 0.06                               |
| GM                                     | 67.00                               | 74.00                              |
| $GM_hat$                               | 68.00                               | 74.00                              |
| base_all_local                         | 51.00                               | 99.00                              |
| base_schdist_ind                       | 21.00                               | 46.00                              |
| Number of Local Govts                  | 28.00                               | -28.00                             |
| Number of Independent School Districts | 0.00                                | -28.00                             |
| mfg_lfshare                            | 47.09                               | 26.80                              |
| countypop                              | 80141.00                            | 41023.00                           |
| 1960-1970                              |                                     |                                    |
| blackmig3539_share                     | 0.07                                | 0.07                               |
| GM                                     | 83.00                               | 84.00                              |
| $GM_hat$                               | 76.00                               | 78.00                              |
| base_all_local                         | 79.00                               | 71.00                              |
| base_schdist_ind                       | 21.00                               | 18.00                              |
| Number of Local Govts                  | -3.00                               | -3.00                              |
| Number of Independent School Districts | -1.00                               | -5.00                              |
| mfg_lfshare                            | 42.25                               | 30.86                              |
| countypop                              | 78146.00                            | 38330.00                           |

Table 27: Northeast region, decile 7

|  | Erie County, NY (Treated)<br>Mean | Cambria County, PA (Control)<br>Mean |
|--|-----------------------------------|--------------------------------------|
| 1940-1950                              |                                   |                                      |
| blackmig3539_share                     | 0.09                              | 0.12                                 |
| GM                                     | 80.00                             | 42.00                                |
| $GM_hat$                               | 76.00                             | 83.00                                |
| base_all_local                         | 290.00                            | 124.00                               |
| base_schdist_ind                       | 210.00                            | 57.00                                |
| Number of Local Govts                  | -117.00                           | -4.00                                |
| Number of Independent School Districts | -120.00                           | -2.00                                |
| mfg_lfshare                            | 28.68                             | 22.82                                |
| countypop                              | 600283.00                         | 66758.00                             |
| 1950-1960                              |                                   |                                      |
| blackmig3539_share                     | 0.09                              | 0.13                                 |
| GM                                     | 83.00                             | 35.00                                |
| $GM_hat$                               | 77.00                             | 83.00                                |
| base_all_local                         | 173.00                            | 120.00                               |
| $base\_schdist\_ind$                   | 90.00                             | 55.00                                |
| Number of Local Govts                  | -55.00                            | 38.00                                |
| Number of Independent School Districts | -54.00                            | 1.00                                 |
| mfg_lfshare                            | 36.07                             | 27.81                                |
| countypop                              | 606331.00                         | 63232.00                             |
| 1960-1970                              |                                   |                                      |
| blackmig3539_share                     | 0.09                              | 0.15                                 |
| GM                                     | 73.00                             | 30.00                                |
| $GM_hat$                               | 79.00                             | 68.00                                |
| base_all_local                         | 118.00                            | 158.00                               |
| base_schdist_ind                       | 36.00                             | 56.00                                |
| Number of Local Govts                  | -10.00                            | -39.00                               |
| Number of Independent School Districts | -7.00                             | -44.00                               |
| mfg_lfshare                            | 34.43                             | 32.96                                |
| countypop                              | 562304.00                         | 54120.00                             |

Table 28: Northeast region, decile 8

|  | Philadelphia County, PA (Treated)<br>Mean | Bergen County, NJ (Control)<br>Mean |
|--|---|-------------------------------------|
| 1940-1950                              |   |                                     |
| blackmig3539_share                     | 0.18                                      | 0.14                                |
| GM                                     | 96.00                                     | 4.00                                |
| GM_hat                                 | 82.00                                     | 89.00                               |
| base_all_local                         | 4.00                                      | 142.00                              |
| base_schdist_ind                       | 1.00                                      | 67.00                               |
| Number of Local Govts                  | -1.00                                     | 1.00                                |
| Number of Independent School Districts | 0.00                                      | 1.00                                |
| mfg_lfshare                            | 28.34                                     | 30.77                               |
| countypop                              | 1932994.00                                | 69856.00                            |
| 1950-1960                              |   |                                     |
| blackmig3539_share                     | 0.16                                      | 0.11                                |
| GM                                     | 88.00                                     | 49.00                               |
| $GM_hat$                               | 86.00                                     | 85.00                               |
| base_all_local                         | 3.00                                      | 143.00                              |
| base_schdist_ind                       | 1.00                                      | 68.00                               |
| Number of Local Govts                  | 1.00                                      | 6.00                                |
| Number of Independent School Districts | 0.00                                      | 2.00                                |
| mfg_lfshare                            | 32.96                                     | 36.00                               |
| countypop                              | 2121412.00                                | 83761.00                            |
| 1960-1970                              |   |                                     |
| blackmig3539_share                     | 0.17                                      | 0.11                                |
| GM                                     | 86.00                                     | 59.00                               |
| $GM_hat$                               | 82.00                                     | 90.00                               |
| base_all_local                         | 4.00                                      | 149.00                              |
| base_schdist_ind                       | 1.00                                      | 70.00                               |
| Number of Local Govts                  | 3.00                                      | 7.00                                |
| Number of Independent School Districts | 1.00                                      | 2.00                                |
| mfg_lfshare                            | 31.06                                     | 33.65                               |
| countypop                              | 2004240.00                                | 89287.00                            |

Table 29: Northeast region, decile 9

|  | Essex County, NJ (Treated)<br>Mean | New York County, NY (Control)<br>Mean |
|--|------------------------------------|---------------------------------------|
| 1940-1950                              |                                    |                                       |
| blackmig3539_share                     | 0.20                               | 0.18                                  |
| GM                                     | 89.00                              | 84.00                                 |
| $\mathrm{GM}$ _hat                     | 78.00                              | 81.00                                 |
| base_all_local                         | 43.00                              | 6.00                                  |
| base_schdist_ind                       | 14.00                              | 0.00                                  |
| Number of Local Govts                  | -1.00                              | -4.00                                 |
| Number of Independent School Districts | 0.00                               | 0.00                                  |
| mfg_lfshare                            | 27.91                              | 14.80                                 |
| countypop                              | 642748.00                          | 7461373.00                            |
| 1950-1960                              |                                    |                                       |
| blackmig3539_share                     | 0.19                               | 0.17                                  |
| GM                                     | 98.00                              | 71.00                                 |
| $GM_hat$                               | 90.00                              | 87.00                                 |
| base_all_local                         | 42.00                              | 2.00                                  |
| base_schdist_ind                       | 14.00                              | 0.00                                  |
| Number of Local Govts                  | 2.00                               | 1.00                                  |
| Number of Independent School Districts | 1.00                               | 0.00                                  |
| mfg_lfshare                            | 33.73                              | 21.51                                 |
| countypop                              | 677992.00                          | 7991312.00                            |
| 1960-1970                              |                                    |                                       |
| blackmig3539_share                     | 0.19                               | 0.17                                  |
| GM                                     | 99.00                              | 91.00                                 |
| $GM_hat$                               | 74.00                              | 86.00                                 |
| base_all_local                         | 44.00                              | 3.00                                  |
| base_schdist_ind                       | 15.00                              | 0.00                                  |
| Number of Local Govts                  | 1.00                               | 0.00                                  |
| Number of Independent School Districts | 1.00                               | 0.00                                  |
| mfg_lfshare                            | 31.86                              | 20.54                                 |
| countypop                              | 653032.00                          | 7782400.00                            |

Table 30: Midwest region, decile 2

|  | McLean County, IL (Treated)<br>Mean | Dubuque County, IA (Control)<br>Mean |
|--|-------------------------------------|--------------------------------------|
| 1940-1950                              |                                     |                                      |
| blackmig3539_share                     | 0.01                                | 0.00                                 |
| GM                                     | 45.00                               | 8.00                                 |
| GM_hat                                 | 45.00                               | 44.00                                |
| base_all_local                         | 196.00                              | 88.00                                |
| base_schdist_ind                       | 134.00                              | 66.00                                |
| Number of Local Govts                  | -93.00                              | 0.00                                 |
| Number of Independent School Districts | -105.00                             | -2.00                                |
| mfg_lfshare                            | 8.16                                | 23.93                                |
| countypop                              | 32901.00                            | 44030.00                             |
| 1950-1960                              |                                     |                                      |
| blackmig3539_share                     | 0.01                                | 0.00                                 |
| GM                                     | 39.00                               | 15.00                                |
| GM_hat                                 | 27.00                               | 22.00                                |
| base_all_local                         | 103.00                              | 88.00                                |
| base_schdist_ind                       | 29.00                               | 64.00                                |
| Number of Local Govts                  | 0.00                                | -48.00                               |
| Number of Independent School Districts | -14.00                              | -47.00                               |
| mfg_lfshare                            | 12.84                               | 30.03                                |
| countypop                              | 34163.00                            | 49671.00                             |
| 1960-1970                              |                                     |                                      |
| blackmig3539_share                     | 0.01                                | 0.00                                 |
| GM                                     | 49.00                               | 21.00                                |
| GM_hat                                 | 33.00                               | 38.00                                |
| base_all_local                         | 103.00                              | 40.00                                |
| base_schdist_ind                       | 15.00                               | 17.00                                |
| Number of Local Govts                  | 11.00                               | -14.00                               |
| Number of Independent School Districts | -2.00                               | -15.00                               |
| mfg_lfshare                            | 15.06                               | 28.30                                |
| countypop                              | 36271.00                            | 56606.00                             |

Table 31: Midwest region, decile 3

|  | Pennington County, SD (Treated)<br>Mean | Cerro Gordo County, IA (Control)<br>Mean |
|--|---|--|
| 1940-1950                              |   |  |
| blackmig3539_share                     | 0.01                                    | 0.01                                     |
| GM                                     | 95.00                                   | 3.00                                     |
| GM_hat                                 | 63.00                                   | 53.00                                    |
| base_all_local                         | 103.00                                  | 74.00                                    |
| base_schdist_ind                       | 75.00                                   | 64.00                                    |
| Number of Local Govts                  | 2.00                                    | 2.00                                     |
| Number of Independent School Districts | -2.00                                   | 0.00                                     |
| mfg_lfshare                            | 10.33                                   | 17.49                                    |
| countypop                              | 13876.00                                | 27170.00                                 |
| 1950-1960                              |   |  |
| blackmig3539_share                     | 0.00                                    | 0.01                                     |
| GM                                     | 1.00                                    | 7.00                                     |
| GM_hat                                 | 41.00                                   | 33.00                                    |
| base_all_local                         | 105.00                                  | 76.00                                    |
| $base\_schdist\_ind$                   | 73.00                                   | 64.00                                    |
| Number of Local Govts                  | -21.00                                  | -35.00                                   |
| Number of Independent School Districts | -20.00                                  | -47.00                                   |
| mfg_lfshare                            | 8.40                                    | 17.90                                    |
| countypop                              | 25310.00                                | 27980.00                                 |
| 1960-1970                              |   |  |
| blackmig3539_share                     | 0.00                                    | 0.01                                     |
| GM                                     | 7.00                                    | 16.00                                    |
| GM_hat                                 | 42.00                                   | 44.00                                    |
| base_all_local                         | 84.00                                   | 41.00                                    |
| base_schdist_ind                       | 53.00                                   | 17.00                                    |
| Number of Local Govts                  | -43.00                                  | -13.00                                   |
| Number of Independent School Districts | -48.00                                  | -11.00                                   |
| mfg_lfshare                            | 9.41                                    | 18.31                                    |
| countypop                              | 42399.00                                | 30642.00                                 |

Table 32: Midwest region, decile 4

|  | Kent County, MI (Treated)<br>Mean | Linn County, IA (Control)<br>Mean |
|--|-----------------------------------|-----------------------------------|
| 1940-1950                              |                                   |                                   |
| blackmig3539_share                     | 0.02                              | 0.02                              |
| GM                                     | 74.00                             | 15.00                             |
| $GM_hat$                               | 43.00                             | 65.00                             |
| base_all_local                         | 236.00                            | 87.00                             |
| base_schdist_ind                       | 200.00                            | 70.00                             |
| Number of Local Govts                  | -22.00                            | -8.00                             |
| Number of Independent School Districts | -23.00                            | -10.00                            |
| mfg_lfshare                            | 31.32                             | 20.54                             |
| countypop                              | 164523.00                         | 62256.00                          |
| 1950-1960                              |                                   |                                   |
| blackmig3539_share                     | 0.02                              | 0.02                              |
| GM                                     | 72.00                             | 33.00                             |
| $GM_hat$                               | 42.00                             | 51.00                             |
| base_all_local                         | 214.00                            | 79.00                             |
| base_schdist_ind                       | 177.00                            | 60.00                             |
| Number of Local Govts                  | -124.00                           | -32.00                            |
| Number of Independent School Districts | -124.00                           | -37.00                            |
| mfg_lfshare                            | 38.03                             | 29.15                             |
| countypop                              | 178673.00                         | 72296.00                          |
| 1960-1970                              |                                   |                                   |
| blackmig3539_share                     | 0.02                              | 0.01                              |
| GM                                     | 75.00                             | 38.00                             |
| GM_hat                                 | 30.00                             | 44.00                             |
| base_all_local                         | 90.00                             | 47.00                             |
| base_schdist_ind                       | 53.00                             | 23.00                             |
| Number of Local Govts                  | -34.00                            | -8.00                             |
| Number of Independent School Districts | -34.00                            | -11.00                            |
| mfg_lfshare                            | 34.28                             | 35.34                             |
| countypop                              | 177020.00                         | 92035.00                          |

Table 33: Midwest region, decile 5

|  | Erie County, OH (Treated) Mean | Buchanan County, MO (Control)<br>Mean |
|--|--------------------------------|---------------------------------------|
| 1040 1050                              | Wican                          | Mean                                  |
| 1940-1950                              | 0.04                           | 0.04                                  |
| blackmig3539_share                     | 0.04                           | 0.04                                  |
| GM                                     | 84.00                          | 3.00                                  |
| GM_hat                                 | 70.00                          | 19.00                                 |
| base_all_local                         | 27.00                          | 71.00                                 |
| base_schdist_ind                       | 11.00                          | 62.00                                 |
| Number of Local Govts                  | 1.00                           | -24.00                                |
| Number of Independent School Districts | -1.00                          | -24.00                                |
| $mfg\_lfshare$                         | 26.60                          | 19.23                                 |
| countypop                              | 24958.00                       | 75822.00                              |
| 1950-1960                              |                                |                                       |
| blackmig3539_share                     | 0.03                           | 0.04                                  |
| GM                                     | 82.00                          | 3.00                                  |
| $GM_hat$                               | 59.00                          | 45.00                                 |
| base_all_local                         | 28.00                          | 47.00                                 |
| base_schdist_ind                       | 10.00                          | 38.00                                 |
| Number of Local Govts                  | -1.00                          | -27.00                                |
| Number of Independent School Districts | -2.00                          | -29.00                                |
| mfg_lfshare                            | 38.72                          | 25.40                                 |
| countypop                              | 29375.00                       | 78588.00                              |
| 1960-1970                              |                                |                                       |
| blackmig3539_share                     | 0.03                           | 0.04                                  |
| GM                                     | 68.00                          | 8.00                                  |
| $GM_hat$                               | 49.00                          | 57.00                                 |
| base_all_local                         | 27.00                          | 20.00                                 |
| base_schdist_ind                       | 8.00                           | 9.00                                  |
| Number of Local Govts                  | 1.00                           | 1.00                                  |
| Number of Independent School Districts | -1.00                          | -4.00                                 |
| mfg_lfshare                            | 33.60                          | 27.40                                 |
| countypop                              | 31989.00                       | 79673.00                              |

Table 34: Midwest region, decile 6

|  | Allen County, OH (Treated)<br>Mean | Boone County, MO (Control)<br>Mean |
|--|------------------------------------|------------------------------------|
| 1940-1950                              |                                    |                                    |
| blackmig3539_share                     | 0.08                               | 0.06                               |
| GM                                     | 79.00                              | 1.00                               |
| $\mathrm{GM}$ _hat                     | 86.00                              | 10.00                              |
| base_all_local                         | 37.00                              | 97.00                              |
| base_schdist_ind                       | 14.00                              | 85.00                              |
| Number of Local Govts                  | 2.00                               | -41.00                             |
| Number of Independent School Districts | 0.00                               | -43.00                             |
| mfg_lfshare                            | 24.75                              | 5.75                               |
| countypop                              | 44813.00                           | 18425.00                           |
| 1950-1960                              |                                    |                                    |
| blackmig3539_share                     | 0.07                               | 0.03                               |
| GM                                     | 84.00                              | 44.00                              |
| $GM\_hat$                              | 72.00                              | 3.00                               |
| base_all_local                         | 39.00                              | 56.00                              |
| base_schdist_ind                       | 14.00                              | 42.00                              |
| Number of Local Govts                  | 0.00                               | -26.00                             |
| Number of Independent School Districts | -1.00                              | -26.00                             |
| $mfg\_lfshare$                         | 29.95                              | 7.14                               |
| countypop                              | 50246.00                           | 31974.00                           |
| 1960-1970                              |                                    |                                    |
| blackmig3539_share                     | 0.07                               | 0.03                               |
| GM                                     | 72.00                              | 67.00                              |
| $GM_hat$                               | 72.00                              | 52.00                              |
| base_all_local                         | 39.00                              | 30.00                              |
| base_schdist_ind                       | 13.00                              | 16.00                              |
| Number of Local Govts                  | -4.00                              | -5.00                              |
| Number of Independent School Districts | -4.00                              | -5.00                              |
| mfg_lfshare                            | 34.71                              | 8.07                               |
| countypop                              | 51200.00                           | 36650.00                           |

Table 35: Midwest region, decile 7

|  | Lorain County, OH (Treated) | St. Clair County, MI (Control) |
|--|-----------------------------|--------------------------------|
|  | Mean                        | Mean                           |
| 1940-1950                              |                             |                                |
| blackmig3539_share                     | 0.09                        | 0.08                           |
| GM                                     | 90.00                       | 35.00                          |
| $GM_hat$                               | 59.00                       | 88.00                          |
| base_all_local                         | 66.00                       | 180.00                         |
| base_schdist_ind                       | 30.00                       | 146.00                         |
| Number of Local Govts                  | -1.00                       | -15.00                         |
| Number of Independent School Districts | -2.00                       | -14.00                         |
| mfg_lfshare                            | 39.85                       | 27.30                          |
| countypop                              | 69258.00                    | 32877.00                       |
| 1950-1960                              |                             |                                |
| blackmig3539_share                     | 0.05                        | 0.08                           |
| GM                                     | 55.00                       | 39.00                          |
| $GM_hat$                               | 61.00                       | 75.00                          |
| base_all_local                         | 65.00                       | 165.00                         |
| base_schdist_ind                       | 28.00                       | 132.00                         |
| Number of Local Govts                  | -9.00                       | -106.00                        |
| Number of Independent School Districts | -13.00                      | -106.00                        |
| mfg_lfshare                            | 47.49                       | 35.60                          |
| countypop                              | 113708.00                   | 35725.00                       |
| 1960-1970                              |                             |                                |
| blackmig3539_share                     | 0.05                        | 0.07                           |
| GM                                     | 73.00                       | 41.00                          |
| $GM_hat$                               | 9.00                        | 76.00                          |
| base_all_local                         | 56.00                       | 59.00                          |
| base_schdist_ind                       | 15.00                       | 26.00                          |
| Number of Local Govts                  | -1.00                       | -17.00                         |
| Number of Independent School Districts | 1.00                        | -18.00                         |
| mfg_lfshare                            | 43.00                       | 30.29                          |
| countypop                              | 112422.00                   | 36084.00                       |

Table 36: Midwest region, decile 8

|  | Saginaw County, MI (Treated)<br>Mean | Scioto County, OH (Control)<br>Mean |
|--|--------------------------------------|-------------------------------------|
| 1940-1950                              |                                      |                                     |
| blackmig3539_share                     | 0.18                                 | 0.15                                |
| GM                                     | 92.00                                | 1.00                                |
| $GM_hat$                               | 89.00                                | 50.00                               |
| base_all_local                         | 190.00                               | 42.00                               |
| base_schdist_ind                       | 156.00                               | 17.00                               |
| Number of Local Govts                  | -30.00                               | -2.00                               |
| Number of Independent School Districts | -31.00                               | -1.00                               |
| mfg_lfshare                            | 30.09                                | 25.46                               |
| countypop                              | 82928.00                             | 40333.00                            |
| 1950-1960                              |                                      |                                     |
| blackmig3539_share                     | 0.16                                 | 0.16                                |
| GM                                     | 95.00                                | 38.00                               |
| $GM_hat$                               | 85.00                                | 82.00                               |
| base_all_local                         | 160.00                               | 40.00                               |
| base_schdist_ind                       | 125.00                               | 16.00                               |
| Number of Local Govts                  | -89.00                               | -4.00                               |
| Number of Independent School Districts | -92.00                               | -4.00                               |
| mfg_lfshare                            | 39.90                                | 32.74                               |
| countypop                              | 92918.00                             | 36798.00                            |
| 1960-1970                              |                                      |                                     |
| blackmig3539_share                     | 0.15                                 | 0.18                                |
| GM                                     | 83.00                                | 1.00                                |
| $GM_hat$                               | 86.00                                | 1.00                                |
| base_all_local                         | 71.00                                | 36.00                               |
| base_schdist_ind                       | 33.00                                | 12.00                               |
| Number of Local Govts                  | -17.00                               | 0.00                                |
| Number of Independent School Districts | -20.00                               | -2.00                               |
| mfg_lfshare                            | 37.79                                | 32.49                               |
| countypop                              | 98280.00                             | 33637.00                            |

Table 37: Midwest region, decile 9

|  | Cook County, IL (Treated)<br>Mean | Jasper County, MO (Control)<br>Mean |
|--|-----------------------------------|-------------------------------------|
| 1940-1950                              |                                   |                                     |
| blackmig3539_share                     | 0.24                              | 0.25                                |
| GM                                     | 93.00                             | 2.00                                |
| $GM_hat$                               | 94.00                             | 93.00                               |
| base_all_local                         | 383.00                            | 141.00                              |
| base_schdist_ind                       | 193.00                            | 112.00                              |
| Number of Local Govts                  | 39.00                             | -27.00                              |
| Number of Independent School Districts | -29.00                            | -27.00                              |
| mfg_lfshare                            | 29.00                             | 16.91                               |
| countypop                              | 3672323.00                        | 36872.00                            |
| 1950-1960                              |                                   |                                     |
| blackmig3539_share                     | 0.22                              | 0.24                                |
| GM                                     | 91.00                             | 25.00                               |
| $GM_hat$                               | 94.00                             | 86.00                               |
| base_all_local                         | 422.00                            | 114.00                              |
| base_schdist_ind                       | 164.00                            | 85.00                               |
| Number of Local Govts                  | 38.00                             | -42.00                              |
| Number of Independent School Districts | -13.00                            | -45.00                              |
| mfg_lfshare                            | 35.10                             | 19.32                               |
| countypop                              | 3943184.00                        | 38711.00                            |
| 1960-1970                              |                                   |                                     |
| blackmig3539_share                     | 0.23                              | 0.24                                |
| GM                                     | 93.00                             | 7.00                                |
| $GM_hat$                               | 97.00                             | 99.00                               |
| base_all_local                         | 460.00                            | 72.00                               |
| base_schdist_ind                       | 151.00                            | 40.00                               |
| Number of Local Govts                  | 40.00                             | -26.00                              |
| Number of Independent School Districts | 3.00                              | -29.00                              |
| mfg_lfshare                            | 32.54                             | 23.46                               |
| countypop                              | 3841130.00                        | 38958.00                            |

Table 38: West region, decile 2

|  | Cascade County, MT (Treated)<br>Mean | Marion County, OR (Control)<br>Mean |
|--|--------------------------------------|-------------------------------------|
| 1940-1950                              |                                      |                                     |
| blackmig3539_share                     | 0.00                                 | 0.00                                |
| GM                                     | 34.00                                | 33.00                               |
| $\mathrm{GM}$ _hat                     | 18.00                                | 27.00                               |
| base_all_local                         | 72.00                                | 138.00                              |
| base_schdist_ind                       | 64.00                                | 113.00                              |
| Number of Local Govts                  | -11.00                               | -19.00                              |
| Number of Independent School Districts | -12.00                               | -35.00                              |
| mfg_lfshare                            | 13.82                                | 13.19                               |
| countypop                              | 29992.00                             | 31003.00                            |
| 1950-1960                              |                                      |                                     |
| blackmig3539_share                     | 0.00                                 | 0.00                                |
| GM                                     | 20.00                                | 12.00                               |
| $GM_hat$                               | 21.00                                | 18.00                               |
| base_all_local                         | 61.00                                | 119.00                              |
| base_schdist_ind                       | 52.00                                | 78.00                               |
| Number of Local Govts                  | -14.00                               | -26.00                              |
| Number of Independent School Districts | -14.00                               | -36.00                              |
| mfg_lfshare                            | 14.20                                | 14.67                               |
| countypop                              | 39214.00                             | 43140.00                            |
| 1960-1970                              |                                      |                                     |
| blackmig3539_share                     | 0.00                                 | 0.00                                |
| GM                                     | 9.00                                 | 32.00                               |
| $GM_hat$                               | 16.00                                | 29.00                               |
| base_all_local                         | 47.00                                | 93.00                               |
| base_schdist_ind                       | 38.00                                | 42.00                               |
| Number of Local Govts                  | -20.00                               | 2.00                                |
| Number of Independent School Districts | -20.00                               | -6.00                               |
| mfg_lfshare                            | 12.66                                | 13.98                               |
| countypop                              | 55244.00                             | 49142.00                            |

Table 39: West region, decile 3

|  | Yakima County, WA (Treated) | Silver Bow County, MT (Control) |
|--|-----------------------------|---------------------------------|
|  | Mean                        | Mean                            |
| 1940-1950                              |                             |                                 |
| blackmig3539_share                     | 0.01                        | 0.01                            |
| GM                                     | 65.00                       | 20.00                           |
| GM_hat                                 | 48.00                       | 48.00                           |
| base_all_local                         | 115.00                      | 13.00                           |
| base_schdist_ind                       | 45.00                       | 9.00                            |
| Number of Local Govts                  | -46.00                      | -1.00                           |
| Number of Independent School Districts | -22.00                      | -1.00                           |
| mfg_lfshare                            | 6.29                        | 4.08                            |
| countypop                              | 27294.00                    | 37129.00                        |
| 1950-1960                              |                             |                                 |
| blackmig3539_share                     | 0.01                        | 0.01                            |
| GM                                     | 29.00                       | 4.00                            |
| GM_hat                                 | 25.00                       | 30.00                           |
| base_all_local                         | 69.00                       | 12.00                           |
| base_schdist_ind                       | 23.00                       | 8.00                            |
| Number of Local Govts                  | -1.00                       | 1.00                            |
| Number of Independent School Districts | -4.00                       | 0.00                            |
| mfg_lfshare                            | 7.98                        | 6.09                            |
| countypop                              | 38486.00                    | 33251.00                        |
| 1960-1970                              |                             |                                 |
| blackmig3539_share                     | 0.01                        | 0.01                            |
| GM                                     | 32.00                       | 8.00                            |
| GM_hat                                 | 31.00                       | 48.00                           |
| base_all_local                         | 68.00                       | 13.00                           |
| base_schdist_ind                       | 19.00                       | 8.00                            |
| Number of Local Govts                  | -3.00                       | -3.00                           |
| Number of Independent School Districts | -4.00                       | -3.00                           |
| mfg_lfshare                            | 11.14                       | 7.67                            |
| countypop                              | 43284.00                    | 27877.00                        |

Table 40: West region, decile 4

|  | Kitsap County, WA (Treated)<br>Mean | Salt Lake County, UT (Control)<br>Mean |
|--|-------------------------------------|--|
| 1940-1950                              |                                     |  |
| blackmig3539_share                     | 0.02                                | 0.02                                   |
| GM                                     | 86.00                               | 19.00                                  |
| GM_hat                                 | 68.00                               | 42.00                                  |
| base_all_local                         | 35.00                               | 16.00                                  |
| base_schdist_ind                       | 6.00                                | 4.00                                   |
| Number of Local Govts                  | 20.00                               | 6.00                                   |
| Number of Independent School Districts | -1.00                               | 0.00                                   |
| mfg_lfshare                            | 34.20                               | 12.40                                  |
| countypop                              | 15147.00                            | 150095.00                              |
| 1950-1960                              |                                     |  |
| blackmig3539_share                     | 0.01                                | 0.02                                   |
| GM                                     | 8.00                                | 34.00                                  |
| $GM_hat$                               | 43.00                               | 41.00                                  |
| base_all_local                         | 55.00                               | 22.00                                  |
| base_schdist_ind                       | 5.00                                | 4.00                                   |
| Number of Local Govts                  | 10.00                               | 8.00                                   |
| Number of Independent School Districts | 0.00                                | 0.00                                   |
| mfg_lfshare                            | 34.76                               | 13.36                                  |
| countypop                              | 27678.00                            | 187858.00                              |
| 1960-1970                              |                                     |  |
| blackmig3539_share                     | 0.01                                | 0.02                                   |
| GM                                     | 39.00                               | 12.00                                  |
| $GM_hat$                               | 46.00                               | 41.00                                  |
| base_all_local                         | 65.00                               | 30.00                                  |
| base_schdist_ind                       | 5.00                                | 4.00                                   |
| Number of Local Govts                  | 8.00                                | 8.00                                   |
| Number of Independent School Districts | 0.00                                | 0.00                                   |
| mfg_lfshare                            | 38.43                               | 16.43                                  |
| countypop                              | 28922.00                            | 200220.00                              |

Table 41: West region, decile 5

|  | San Francisco County, CA (Treated) | Orange County, CA (Control) |
|--|------------------------------------|-----------------------------|
|  | Mean                               | Mean                        |
| 1940-1950                              |                                    |                             |
| blackmig3539_share                     | 0.03                               | 0.03                        |
| GM                                     | 98.00                              | 46.00                       |
| $GM_hat$                               | 13.00                              | 14.00                       |
| base_all_local                         | 7.00                               | 95.00                       |
| base_schdist_ind                       | 1.00                               | 54.00                       |
| Number of Local Govts                  | 0.00                               | 5.00                        |
| Number of Independent School Districts | 0.00                               | 0.00                        |
| mfg_lfshare                            | 14.23                              | 8.56                        |
| countypop                              | 636011.00                          | 31938.00                    |
| 1950-1960                              |                                    |                             |
| blackmig3539_share                     | 0.02                               | 0.02                        |
| GM                                     | 2.00                               | 60.00                       |
| GM_hat                                 | 25.00                              | 20.00                       |
| base_all_local                         | 7.00                               | 100.00                      |
| $base\_schdist\_ind$                   | 1.00                               | 54.00                       |
| Number of Local Govts                  | 0.00                               | 14.00                       |
| Number of Independent School Districts | 0.00                               | -12.00                      |
| mfg_lfshare                            | 15.56                              | 15.83                       |
| countypop                              | 1193811.00                         | 45533.00                    |
| 1960-1970                              |                                    |                             |
| blackmig3539_share                     | 0.03                               | 0.01                        |
| GM                                     | 65.00                              | 77.00                       |
| GM_hat                                 | 64.00                              | 41.00                       |
| base_all_local                         | 7.00                               | 114.00                      |
| $base\_schdist\_ind$                   | 1.00                               | 42.00                       |
| Number of Local Govts                  | 1.00                               | -3.00                       |
| Number of Independent School Districts | 1.00                               | -8.00                       |
| mfg_lfshare                            | 15.39                              | 28.00                       |
| countypop                              | 740500.00                          | 100350.00                   |

Table 42: West region, decile 6

|  | Sacramento County, CA (Treated) Mean | Santa Clara County, CA (Control)<br>Mean |
|--|--------------------------------------|--|
| 1940-1950                              | 2,200,2                              | 2.2001                                   |
| blackmig3539_share                     | 0.07                                 | 0.06                                     |
| GM                                     | 75.00                                | 49.00                                    |
| GM_hat                                 | 25.00                                | 63.00                                    |
| base_all_local                         | 136.00                               | 87.00                                    |
| base schdist ind                       | 66.00                                | 59.00                                    |
| Number of Local Govts                  | -2.00                                | -5.00                                    |
| Number of Independent School Districts | -20.00                               | -11.00                                   |
| mfg_lfshare                            | 7.53                                 | 12.01                                    |
| countypop                              | 106533.00                            | 85491.00                                 |
| 1950-1960                              |                                      |  |
| blackmig3539_share                     | 0.05                                 | 0.04                                     |
| GM                                     | 82.00                                | 56.00                                    |
| GM_hat                                 | 50.00                                | 44.00                                    |
| base_all_local                         | 134.00                               | 82.00                                    |
| base_schdist_ind                       | 46.00                                | 48.00                                    |
| Number of Local Govts                  | -25.00                               | 6.00                                     |
| Number of Independent School Districts | -25.00                               | -2.00                                    |
| mfg_lfshare                            | 9.13                                 | 17.08                                    |
| countypop                              | 137877.00                            | 124183.00                                |
| 1960-1970                              |                                      |  |
| blackmig3539_share                     | 0.04                                 | 0.04                                     |
| GM                                     | 93.00                                | 87.00                                    |
| GM_hat                                 | 75.00                                | 70.00                                    |
| base_all_local                         | 109.00                               | 88.00                                    |
| base_schdist_ind                       | 21.00                                | 46.00                                    |
| Number of Local Govts                  | -8.00                                | -13.00                                   |
| Number of Independent School Districts | -4.00                                | -9.00                                    |
| mfg_lfshare                            | 15.42                                | 28.00                                    |
| countypop                              | 191667.00                            | 124967.00                                |

Table 43: West region, decile 7

|  | Riverside County, CA (Treated) Mean | Pueblo County, CO (Control) Mean |
|--|-------------------------------------|----------------------------------|
| 1040 1070                              | Wedn                                | Wear                             |
| 1940-1950                              | 0.00                                | 0.00                             |
| blackmig3539_share                     | 0.08                                | 0.09                             |
| GM                                     | 85.00                               | 19.00                            |
| GM_hat                                 | 44.00                               | 15.00                            |
| base_all_local                         | 102.00                              | 63.00                            |
| base_schdist_ind                       | 59.00                               | 51.00                            |
| Number of Local Govts                  | -25.00                              | -42.00                           |
| Number of Independent School Districts | -13.00                              | -45.00                           |
| mfg_lfshare                            | 4.92                                | 24.90                            |
| countypop                              | 34900.00                            | 52349.00                         |
| 1950-1960                              |                                     |                                  |
| blackmig3539_share                     | 0.06                                | 0.07                             |
| GM                                     | 69.00                               | 39.00                            |
| $GM_hat$                               | 31.00                               | 28.00                            |
| base_all_local                         | 77.00                               | 21.00                            |
| base_schdist_ind                       | 46.00                               | 6.00                             |
| Number of Local Govts                  | 50.00                               | 3.00                             |
| Number of Independent School Districts | -4.00                               | -3.00                            |
| mfg_lfshare                            | 7.71                                | 26.54                            |
| countypop                              | 46764.00                            | 63685.00                         |
| 1960-1970                              |                                     |                                  |
| blackmig3539_share                     | 0.03                                | 0.05                             |
| GM                                     | 71.00                               | 18.00                            |
| $GM_hat$                               | 50.00                               | 71.00                            |
| base_all_local                         | 127.00                              | 24.00                            |
| base_schdist_ind                       | 42.00                               | 3.00                             |
| Number of Local Govts                  | -7.00                               | 0.00                             |
| Number of Independent School Districts | -10.00                              | -1.00                            |
| mfg_lfshare                            | 13.75                               | 32.19                            |
| countypop                              | 84280.00                            | 91181.00                         |

Table 44: West region, decile 8

|  | Contra Costa County, CA (Treated) | Denver County, CO (Control) |
|--|-----------------------------------|-----------------------------|
|  | Mean                              | Mean                        |
| 1940-1950                              |                                   |                             |
| blackmig3539_share                     | 0.13                              | 0.14                        |
| GM                                     | 100.00                            | 70.00                       |
| $GM_hat$                               | 2.00                              | 12.00                       |
| base_all_local                         | 103.00                            | 4.00                        |
| base_schdist_ind                       | 50.00                             | 1.00                        |
| Number of Local Govts                  | -6.00                             | 0.00                        |
| Number of Independent School Districts | -16.00                            | 0.00                        |
| mfg_lfshare                            | 37.97                             | 12.64                       |
| countypop                              | 23706.00                          | 322780.00                   |
| 1950-1960                              |                                   |                             |
| blackmig3539_share                     | 0.03                              | 0.11                        |
| GM                                     | 47.00                             | 63.00                       |
| $GM_hat$                               | 5.00                              | 55.00                       |
| base_all_local                         | 97.00                             | 4.00                        |
| $base\_schdist\_ind$                   | 34.00                             | 1.00                        |
| Number of Local Govts                  | 5.00                              | 1.00                        |
| Number of Independent School Districts | -2.00                             | 0.00                        |
| mfg_lfshare                            | 28.28                             | 16.05                       |
| countypop                              | 99545.00                          | 419558.00                   |
| 1960-1970                              |                                   |                             |
| blackmig3539_share                     | 0.04                              | 0.09                        |
| GM                                     | 100.00                            | 68.00                       |
| $GM_hat$                               | 4.00                              | 82.00                       |
| base_all_local                         | 102.00                            | 5.00                        |
| base_schdist_ind                       | 32.00                             | 1.00                        |
| Number of Local Govts                  | -17.00                            | 4.00                        |
| Number of Independent School Districts | -13.00                            | 0.00                        |
| mfg_lfshare                            | 27.23                             | 17.36                       |
| countypop                              | 71854.00                          | 493887.00                   |

Table 45: West region, decile 9

|  | Solano County, CA (Treated)<br>Mean | El Paso County, CO (Control)<br>Mean |
|--|-------------------------------------|--------------------------------------|
| 1940-1950                              |                                     |                                      |
| blackmig3539_share                     | 0.19                                | 0.19                                 |
| GM                                     | 98.00                               | 14.00                                |
| GM_hat                                 | 83.00                               | 11.00                                |
| base_all_local                         | 76.00                               | 50.00                                |
| base_schdist_ind                       | 43.00                               | 39.00                                |
| Number of Local Govts                  | -14.00                              | -3.00                                |
| Number of Independent School Districts | -17.00                              | -10.00                               |
| mfg_lfshare                            | 28.63                               | 5.55                                 |
| countypop                              | 20238.00                            | 37021.00                             |
| 1950-1960                              |                                     |                                      |
| blackmig3539_share                     | 0.15                                | 0.15                                 |
| GM                                     | 100.00                              | 73.00                                |
| GM_hat                                 | 80.00                               | 73.00                                |
| base_all_local                         | 62.00                               | 47.00                                |
| base_schdist_ind                       | 26.00                               | 29.00                                |
| Number of Local Govts                  | -10.00                              | 7.00                                 |
| Number of Independent School Districts | -5.00                               | -12.00                               |
| mfg_lfshare                            | 26.53                               | 9.24                                 |
| countypop                              | 26038.00                            | 45472.00                             |
| 1960-1970                              |                                     |                                      |
| blackmig3539_share                     | 0.06                                | 0.10                                 |
| GM                                     | 54.00                               | 82.00                                |
| GM_hat                                 | 69.00                               | 77.00                                |
| base_all_local                         | 52.00                               | 54.00                                |
| base_schdist_ind                       | 21.00                               | 17.00                                |
| Number of Local Govts                  | -10.00                              | 8.00                                 |
| Number of Independent School Districts | -14.00                              | -2.00                                |
| mfg_lfshare                            | 22.18                               | 9.35                                 |
| countypop                              | 60877.00                            | 70194.00                             |