## P6 Penultimate Analyses

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Table 1: Unweighted Descriptive Statistics

| Statistic                  | N     | Mean    | St. Dev. | Min     | Pctl(25) | Median  | Pctl(75) | Max     |
|----------------------------|-------|---------|----------|---------|----------|---------|----------|---------|
| Statistic                  | 11    | Mean    | St. Dev. | IVIIII  | F Cu(25) | Median  | F Cu(13) | Max     |
| Ex-Felon Percentage        | 1,550 | 3.761   | 1.757    | 0.440   | 2.450    | 3.425   | 4.700    | 12.340  |
| Not Employed Rate          | 1,550 | 23.263  | 4.632    | 12.986  | 20.135   | 22.967  | 26.149   | 43.963  |
| Unemployment Rate          | 1,550 | 6.063   | 2.244    | 2.206   | 4.529    | 5.577   | 7.187    | 19.048  |
| Idleness Rate              | 1,550 | 17.378  | 3.351    | 9.973   | 15.012   | 17.173  | 19.351   | 29.125  |
| Can't Find Work Rate       | 850   | 17.773  | 3.440    | 10.299  | 15.393   | 17.597  | 19.942   | 28.769  |
| Population Share 16-25     | 1,550 | 19.483  | 2.708    | 13.331  | 17.547   | 18.882  | 20.899   | 30.243  |
| Population Share 26-35     | 1,550 | 19.973  | 3.072    | 12.553  | 17.418   | 20.136  | 22.191   | 32.668  |
| Population Share 36-45     | 1,550 | 18.805  | 2.444    | 12.446  | 17.068   | 18.934  | 20.554   | 29.022  |
| Population Share 46-55     | 1,550 | 15.359  | 2.712    | 10.274  | 12.913   | 14.907  | 17.822   | 23.034  |
| Population Share 56-65     | 1,550 | 11.912  | 1.639    | 6.368   | 10.808   | 11.777  | 12.914   | 17.791  |
| Population Share 66+       | 1,550 | 14.467  | 2.256    | 3.526   | 13.277   | 14.646  | 15.751   | 20.604  |
| Ovr. Unemployment Rate t   | 1,550 | 6.035   | 2.138    | 2.219   | 4.548    | 5.606   | 7.148    | 17.831  |
| Ovr. Unemployment Rate t-1 | 1,500 | 5.940   | 2.075    | 2.219   | 4.480    | 5.540   | 6.970    | 17.831  |
| Ovr. Unemployment Rate t-2 | 1,450 | 5.849   | 2.019    | 2.219   | 4.442    | 5.492   | 6.828    | 17.831  |
| Ovr. Unemployment Rate t-3 | 1,400 | 5.866   | 2.040    | 2.219   | 4.441    | 5.495   | 6.860    | 17.831  |
| Disability Rate            | 1,150 | 0.519   | 0.135    | 0.214   | 0.425    | 0.500   | 0.596    | 1.079   |
| SSI Rate                   | 1,550 | 21.445  | 9.921    | 3.817   | 14.181   | 18.966  | 26.520   | 59.248  |
| Marriage Rate              | 1,550 | 59.207  | 5.445    | 44.599  | 55.085   | 58.601  | 63.221   | 75.752  |
| Effective Wage             | 1,550 | 4.711   | 1.293    | 3.100   | 3.350    | 4.270   | 5.150    | 8.550   |
| Mean TANF Maximum          | 1,550 | 382.618 | 151.914  | 92.000  | 281.667  | 356.500 | 473.333  | 925.333 |
| Unemployment Compensation  | 1,550 | 350.348 | 67.075   | 157.124 | 302.552  | 348.668 | 394.420  | 581.813 |

Table 2: Pairwise Correlations

| Variable             | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10   | 11   | 12 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|----|
| Not Employed Rate    | 1     |       |       |       |       |       |       |       |       |      |      |    |
| Unemployment Rate    | 0.83  | 1     |       |       |       |       |       |       |       |      |      |    |
| Idleness Rate        | 0.82  | 0.46  | 1     |       |       |       |       |       |       |      |      |    |
| Can't Find Work Rate | 0.95  | 0.53  | 1     | 1     |       |       |       |       |       |      |      |    |
| Disability Rate      | 0.47  | 0.26  | 0.51  | 0.52  | 1     |       |       |       |       |      |      |    |
| SSI Rate             | 0.45  | 0.17  | 0.67  | 0.74  | 0.62  | 1     |       |       |       |      |      |    |
| Marriage Rate        | 0.16  | 0.2   | -0.19 | -0.33 | -0.1  | -0.29 | 1     |       |       |      |      |    |
| Ex-Felon Percentage  | -0.11 | -0.14 | 0.15  | 0.15  | -0.04 | 0.19  | -0.63 | 1     |       |      |      |    |
| SSDI Rate            | 0.61  | 0.3   | 0.65  | 0.65  | 0.81  | 0.84  | -0.22 | -0.14 | 1     |      |      |    |
| Effective Wage       | -0.12 | -0.11 | 0.19  | 0.19  | 0.11  | 0.22  | -0.75 | 0.67  | 0.06  | 1    |      |    |
| Mean TANF Maximum    | -0.34 | -0.19 | -0.28 | -0.3  | -0.26 | -0.33 | -0.34 | 0.12  | -0.41 | 0.34 | 1    |    |
| Unemployment Comp.   | 0.04  | 0.03  | 0.15  | 0.09  | 0.11  | 0.04  | -0.17 | 0.11  | 0.01  | 0.28 | 0.13 | 1  |

# Scatterplot of First Differences – Not Employed Rate OLS Fit

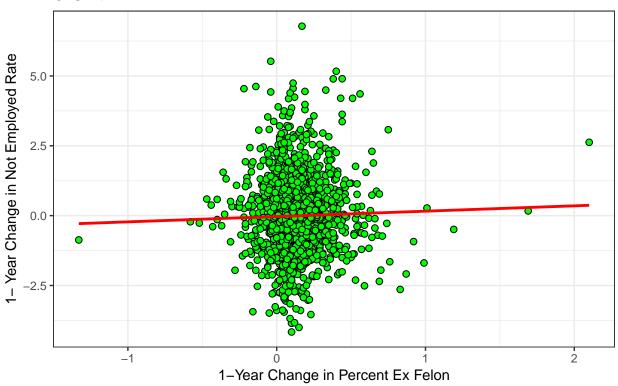


Table 3: Panel Models of Not Employed Rate, 1988-2010

|                         | (1)           | (2)               | (3)               | (4)                   | (5)                   |
|-------------------------|---------------|-------------------|-------------------|-----------------------|-----------------------|
| Ex-Felon Percentage     | 0.319*(0.154) | 0.312(0.230)      | $0.246 \ (0.226)$ | 0.353** (0.120)       | $0.342^{***} (0.103)$ |
| Pop. Share 26-35        | , ,           | -0.016(0.155)     | -0.021(0.177)     | -0.049(0.058)         | $0.037 \ (0.053)$     |
| Pop. Share 36-45        |               | $0.227 \ (0.183)$ | 0.177(0.207)      | $-0.034\ (0.056)$     | 0.018(0.050)          |
| Pop. Share 46-55        |               | -0.101(0.168)     | -0.175(0.199)     | -0.206**(0.063)       | $-0.121^* (0.058)$    |
| Pop. Share 56-65        |               | -0.348(0.226)     | -0.401 (0.218)    | $0.088 \ (0.059)$     | $0.143^{**} (0.055)$  |
| Pop. Share 66+          |               | $0.140 \ (0.134)$ | 0.090(0.129)      | -0.077(0.053)         | 0.015 (0.050)         |
| Disab. Rate             |               |                   | 2.125(1.421)      | 2.194*** (0.400)      | 1.887*** (0.370)      |
| Marriage Rate           |               |                   | 0.018(0.104)      | 0.009(0.030)          | $0.007 \ (0.027)$     |
| Effective Wage          |               |                   | $0.452 \ (0.339)$ | -0.070 (0.133)        | -0.066 (0.106)        |
| Mean TANF Maximum       |               |                   | -0.003(0.004)     | -0.001 (0.002)        | 0.000 (0.002)         |
| Unemployment Comp.      |               |                   | $0.003 \ (0.003)$ | 0.000 (0.002)         | -0.000(0.001)         |
| Ovr. Unemp. Rate t-1    |               |                   |                   | $0.908^{***} (0.058)$ | $0.103^{**} (0.039)$  |
| Ovr. Unemp. Rate t-2    |               |                   |                   | -0.089 (0.050)        | -0.042 (0.039)        |
| Ovr. Unemp. Rate t-3    |               |                   |                   | 0.070 (0.049)         | $0.204^{***} (0.040)$ |
| Ovr. Unemp. Rate t      |               |                   |                   |                       | $0.886^{***} (0.050)$ |
| State FE                | Yes           | Yes               | Yes               | Yes                   | Yes                   |
| Year FE                 | Yes           | Yes               | Yes               | Yes                   | Yes                   |
| Observations            | 1,150         | 1,150             | 1,150             | 1,150                 | 1,150                 |
| $\mathbb{R}^2$          | 0.015         | 0.027             | 0.047             | 0.388                 | 0.575                 |
| Adjusted R <sup>2</sup> | -0.051        | -0.043            | -0.026            | 0.339                 | 0.540                 |

Notes:

Clustered Standard Errors by State and Year.

<sup>\*\*\*</sup>Significant at the 0.1 percent level.

<sup>\*\*</sup>Significant at the 1 percent level.

<sup>\*</sup>Significant at the 5 percent level.

Table 4: Models of Alternative Employment Measures

|                         | Idleness              | Unemployment           | Can't Find Work       |  |  |
|-------------------------|-----------------------|------------------------|-----------------------|--|--|
|                         | (1)                   | (2)                    | (3)                   |  |  |
| Ex-Felon Percentage     | $0.337^{***} (0.100)$ | 0.025 (0.040)          | $0.249^* \ (0.122)$   |  |  |
| Pop. Share 26-35        | $0.053 \ (0.053)$     | $-0.086^{***} (0.023)$ | $0.043 \ (0.063)$     |  |  |
| Pop. Share 36-45        | $0.024 \ (0.050)$     | -0.044*(0.022)         | $0.080 \ (0.053)$     |  |  |
| Pop. Share 46-55        | $-0.121^* (0.060)$    | $-0.096^{***} (0.025)$ | -0.062 (0.071)        |  |  |
| Pop. Share 56-65        | 0.132* (0.055)        | $-0.060^* (0.026)$     | 0.085 (0.070)         |  |  |
| Pop. Share 66+          | $0.026 \ (0.051)$     | $-0.091^{***} (0.020)$ | $0.093 \ (0.063)$     |  |  |
| Disab. Rate             | $1.946^{***} (0.382)$ | $0.416 \ (0.215)$      | $2.496^{***} (0.392)$ |  |  |
| Marriage Rate           | $0.024 \ (0.027)$     | -0.010 (0.012)         | -0.022 (0.032)        |  |  |
| Effective Wage          | -0.052 (0.111)        | -0.008 (0.058)         | $0.030\ (0.097)$      |  |  |
| Mean TANF Maximum       | 0.000(0.002)          | -0.001 (0.001)         | $0.001\ (0.002)$      |  |  |
| Unemployment Comp.      | 0.000(0.001)          | 0.000(0.001)           | $0.001 \ (0.001)$     |  |  |
| Ovr. Unemp. Rate t-1    | $0.140^{***} (0.038)$ | $0.928^{***} (0.040)$  | $0.214^{***} (0.052)$ |  |  |
| Ovr. Unemp. Rate t-2    | -0.047(0.040)         | -0.094*(0.037)         | $0.035 \ (0.045)$     |  |  |
| Ovr. Unemp. Rate t-3    | $0.202^{***} (0.041)$ | $-0.135^{***} (0.028)$ | 0.138*** (0.039)      |  |  |
| Ovr. Unemp. Rate t      | $0.088 \; (0.050)$    |                        | 0.009 (0.055)         |  |  |
| State FE                | Yes                   | Yes                    | Yes                   |  |  |
| Year FE                 | Yes                   | Yes                    | Yes                   |  |  |
| Observations            | 1,150                 | 1,150                  | 850                   |  |  |
| $\mathbb{R}^2$          | 0.153                 | 0.574                  | 0.106                 |  |  |
| Adjusted R <sup>2</sup> | 0.084                 | 0.540                  | 0.013                 |  |  |

Notes:

Clustered Standard Errors by State and Year

<sup>\*\*\*</sup>Significant at the 0.1 percent level.

<sup>\*\*</sup>Significant at the 1 percent level.

<sup>\*</sup>Significant at the 5 percent level.

#### Alternative Sample Models

Table 5: Alternative Sample Models

|                         | Male                  | Female                | Black                 | White                 | WA                    |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                         | (1)                   | (2)                   | (3)                   | (4)                   | (5)                   |
| Ex-Felon Percentage     | 0.110 (0.089)         | 0.579*** (0.173)      | 0.351 (0.225)         | 0.433*** (0.123)      | 0.335** (0.105)       |
| Pop. Share 26-35        | $0.083\ (0.045)$      | $0.042 \ (0.077)$     | $0.224\ (0.141)$      | $0.063 \ (0.057)$     | 0.116** (0.044)       |
| Pop. Share 36-45        | $0.241^{***} (0.050)$ | -0.119(0.068)         | $0.084 \ (0.129)$     | $0.066 \ (0.052)$     | $0.068 \; (0.048)$    |
| Pop. Share 46-55        | 0.059 (0.039)         | $-0.252^*$ (0.100)    | -0.045 (0.210)        | -0.099(0.068)         | -0.106 (0.055)        |
| Pop. Share 56-65        | 0.106*(0.048)         | $0.171 \ (0.090)$     | 0.472*(0.199)         | 0.155*(0.063)         | 0.413*** (0.060)      |
| Pop. Share 66+          | 0.203***(0.046)       | -0.126(0.079)         | 0.112(0.123)          | $0.049\ (0.056)$      | 0.124** (0.045)       |
| Disab. Rate             | $2.170^{***} (0.243)$ | $0.845 \ (0.573)$     | $1.764^{***} (0.118)$ | 1.828*** (0.415)      | 0.881*** (0.180)      |
| Marriage Rate           | -0.145***(0.021)      | 0.090*(0.035)         | -0.213***(0.015)      | $0.009 \ (0.030)$     | -0.009(0.030)         |
| Effective Wage          | $0.213^{**} (0.076)$  | -0.325 (0.195)        | -0.541 (0.312)        | -0.010 (0.120)        | -0.009(0.101)         |
| Mean TANF Maximum       | 0.001 (0.001)         | -0.000(0.003)         | 0.007 (0.004)         | -0.001 (0.002)        | 0.001 (0.001)         |
| Unemployment Comp.      | -0.002 (0.001)        | 0.002 (0.002)         | -0.003 (0.004)        | 0.000(0.001)          | 0.000(0.001)          |
| Ovr. Unemp. Rate t-1    | $0.109^{***} (0.033)$ | 0.097 (0.059)         | -0.033(0.137)         | $0.136^{**} (0.041)$  | $0.116^{***} (0.035)$ |
| Ovr. Unemp. Rate t-2    | -0.023 (0.035)        | -0.043 (0.061)        | -0.109(0.144)         | -0.077(0.041)         | -0.022 (0.036)        |
| Ovr. Unemp. Rate t-3    | 0.054 (0.031)         | $0.339^{***} (0.069)$ | $0.741^{***} (0.131)$ | $0.091\ (0.047)$      | $0.210^{***} (0.038)$ |
| Ovr. Unemp. Rate t      | $1.108^{***} (0.049)$ | $0.675^{***} (0.077)$ | $1.257^{***} (0.137)$ | $0.854^{***} (0.054)$ | $0.826^{***} (0.043)$ |
| State FE                | Yes                   | Yes                   | Yes                   | Yes                   | Yes                   |
| Year FE                 | Yes                   | Yes                   | Yes                   | Yes                   | Yes                   |
| Observations            | 1,150                 | 1,150                 | 982                   | 1,150                 | 1,150                 |
| $\mathbb{R}^2$          | 0.608                 | 0.333                 | 0.181                 | 0.512                 | 0.576                 |
| Adjusted R <sup>2</sup> | 0.576                 | 0.279                 | 0.103                 | 0.472                 | 0.541                 |

Notes:

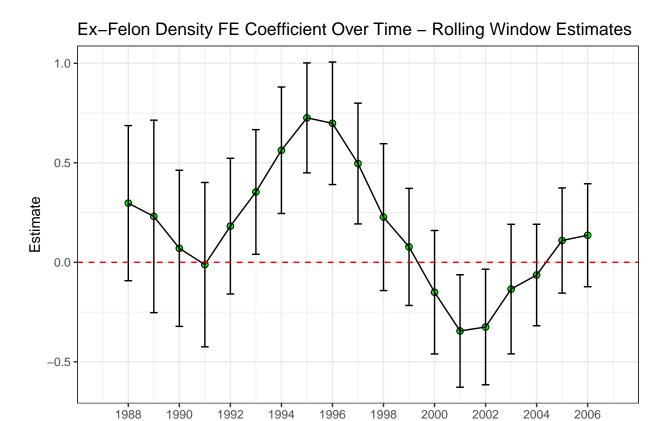
Clustered Standard Errors by State and Year.

<sup>\*\*\*</sup>Significant at the 0.1 percent level.

<sup>\*\*</sup>Significant at the 1 percent level.

<sup>\*</sup>Significant at the 5 percent level.

#### Rolling-Window Models and Plot



5-Year Window Start Year

#### Alternative Specifications of Disability

Table 6: Alternative Specifications of Disability

|                         |                      | with SSI             |                      |
|-------------------------|----------------------|----------------------|----------------------|
|                         | (1)                  | (2)                  | (3)                  |
| Ex-Felon Percentage     | 0.327** (0.102)      | 0.341*** (0.089)     | 0.351*** (0.093)     |
| Pop. Share 26-35        | $0.031 \ (0.052)$    | $0.031\ (0.049)$     | $0.033\ (0.050)$     |
| Pop. Share 36-45        | 0.017(0.049)         | -0.041(0.047)        | -0.037(0.048)        |
| Pop. Share 46-55        | $-0.123^{*}(0.057)$  | -0.225***(0.064)     | -0.221***(0.065)     |
| Pop. Share 56-65        | 0.122*(0.053)        | $0.059 \ (0.053)$    | $0.090\ (0.056)$     |
| Pop. Share 66+          | $0.022\ (0.051)$     | $0.017\ (0.052)$     | 0.008(0.051)         |
| Disab.rate              | 2.048*** (0.354)     | $2.243^{***}(0.441)$ | $2.124^{***}(0.444)$ |
| SSI Rate                | -0.058*(0.023)       | $-0.042\ (0.025)$    | ,                    |
| Marriage Rate           | $0.008 \ (0.026)$    | $0.042\ (0.025)$     | 0.037 (0.025)        |
| Effective Wage          | -0.026(0.109)        | $0.102\ (0.122)$     | $0.070\ (0.123)$     |
| Mean TANF Maximum       | $0.000 \ (0.002)$    | $0.001\ (0.001)$     | 0.000(0.001)         |
| Unemployment Comp.      | -0.000(0.001)        | -0.002(0.001)        | -0.002(0.001)        |
| Ovr. Unemp. Rate t-1    | 0.107**(0.039)       | $0.087^{**} (0.030)$ | $0.085^{**}(0.030)$  |
| Ovr. Unemp. Rate t-2    | $-0.036\ (0.038)$    | $-0.018\ (0.027)$    | -0.022(0.027)        |
| Ovr. Unemp. Rate t-3    | $0.201^{***}(0.038)$ | $0.218^{***}(0.043)$ | $0.220^{***}(0.044)$ |
| Ovr. Unemp. Rate t      | 0.857***(0.049)      | 0.908***(0.045)      | 0.926***(0.046)      |
| State FE                | Yes                  | Yes                  | Yes                  |
| Year FE                 | Yes                  | Yes                  | Yes                  |
| Observations            | 1,150                | 1,400                | 1,400                |
| $\mathbb{R}^2$          | 0.577                | 0.603                | 0.602                |
| Adjusted R <sup>2</sup> | 0.542                | 0.575                | 0.575                |

Notes:

Clustered Standard Errors by State and Year.

<sup>\*\*\*</sup>Significant at the 0.1 percent level.

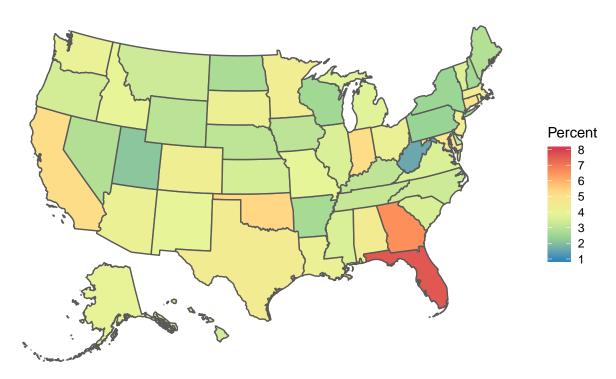
<sup>\*\*</sup>Significant at the 1 percent level.

<sup>\*</sup>Significant at the 5 percent level.

### Felon Density Maps

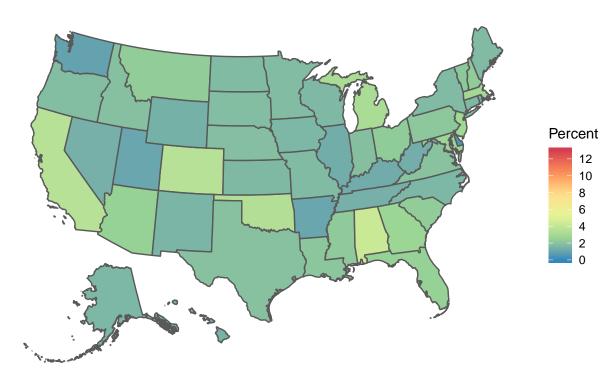
Ex-Felon Density in the United States: 1980-2010

Shannon et al. 2017



### Ex-Felon Density in the United States: 1980

Shannon et al. 2017



### Ex-Felon Density in the United States: 2010

Shannon et al. 2017

