

P6 Penultimate Analyses

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Descriptive Statistics

Table 1: Unweighted Descriptive Statistics

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Median	Pctl(75)	Max
Felony History Pct.	1,150	4.275	1.718	1.200	3.030	3.960	5.188	12.340
Not Employed Rate	1,150	22.230	4.237	12.986	19.323	21.935	24.869	37.585
Population Share 16-25	1,150	18.318	1.780	13.331	17.218	18.183	19.343	27.342
Population Share 26-35	1,150	19.068	2.792	12.553	16.760	18.732	21.314	29.370
Population Share 36-45	1,150	19.705	1.996	13.676	18.315	19.768	21.020	29.022
Population Share 46-55	1,150	16.306	2.482	10.655	14.069	16.740	18.344	23.034
Population Share 56-65	1,150	11.838	1.749	7.055	10.545	11.517	12.931	17.791
Population Share 66+	1,150	14.764	2.117	5.395	13.761	14.937	15.928	20.551
Bachelor's Degree Rate	1,150	21.609	7.688	4.539	18.459	22.703	26.425	41.208
Marriage Rate	1,150	57.067	4.227	44.599	54.123	56.793	59.817	71.036
Ovr. Unemployment Rate t	1,150	5.505	1.780	2.219	4.282	5.229	6.376	14.523
Ovr. Unemployment Rate t-1	1,150	5.391	1.643	2.219	4.259	5.206	6.307	13.243
Ovr. Unemployment Rate t-2	1,150	5.320	1.553	2.219	4.250	5.180	6.224	13.287
Ovr. Unemployment Rate t-3	1,150	5.394	1.624	2.219	4.267	5.210	6.291	13.287
Self-Report Disability Rate	1,150	6.229	1.624	2.565	5.099	6.003	7.154	12.952
SSI Rate	1,150	2.739	1.161	0.765	1.893	2.402	3.324	7.110
Effective Wage	1,150	5.190	1.166	3.350	4.250	5.150	5.750	8.550
Mean TANF Maximum	1,150	403.792	155.250	117.667	289.333	376.333	507.667	925.333
Unemployment Compensation	1,150	358.496	65.844	157.124	311.618	356.399	400.119	581.813
Poverty Rate	1,150	10.932	3.182	1.841	8.564	10.471	12.982	22.374

Maps

Felon Density Maps

Figure 1: Felony History Pct. in the United States: 1988–2010

Shannon et al. 2017

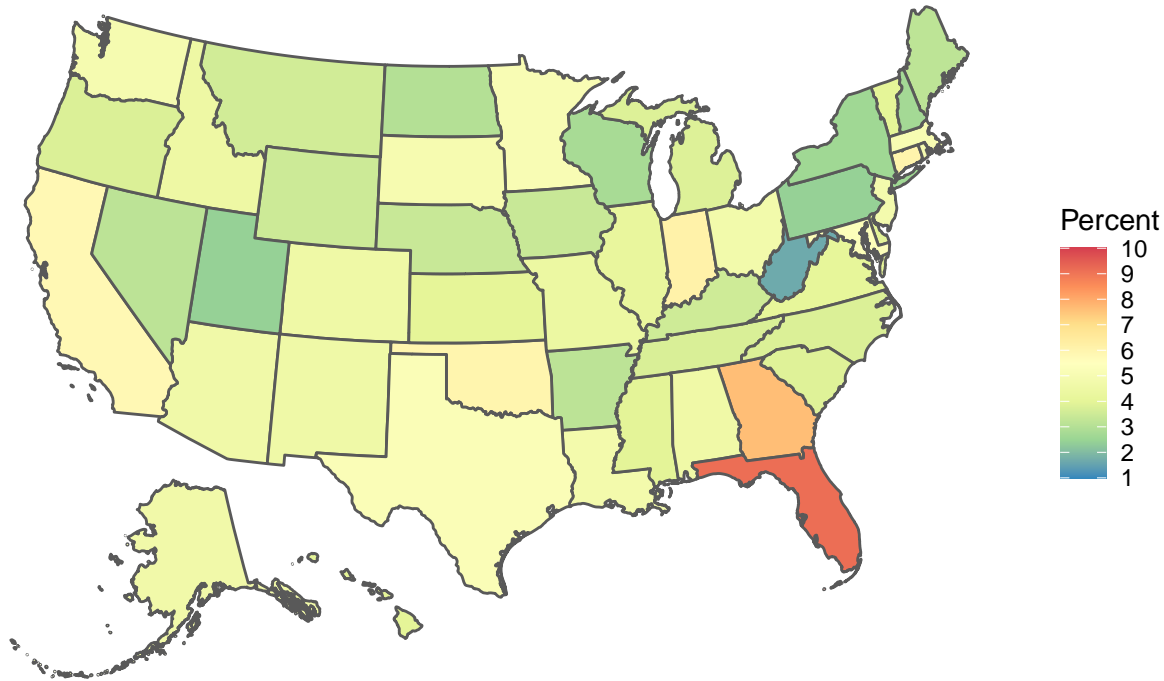
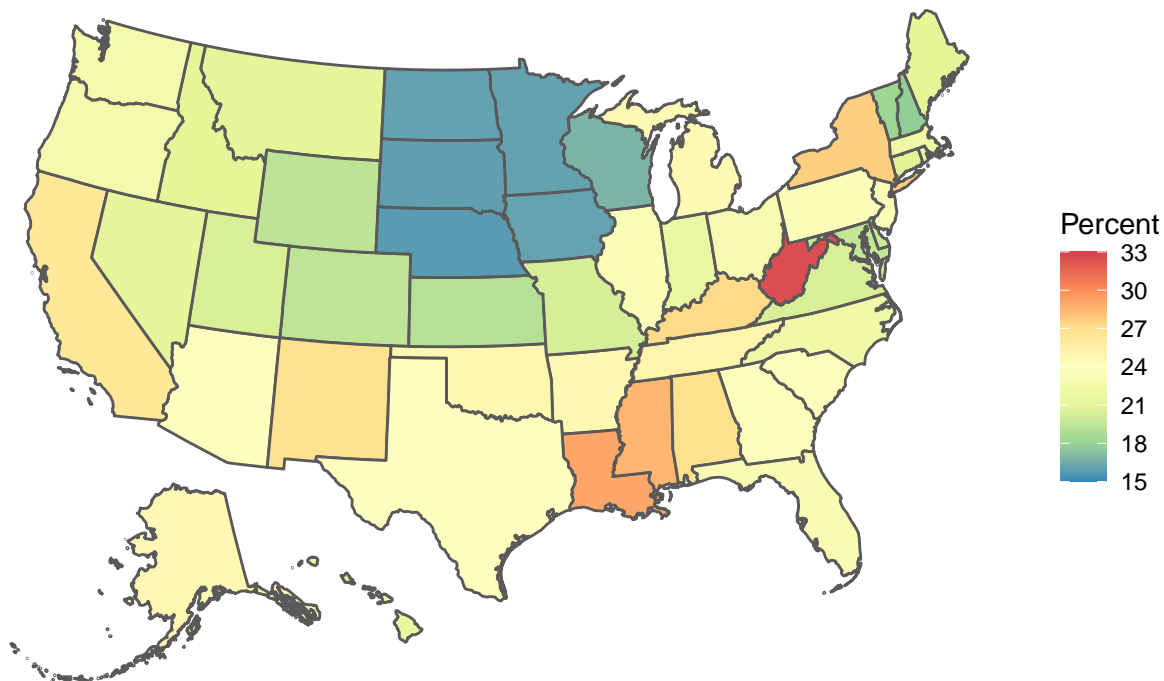


Figure 3: NER in the United States: 1988–2010

Current Population Survey



Spaghetti Plots

Figure 4: Non Employment Rate (18–54) by State

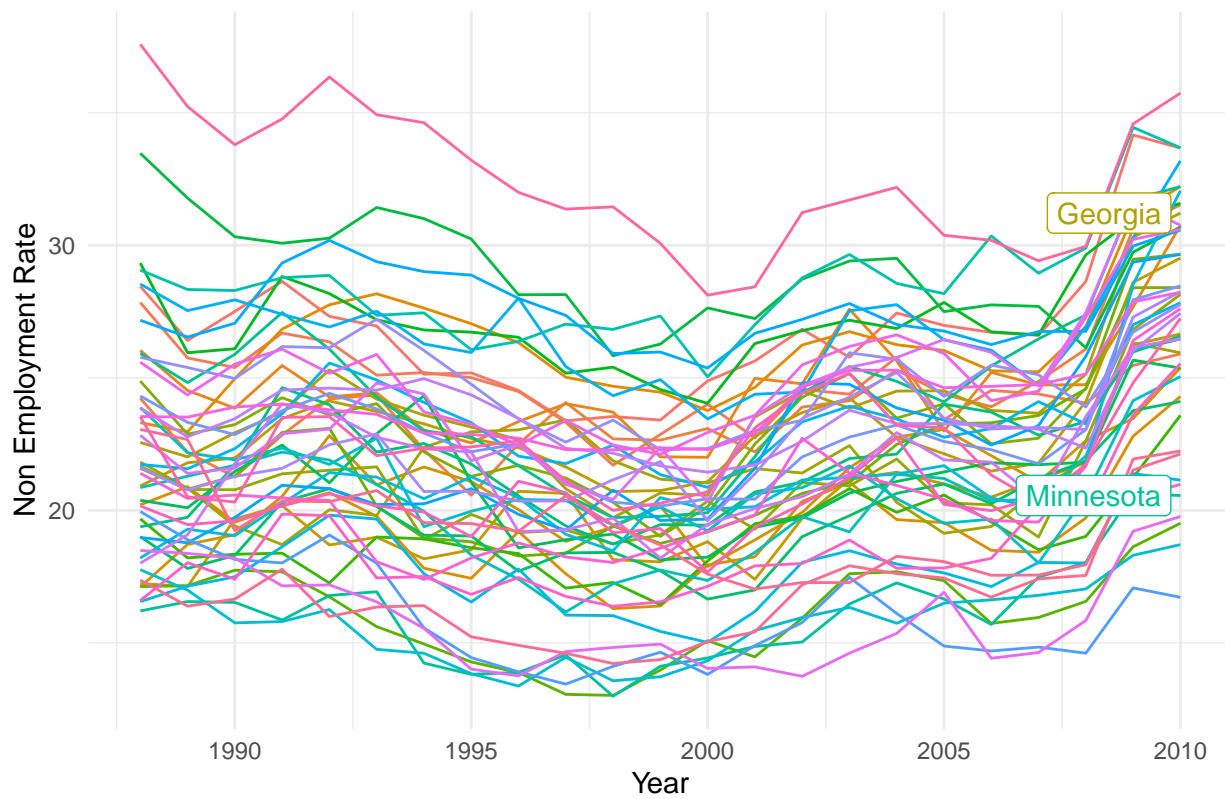
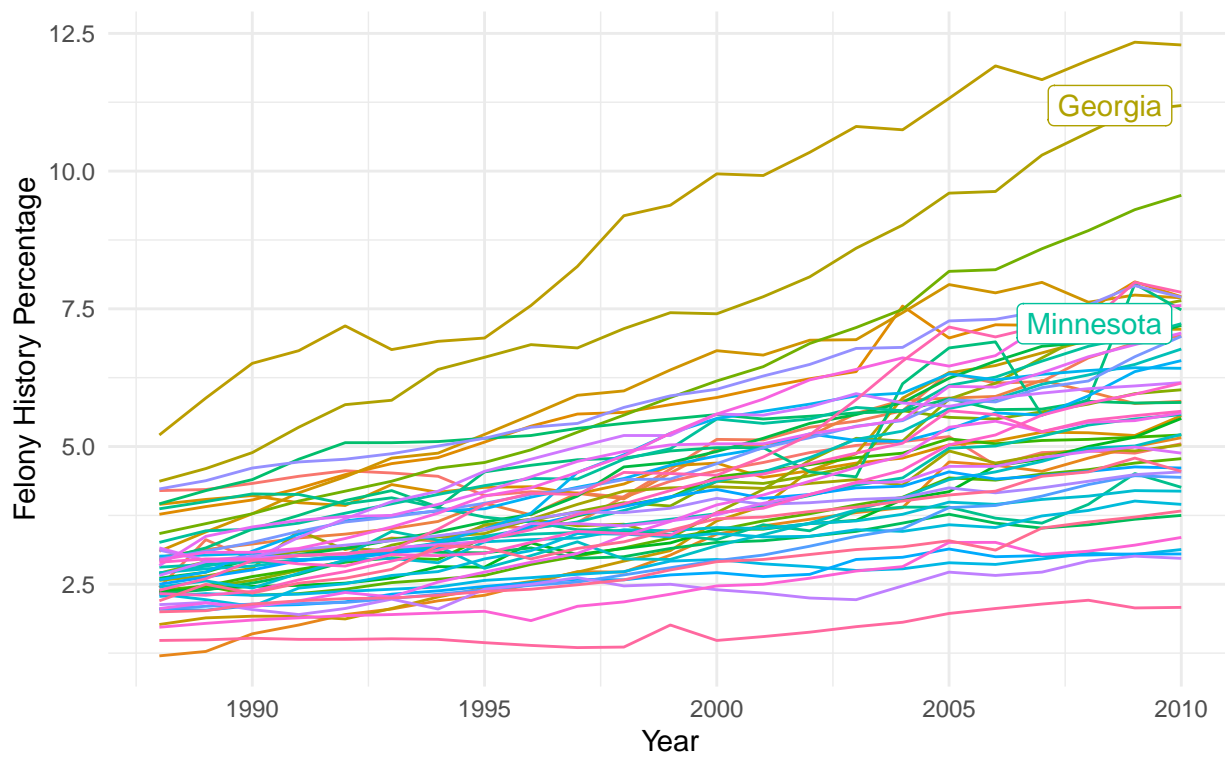


Figure 2: Estimated Felony History Pct. by State

Shannon et. al. 2017



Overall Models

Table 2: Panel Models of Not Employed Rate, 1988-2010

Dependent Variable: Model:	Not Employed Rate			
	(1)	(2)	(3)	(4)
<i>Variables</i>				
Felony History Pct.	0.3062* (0.1620)	0.3135* (0.1595)	0.3035** (0.1177)	0.3331*** (0.1102)
Pop. Share 26-35		0.0685 (0.0970)	0.0407 (0.0726)	0.0117 (0.0748)
Pop. Share 36-45		-0.0051 (0.1138)	0.0597 (0.0716)	0.0235 (0.0731)
Pop. Share 46-55		0.0230 (0.1117)	-0.0594 (0.1068)	-0.0905 (0.1069)
Pop. Share 56-65		0.2038 (0.1440)	0.1558* (0.0784)	0.1495* (0.0777)
Pop. Share 66+		0.0816 (0.0996)	0.0492 (0.0745)	0.0177 (0.0739)
Degree Rate		0.0114 (0.0579)	-0.0586* (0.0335)	-0.0477 (0.0340)
Marriage Rate		-0.0061 (0.0672)	-0.0107 (0.0405)	0.0126 (0.0396)
Ovr. Unemp. Rate t			0.8974*** (0.0712)	0.8893*** (0.0667)
Ovr. Unemp. Rate t-1			0.0901 (0.0731)	0.0978 (0.0724)
Ovr. Unemp. Rate t-2			-0.0185 (0.0539)	-0.0348 (0.0542)
Ovr. Unemp. Rate t-3			0.2174*** (0.0493)	0.2141*** (0.0549)
Disab. Rate				0.1515*** (0.0531)
Effective Wage				-0.0492 (0.1299)
Mean TANF Maximum				0.0003 (0.0020)
Unemployment Comp.				-0.0005 (0.0011)
<i>Fixed-effects</i>				
State	Yes	Yes	Yes	Yes
Year	Yes	Yes	Yes	Yes
<i>Fit statistics</i>				
Observations	1,150	1,150	1,150	1,150
R ²	0.911095	0.912076	0.962031	0.962853
Within R ²	0.02767	0.038398	0.584739	0.593733

Two-way (State & Year) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Robustness Checks

Alternative Specifications of Disability

Table 3: Alternative Sample Models

Dependent Variable:	Not Employed Rate			
	Male	Female	Black	White
Model:	(1)	(2)	(3)	(4)
<i>Variables</i>				
Felony History Pct.	0.1058 (0.0742)	0.5606*** (0.1882)	0.0451 (0.0719)	0.4048*** (0.1249)
Pop. Share 26-35	0.0662 (0.0680)	-0.0030 (0.1122)	0.1495 (0.2232)	0.0507 (0.0732)
Pop. Share 36-45	0.2218*** (0.0650)	-0.0998 (0.1007)	0.1588 (0.1795)	0.0910 (0.0733)
Pop. Share 46-55	0.0821 (0.0607)	-0.2212 (0.1773)	-0.0199 (0.2537)	-0.0345 (0.1263)
Pop. Share 56-65	0.1172 (0.0690)	0.1714 (0.1236)	0.4684* (0.2655)	0.1872* (0.1004)
Pop. Share 66+	0.2012*** (0.0502)	-0.1219 (0.1197)	0.0304 (0.2121)	0.0630 (0.0799)
Degree Rate	-0.0140 (0.0206)	-0.0802 (0.0560)	-0.0786 (0.0557)	-0.0809** (0.0317)
Marriage Rate	-0.1502*** (0.0265)	0.1070** (0.0459)	-0.1918*** (0.0369)	0.0085 (0.0392)
Ovr. Unemp. Rate t	1.107*** (0.0634)	0.6819*** (0.1051)	1.305*** (0.1895)	0.8587*** (0.0686)
Ovr. Unemp. Rate t-1	0.1044* (0.0586)	0.0923 (0.1129)	-0.0799 (0.1587)	0.1274* (0.0660)
Ovr. Unemp. Rate t-2	-0.0161 (0.0461)	-0.0350 (0.0554)	-0.0517 (0.1465)	-0.0562 (0.0432)
Ovr. Unemp. Rate t-3	0.0497* (0.0243)	0.3650*** (0.1024)	0.7336*** (0.1741)	0.1045 (0.0612)
Disab. Rate	0.1864*** (0.0314)	0.0542 (0.0777)	0.1575*** (0.0317)	0.1366*** (0.0529)
Effective Wage	0.2024*** (0.0646)	-0.2756 (0.2217)	-0.5899 (0.3723)	-0.0045 (0.1615)
Mean TANF Maximum	0.0008 (0.0012)	0.0003 (0.0033)	0.0069 (0.0051)	-0.0006 (0.0022)
Unemployment Comp.	-0.0020* (0.0011)	0.0017 (0.0020)	-0.0049 (0.0050)	-0.0002 (0.0014)
Disab. Imputed			-4.089** (1.512)	
Marriage Imputed			0.9365 (1.188)	
<i>Fixed-effects</i>				
State	Yes	Yes	Yes	Yes
Year	Yes	Yes	Yes	Yes
<i>Fit statistics</i>				
Observations	1,150	1,150	1,118	1,150
R ²	0.961595	0.936003	0.866953	0.954656
Within R ²	0.648531	0.363663	0.333861	0.537394

Two-way (State & Year) standard-errors in parentheses

*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 4: Alternative Specifications of Disability

Dependent Variable: Model:	Not Employed Rate		
	w/SSI (1)	Imputed (2)	Imputed w/o SSI (3)
<i>Variables</i>			
Felony History Pct.	0.3123*** (0.1050)	0.3128*** (0.0834)	0.3283*** (0.0926)
Pop. Share 26-35	-0.0018 (0.0731)	-0.0032 (0.0707)	0.0054 (0.0730)
Pop. Share 36-45	0.0159 (0.0715)	-0.0122 (0.0800)	-0.0016 (0.0810)
Pop. Share 46-55	-0.0921 (0.0999)	-0.1497 (0.1007)	-0.1466 (0.1037)
Pop. Share 56-65	0.1258* (0.0701)	0.0915 (0.0719)	0.1316 (0.0796)
Pop. Share 66+	0.0249 (0.0718)	0.0429 (0.0772)	0.0318 (0.0770)
Degree Rate	-0.0507 (0.0334)	-0.0749** (0.0331)	-0.0742** (0.0338)
Marriage Rate	0.0127 (0.0376)	0.0460 (0.0348)	0.0419 (0.0369)
Ovr. Unemp. Rate t	0.8535*** (0.0637)	0.9098*** (0.0583)	0.9359*** (0.0605)
Ovr. Unemp. Rate t-1	0.1000 (0.0693)	0.0865* (0.0476)	0.0850 (0.0522)
Ovr. Unemp. Rate t-2	-0.0262 (0.0546)	-0.0049 (0.0432)	-0.0107 (0.0489)
Ovr. Unemp. Rate t-3	0.2106*** (0.0454)	0.2288*** (0.0518)	0.2313*** (0.0574)
Disab. Rate	0.1681*** (0.0507)	0.1773*** (0.0504)	0.1633*** (0.0529)
SSI Rate	-0.5682** (0.2526)	-0.4677* (0.2442)	
Effective Wage	-0.0031 (0.1361)	0.1275 (0.1409)	0.0881 (0.1453)
Mean TANF Maximum	0.0006 (0.0019)	0.0012 (0.0017)	0.0007 (0.0019)
Unemployment Comp.	-0.0004 (0.0011)	-0.0016 (0.0013)	-0.0016 (0.0013)
<i>Fixed-effects</i>			
State	Yes	Yes	Yes
Year	Yes	Yes	Yes
<i>Fit statistics</i>			
Observations	1,150	1,400	1,400
R ²	0.963663	0.961013	0.960349
Within R ²	0.602587	0.666973	0.661303

Two-way (State & Year) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*