P6 Penultimate Analyses

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Table 1: Unweighted Descriptive Statistics

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Median	Pctl(75)	Max
Felony History Pct.	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	6.229	1.624	2.565	5.099	6.003	7.154	12.952
SSI Rate	1,550	2.573	1.191	0.458	1.702	2.276	3.182	7.110
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					
Felony History Pct.	-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

p6 Overall Models
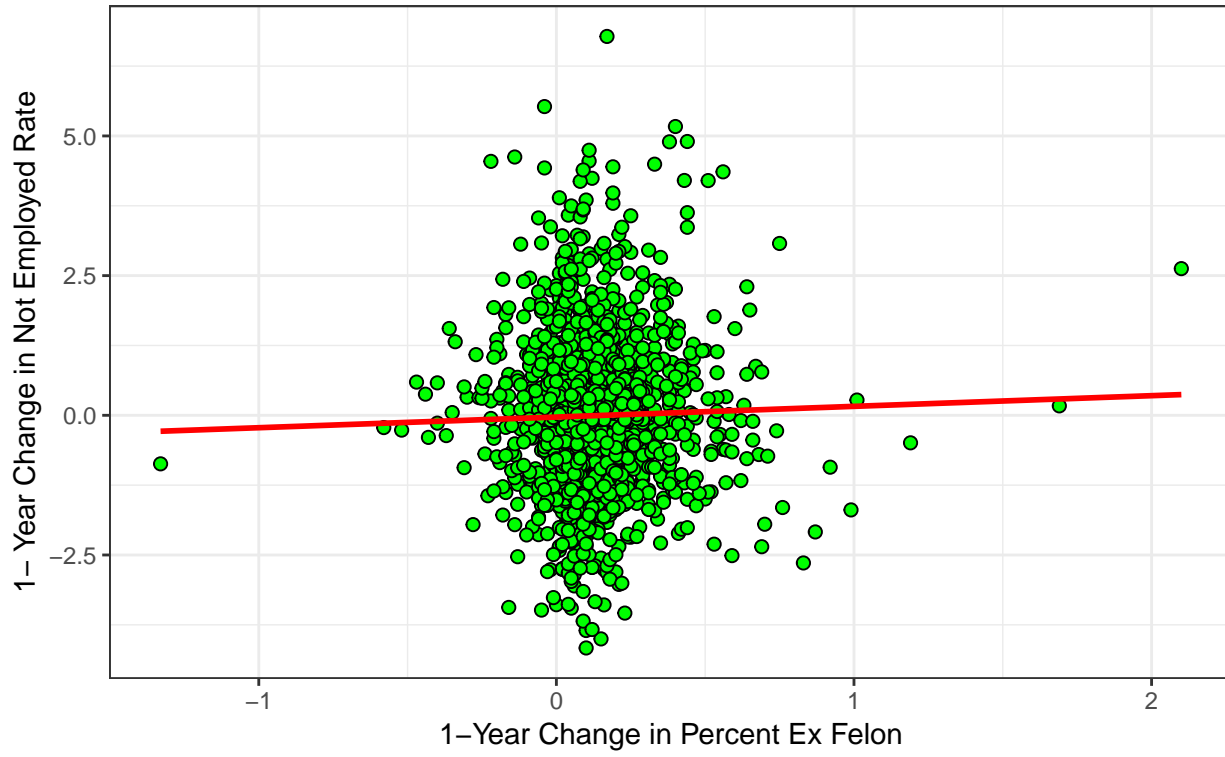
Table 3: Panel Models of Not Employed Rate, 1988-2010

	(1)	(2)	(3)	(4)
Felony History Pct.	0.319* (0.154)	0.312 (0.230)	0.246 (0.226)	0.342*** (0.103)
Pop. Share 26-35		−0.016 (0.155)	−0.021 (0.177)	0.037 (0.053)
Pop. Share 36-45		0.227 (0.183)	0.177 (0.207)	0.018 (0.050)
Pop. Share 46-55		−0.101 (0.168)	−0.175 (0.199)	−0.121* (0.058)
Pop. Share 56-65		−0.348 (0.226)	−0.401 (0.218)	0.143** (0.055)
Pop. Share 66+		0.140 (0.134)	0.090 (0.129)	0.015 (0.050)
Disab. Rate			0.177 (0.118)	0.157*** (0.031)
Marriage Rate			0.018 (0.104)	0.007 (0.027)
Effective Wage			0.452 (0.339)	−0.066 (0.106)
Mean TANF Maximum			−0.003 (0.004)	0.000 (0.002)
Unemployment Comp.			0.003 (0.003)	−0.000 (0.001)
Ovr. Unemp. Rate t				0.886*** (0.050)
Ovr. Unemp. Rate t-1				0.103** (0.039)
Ovr. Unemp. Rate t-2				−0.042 (0.039)
Ovr. Unemp. Rate t-3				0.204*** (0.040)
State FE	Yes	Yes	Yes	Yes
Year FE	Yes	Yes	Yes	Yes
Observations	1,150	1,150	1,150	1,150
R^2	0.015	0.027	0.047	0.575
Adjusted R^2	−0.051	−0.043	−0.026	0.540

Notes:
***Significant at the 0.1 percent level.
**Significant at the 1 percent level.
*Significant at the 5 percent level.
Clustered Standard Errors by State and Year.
Weighted by State-Year total pop.

Table 4: Models of Alternative Employment Measures

	Idleness	Unemployment	Can't Find Work
	(1)	(2)	(3)
Felony History Pct.	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	0.162*** (0.032)	0.035 (0.018)	0.208*** (0.033)
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	0.088 (0.050)		0.009 (0.055)
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)
State FE	Yes	Yes	Yes
Year FE	Yes	Yes	Yes
Observations	1,150	1,150	850
R^2	0.153	0.574	0.106
Adjusted R^2	0.084	0.540	0.013

Notes: ***Significant at the 0.1 percent level.
**Significant at the 1 percent level.
*Significant at the 5 percent level.
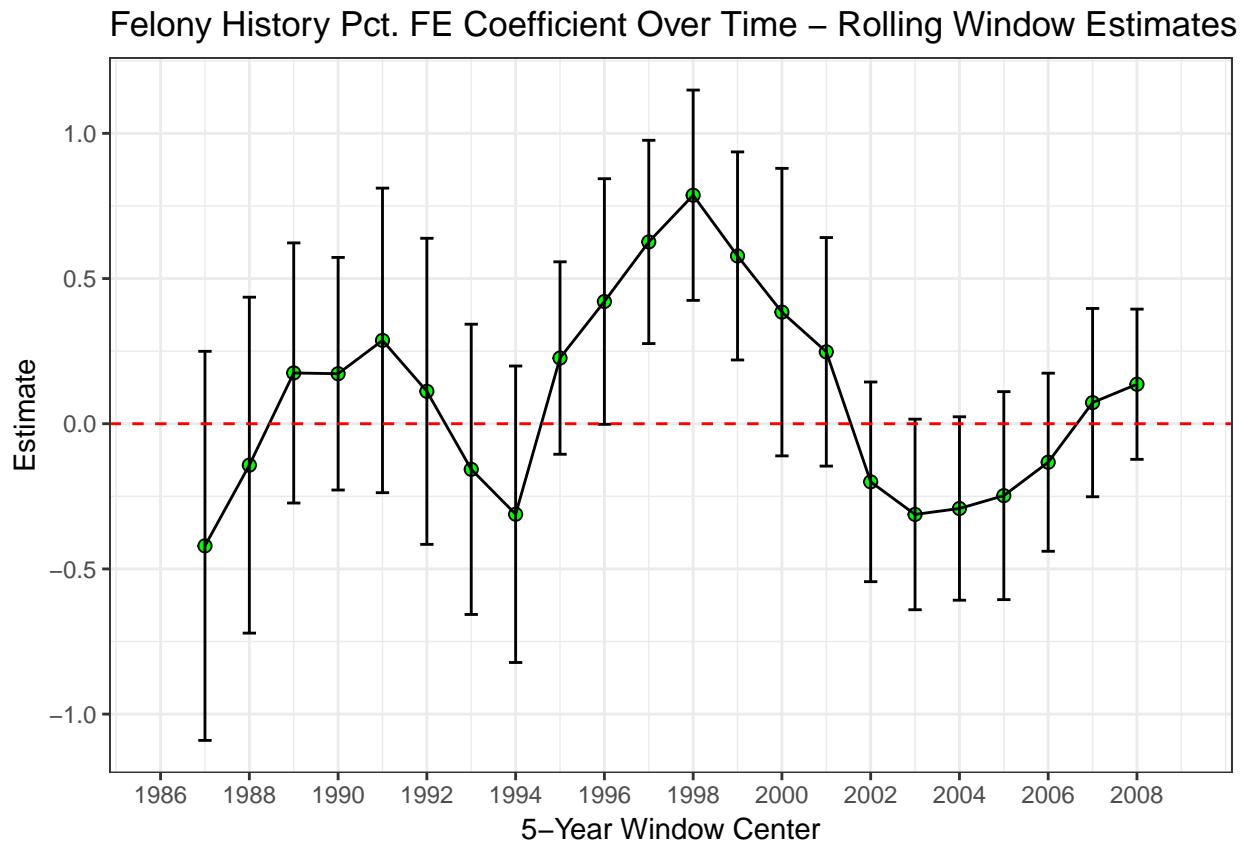Clustered Standard Errors by State and Year
Weighted by State-Year total pop.

Alternative Sample Models

Table 5: Alternative Sample Models

	Male	Female	Black	White	WA
	(1)	(2)	(3)	(4)	(5)
Felony History Pct.	0.110 (0.089)	0.579*** (0.173)	0.412 (0.215)	0.433*** (0.123)	0.335** (0.105)
Pop. Share 26-35	0.083 (0.045)	0.042 (0.077)	0.342** (0.116)	0.063 (0.057)	0.116** (0.044)
Pop. Share 36-45	0.241*** (0.050)	−0.119 (0.068)	0.177 (0.116)	0.066 (0.052)	0.068 (0.048)
Pop. Share 46-55	0.059 (0.039)	−0.252* (0.100)	−0.119 (0.165)	−0.099 (0.068)	−0.106 (0.055)
Pop. Share 56-65	0.106* (0.048)	0.171 (0.090)	0.478** (0.161)	0.155* (0.063)	0.413*** (0.060)
Pop. Share 66+	0.203*** (0.046)	−0.126 (0.079)	0.103 (0.114)	0.049 (0.056)	0.124** (0.045)
Disab. Rate	0.181*** (0.020)	0.070 (0.048)	0.208*** (0.008)	0.152*** (0.035)	0.073*** (0.015)
Marriage Rate	−0.145*** (0.021)	0.090* (0.035)	−0.180*** (0.008)	0.009 (0.030)	−0.009 (0.030)
Effective Wage	0.213** (0.076)	−0.325 (0.195)	−0.535* (0.271)	−0.010 (0.120)	−0.009 (0.101)
Mean TANF Maximum	0.001 (0.001)	−0.000 (0.003)	0.005 (0.003)	−0.001 (0.002)	0.001 (0.001)
Unemployment Comp.	−0.002 (0.001)	0.002 (0.002)	−0.004 (0.004)	0.000 (0.001)	0.000 (0.001)
Ovr. Unemp. Rate t	1.108*** (0.049)	0.675*** (0.077)	1.214*** (0.113)	0.854*** (0.054)	0.826*** (0.043)
Ovr. Unemp. Rate t-1	0.109*** (0.033)	0.097 (0.059)	0.015 (0.127)	0.136** (0.041)	0.116*** (0.035)
Ovr. Unemp. Rate t-2	−0.023 (0.035)	−0.043 (0.061)	−0.078 (0.145)	−0.077 (0.041)	−0.022 (0.036)
Ovr. Unemp. Rate t-3	0.054 (0.031)	0.339*** (0.069)	0.682*** (0.113)	0.091 (0.047)	0.210*** (0.038)
Disab. Imputed			3.257*** (0.273)		
Marriage Imputed			21.295*** (0.718)		
State FE	Yes	Yes	Yes	Yes	Yes
Year FE	Yes	Yes	Yes	Yes	Yes
Observations	1,150	1,150	1,145	1,150	1,150
R^2	0.608	0.333	0.058	0.512	0.576
Adjusted R^2	0.576	0.279	−0.020	0.472	0.541

*Notes:*
***Significant at the 0.1 percent level.
**Significant at the 1 percent level.
*Significant at the 5 percent level.
Clustered Standard Errors by State and Year.
Weighted by State-Year total pop.

Rolling-Window Models and Plot

Felony History Pct. FE Coefficient Over Time – Rolling Window Estimates

Male Felony History Pct. FE Coefficient Over Time – Rolling Window Estimate
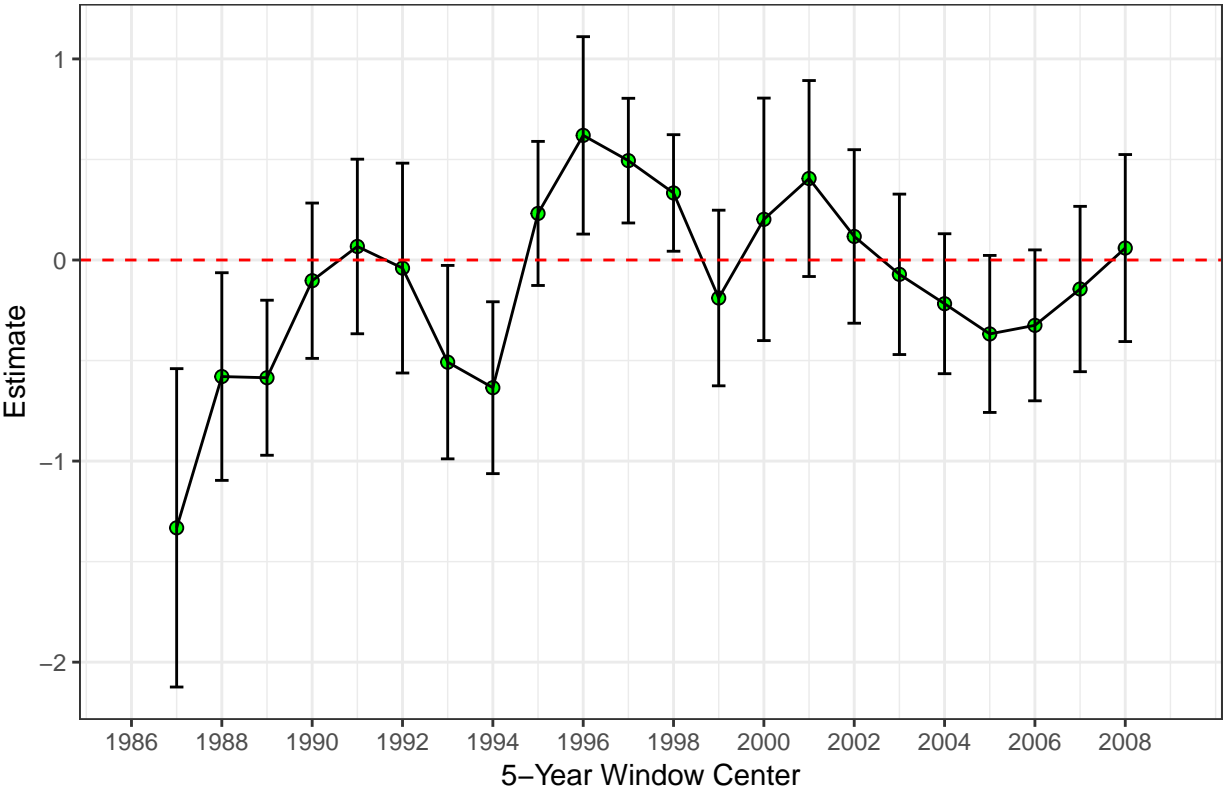
Male Felony History Pct. FE Coefficient Over Time – Rolling Window Estima
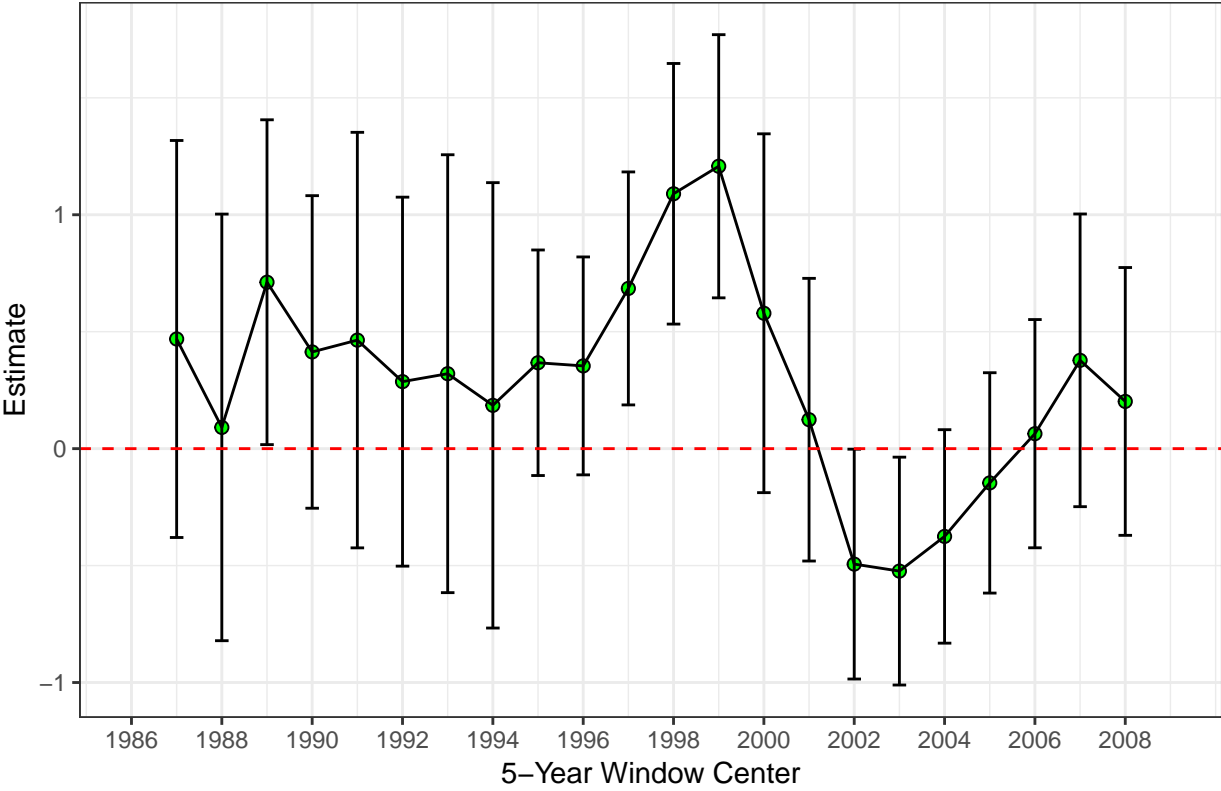
Alternative Specifications of Disabiility

Table 6: Alternative Specifications of Disability

	with SSI	Imputed	Imputed no SSI
	(1)	(2)	(3)
Felony History Pct.	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	0.171*** (0.029)	0.187*** (0.037)	0.177*** (0.037)
SSI Rate	−0.482* (0.195)	−0.346 (0.207)	
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	0.857*** (0.049)	0.908*** (0.045)	0.926*** (0.046)
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)
State FE	Yes	Yes	Yes
Year FE	Yes	Yes	Yes
Observations	1,150	1,400	1,400
R^2	0.577	0.603	0.602
Adjusted R^2	0.542	0.575	0.575

Notes: ***Significant at the 0.1 percent level.
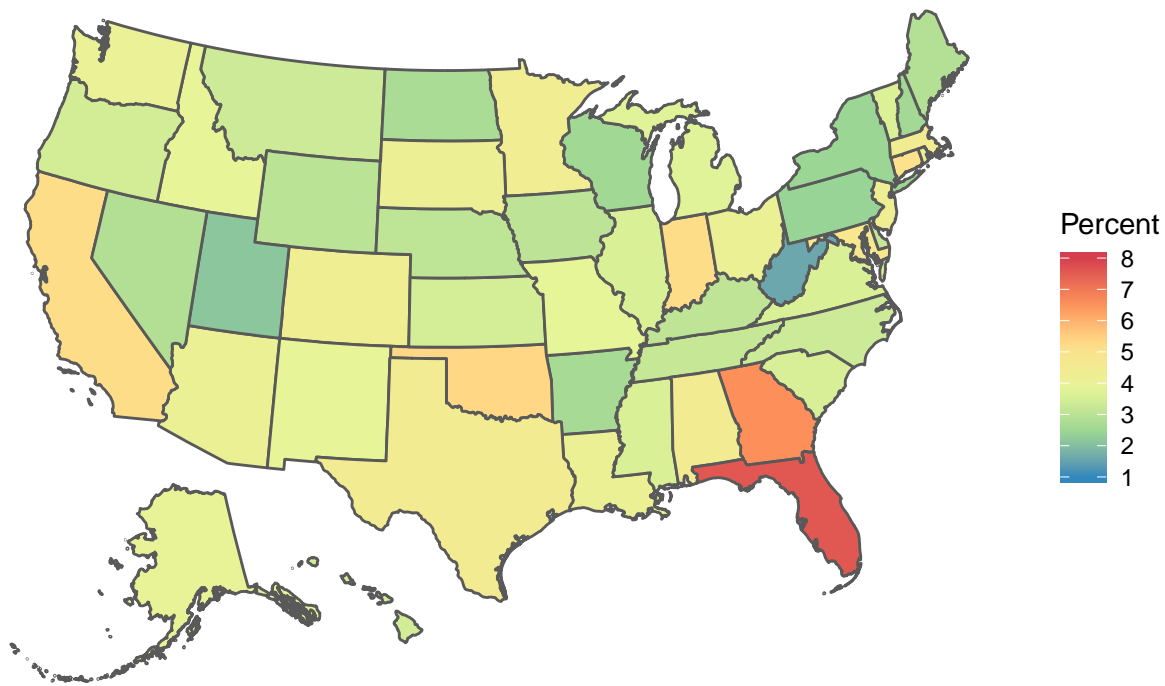**Significant at the 1 percent level.
*Significant at the 5 percent level.
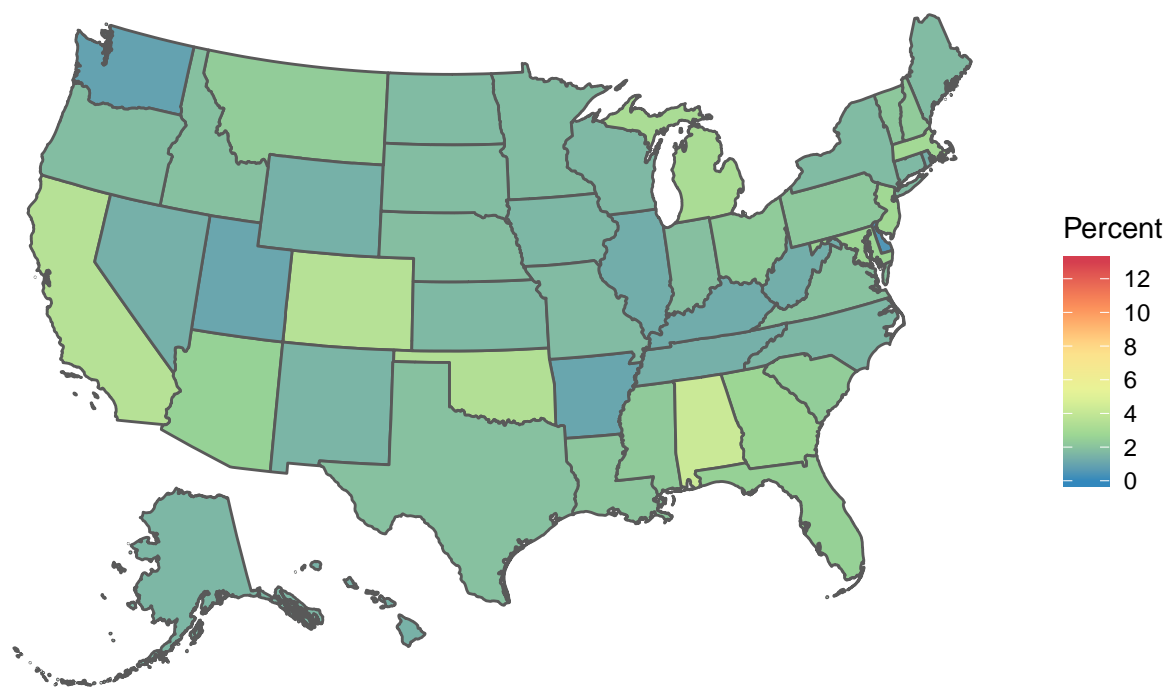Clustered Standard Errors by State and Year.
Weighted by State-Year total pop.

Felon Density Maps

Felony History Pct. in the United States: 1980–2010
Shannon et al. 2017

Felony History Pct. in the United States: 1980
Shannon et al. 2017

Felony History Pct. in the United States: 2010
Shannon et al. 2017