

# 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.	1,150	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
Unemployment Rate	1,150	5.512	1.870	2.206	4.223	5.203	6.400	14.957
Idleness Rate	1,150	17.588	3.446	9.973	15.129	17.368	19.720	28.983
Can't Find Work Rate	850	17.773	3.440	10.299	15.393	17.597	19.942	28.769
Population Share 16-25	1,150	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
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
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
Marriage Rate	1,150	57.067	4.227	44.599	54.123	56.793	59.817	71.036
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

Table 2: Pairwise Correlations

Variable	1	2	3	4	5	6	7	8	9	10	11	12
Not Employed Rate	1											
Unemployment Rate	0.77	1										
Idleness Rate	0.94	0.54	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	0.65	0.32	0.72	0.74	0.62	1						
Marriage Rate	-0.26	-0.25	-0.28	-0.33	-0.1	-0.27	1					
Felony History Pct.	0.14	0.12	0.16	0.15	-0.04	0.08	-0.49	1				
SSDI Rate	0.61	0.3	0.65	0.65	0.81	0.84	-0.22	-0.14	1			
Effective Wage	0.19	0.26	0.19	0.19	0.11	0.11	-0.64	0.54	0.06	1		
Mean TANF Maximum	-0.25	-0.04	-0.29	-0.3	-0.26	-0.37	-0.21	0.01	-0.41	0.27	1	
Unemployment Comp.	0.12	0.1	0.12	0.09	0.11	0.02	-0.11	0.03	0.01	0.23	0.08	1

# Scatterplot of First Differences – Not Employed Rate

OLS Fit

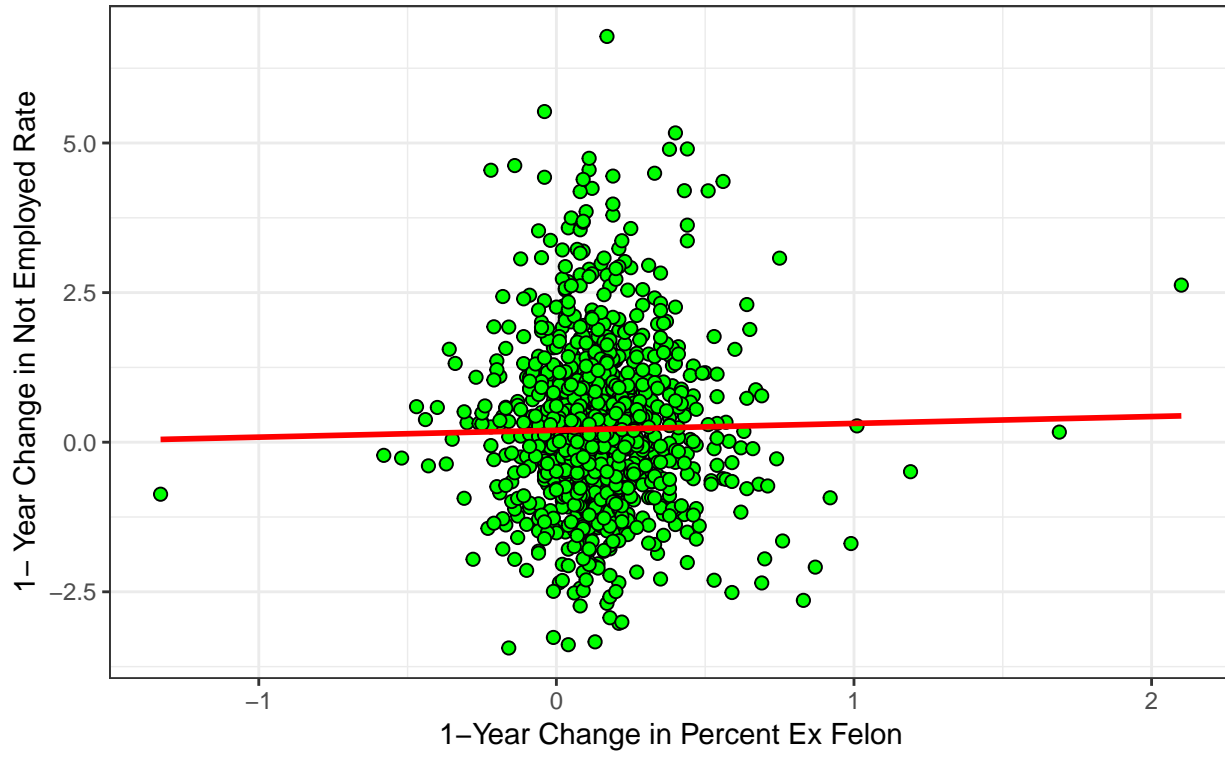


Table 3: Panel Models of Not Employed Rate, 1988-2010

	(1)	(2)	(3)	(4)
Felony History Pct.	0.319* (0.154)	0.312 (0.230)	0.222 (0.119)	0.342*** (0.103)
Pop. Share 26-35		-0.016 (0.155)	0.099 (0.100)	0.037 (0.053)
Pop. Share 36-45		0.227 (0.183)	0.197* (0.086)	0.018 (0.050)
Pop. Share 46-55		-0.101 (0.168)	-0.105 (0.114)	-0.121* (0.058)
Pop. Share 56-65		-0.348 (0.226)	0.135 (0.099)	0.143** (0.055)
Pop. Share 66+		0.140 (0.134)	0.138 (0.088)	0.015 (0.050)
Ovr. Unemp. Rate t			1.076*** (0.079)	0.886*** (0.050)
Ovr. Unemp. Rate t-1			0.014 (0.073)	0.103** (0.039)
Ovr. Unemp. Rate t-2			-0.005 (0.089)	-0.042 (0.039)
Ovr. Unemp. Rate t-3			0.130 (0.088)	0.204*** (0.040)
Disab. Rate				0.157*** (0.031)
Marriage Rate				0.007 (0.027)
Effective Wage				-0.066 (0.106)
Mean TANF Maximum				0.000 (0.002)
Unemployment Comp.				-0.000 (0.001)
State FE	Yes	Yes	Yes	Yes
Year FE	Yes	Yes	Yes	Yes
Observations	1,150	1,150	1,150	1,150
R <sup>2</sup>	0.015	0.027	0.570	0.575
Adjusted R <sup>2</sup>	-0.051	-0.043	0.538	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)
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)
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)
State FE	Yes	Yes	Yes
Year FE	Yes	Yes	Yes
Observations	1,150	1,150	850
R <sup>2</sup>	0.153	0.574	0.106
Adjusted R <sup>2</sup>	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

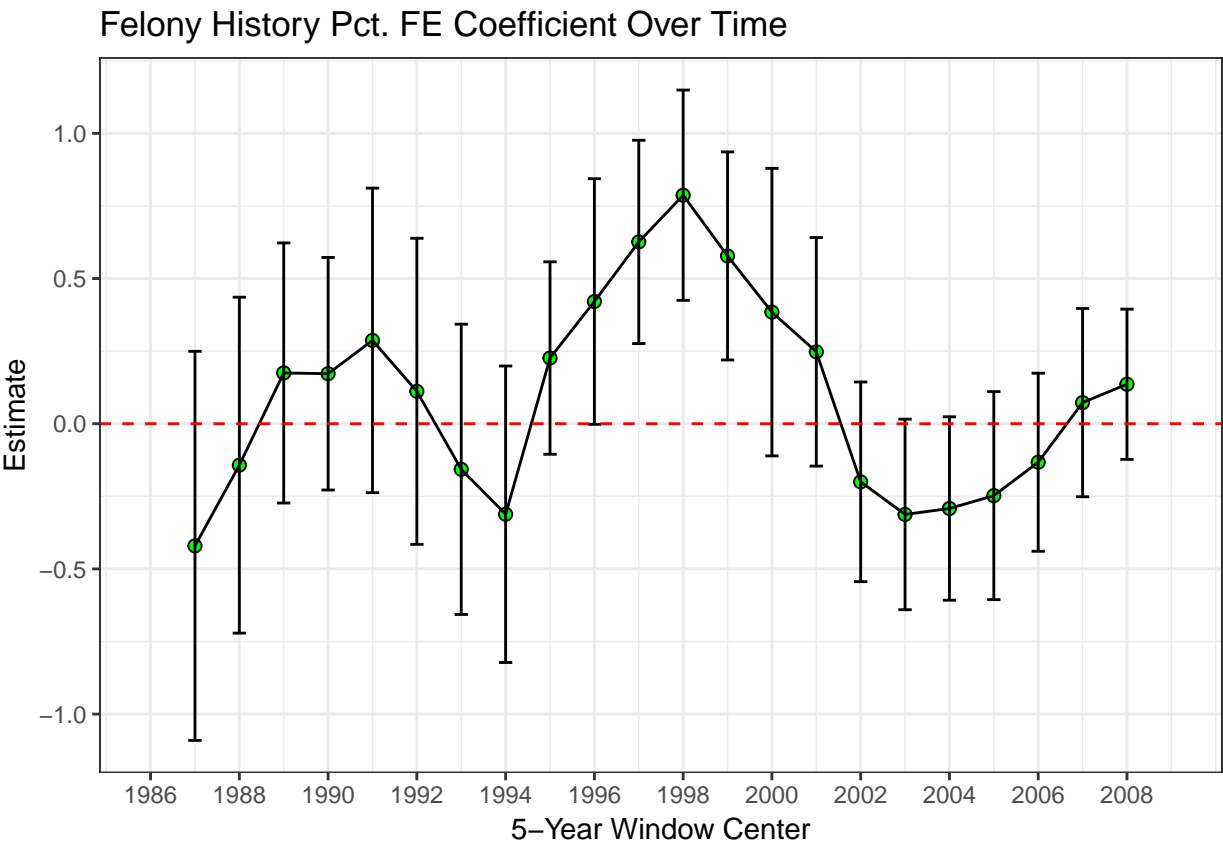
Weighted by State-Year total pop.

# Alternative Sample Models

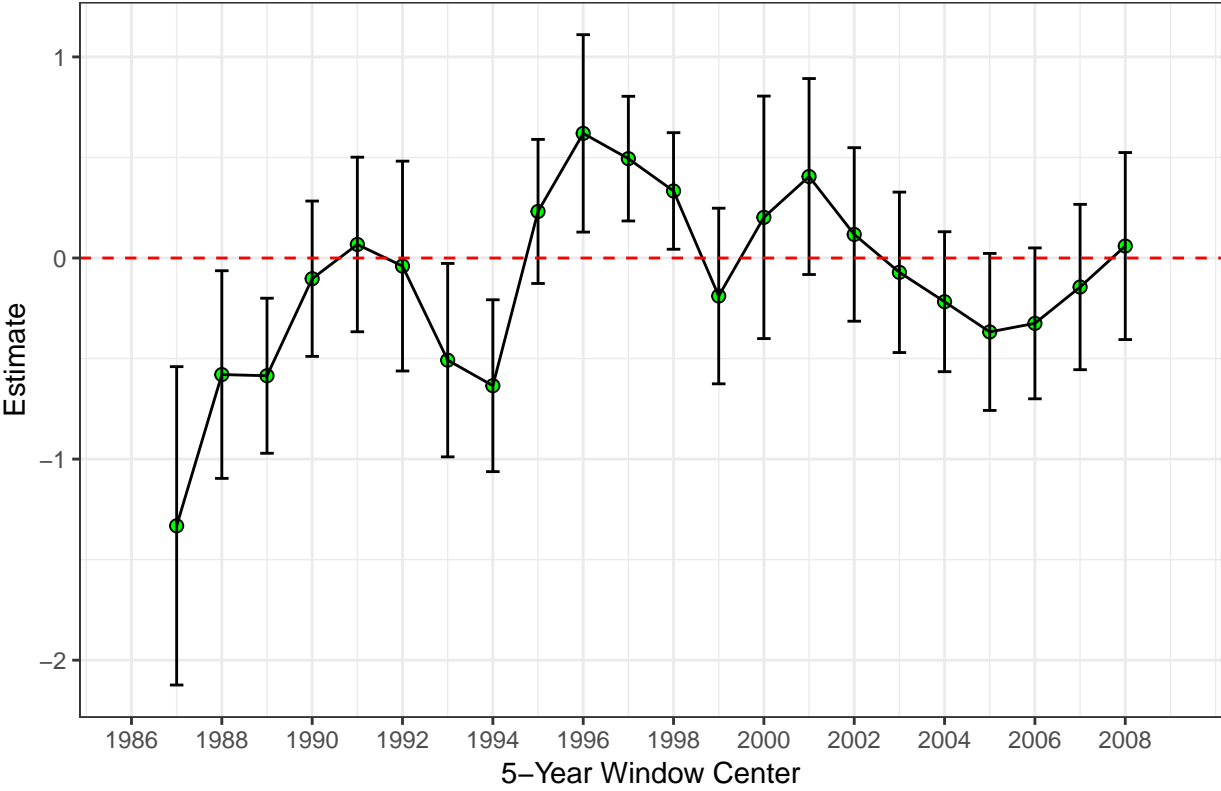
Table 5: Alternative Sample Models

	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)
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. 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)
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 <sup>2</sup>	0.608	0.333	0.058	0.512	0.576
Adjusted R <sup>2</sup>	0.576	0.279	-0.020	0.472	0.541

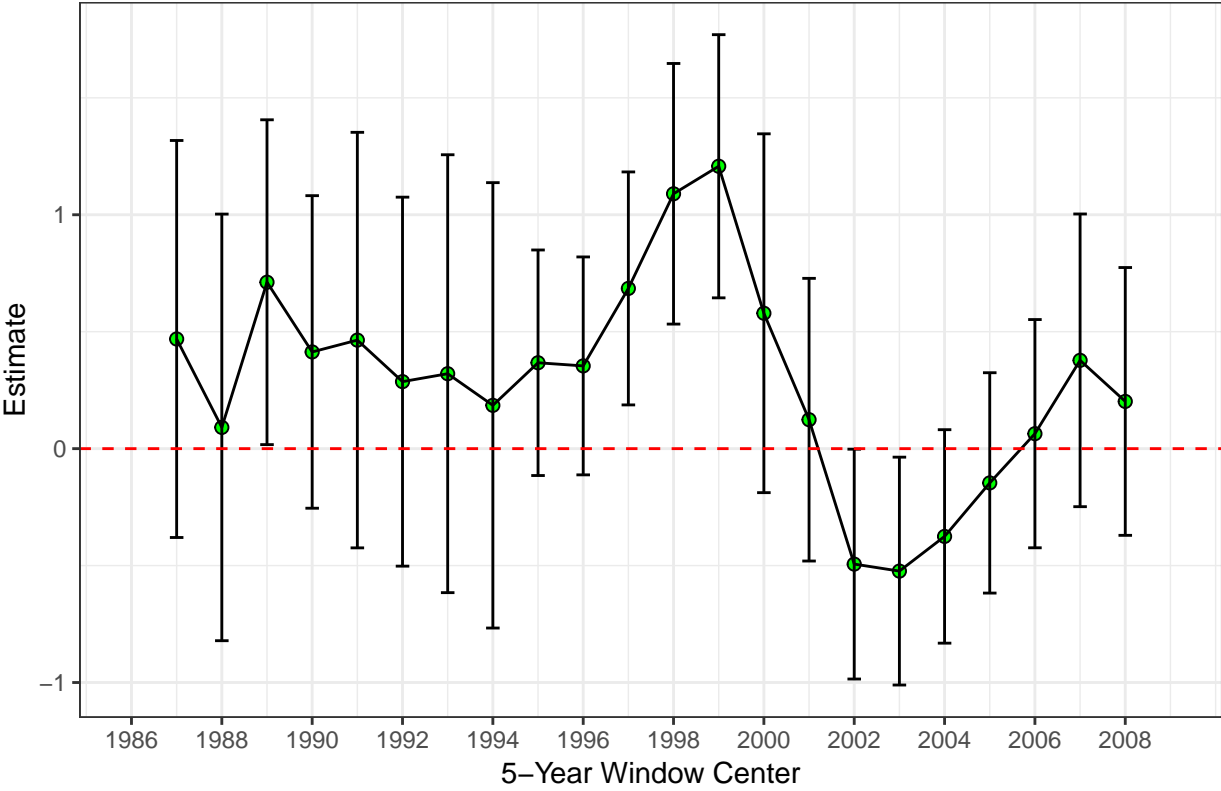
Notes: \*\*\*Significant at the 0.1 percent level.  
 \*\*Significant at the 1 percent level.  
 \*Significant at the 5 percent level.  
 Clustered Standard Errors by State and Year.  
 Weighted by State-Year total pop.



Male Felony History Pct. FE Coefficient Over Time



Female Felony History Pct. FE Coefficient Over Time





# Alternative Specifications of Disability

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)
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)
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)
State FE	Yes	Yes	Yes
Year FE	Yes	Yes	Yes
Observations	1,150	1,400	1,400
R <sup>2</sup>	0.577	0.603	0.602
Adjusted R <sup>2</sup>	0.542	0.575	0.575

Notes:

\*\*\*Significant at the 0.1 percent level.

\*\*Significant at the 1 percent level.

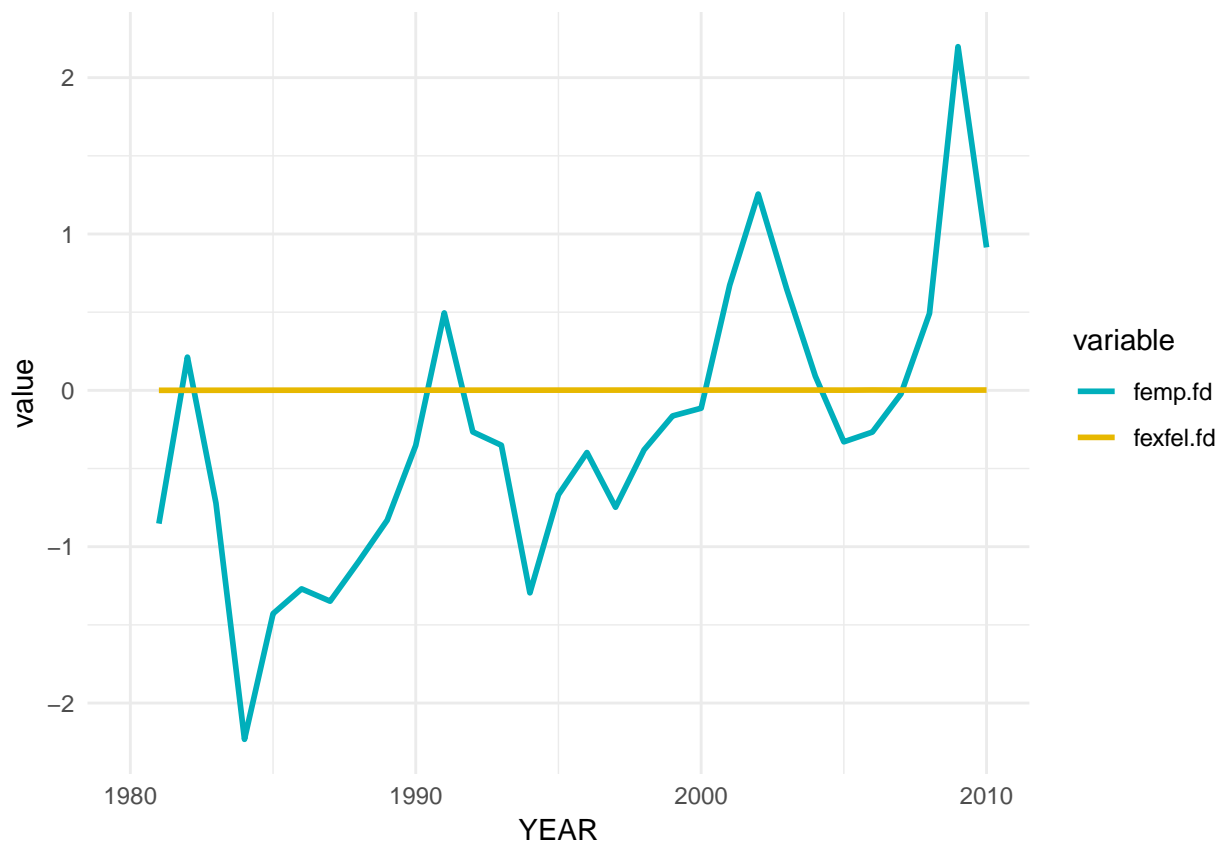
\*Significant at the 5 percent level.

Clustered Standard Errors by State and Year.

Weighted by State-Year total pop.

## Time Series Plots

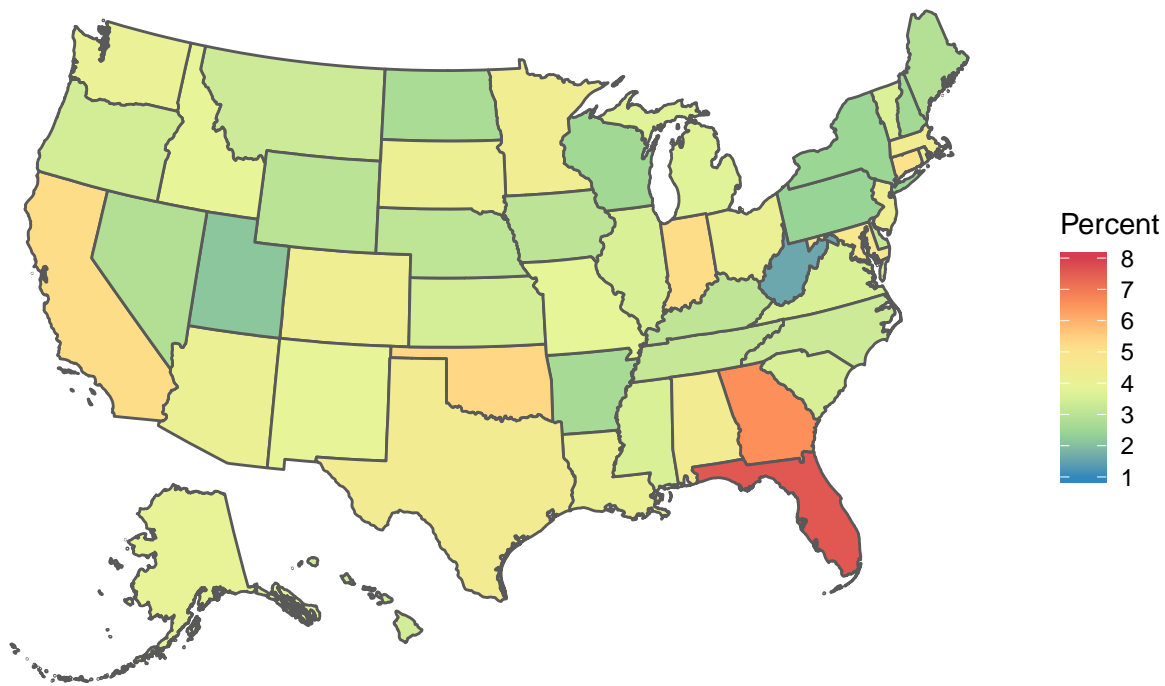
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## Felon Density Maps

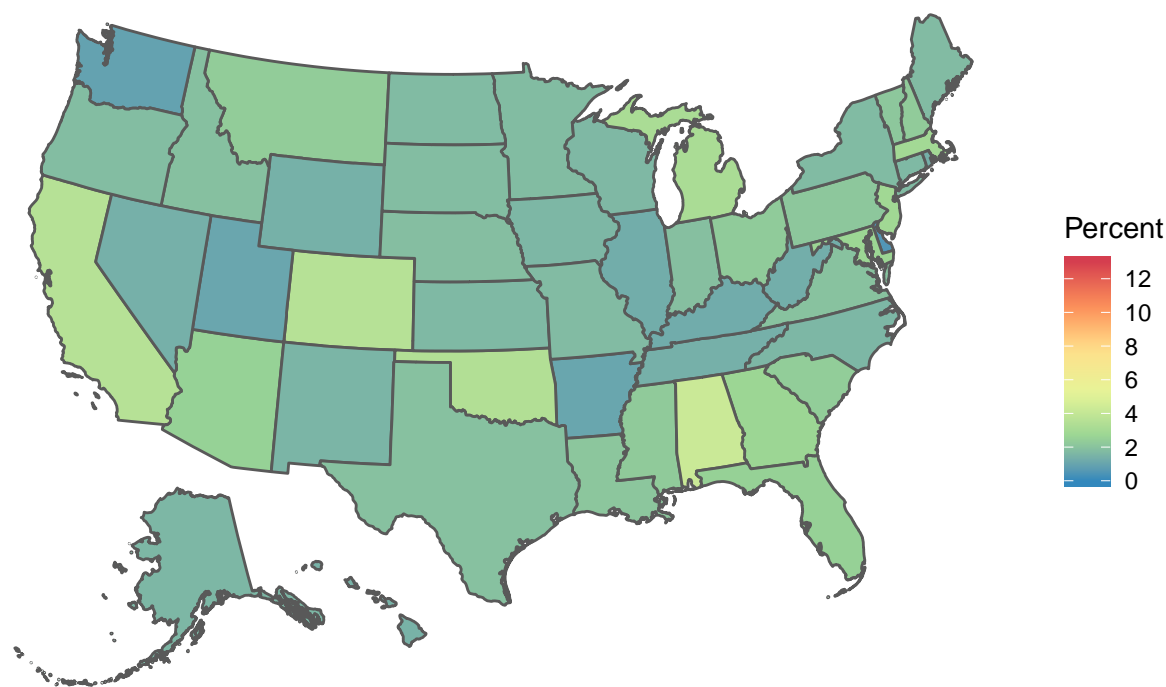
Felony History Pct. in the United States: 1980–2010

*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

