

Prison, Probation, and the Community

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Motivation

- US incarceration rate is disproportionately large
 - 3 times as large as EU average and 2 times as large as any member nation
 - 20% decline in past decade
- US probation population is 250% the size of the US prison population (Kaeble, 2023)
 - ~ 890 probationed offenders per 100,000 residents (2021)
 - 80% of probationed offenders avoid incarceration
- Probation is typically used as an alternative punishment to incarceration
 - In my sample, ~ 95% of probation sentences are in substitute of incarceration
- Provides large potential gains
 - Cheaper alternative to incarceration
 - Negative externalities of incarceration (Mueller-Smith (2015); Bayer et al. (2009))
- What about risks to the community?

- **Research question 1:** What is the effect of probation on future recidivism?
- **Research question 2:** What are the spillover effects of probation on the community?

Random assignment of judges to identify effect of criminal punishments

- Estimate treatment effects with IV, using judge preferences as an instrument^a
 - How can sentencing shocks be measured when judge preferences are unobserved?

Probation vs Prison

- Probation acts through “catch-and-release” mechanisms
- Prison acts through incapacitation mechanisms^b

Exposure to ex-convicts increases community crime rates^c

^a(Kling, 2006; Mueller-Smith, 2015; Arteaga, 2023; Bhuller and Sigstad, 2023; Frandsen et al., 2023; Humphries et al., 2024; Chyn et al., 2024)

^b(Bayer et al., 2009; Drago et al., 2009; Buonanno and Raphael, 2013; Mueller-Smith, 2015)

^c(Drago and Galbiati, 2012; Dobbie et al., 2018; Bhuller et al., 2018; Norris et al., 2021; Arteaga, 2023)

Institutional Setting & Data

Empirical Setting

- ~ 28,000 criminal cases from Milwaukee, Wisconsin
 - 1,574,000 MSA population (US avg 885,000)^a
 - \$100 million GDP (US avg \$47 million)^b
 - 609.7 violent crimes per 100,000 (US avg 397.8)^c
 - Comparable cities: New Orleans, Memphis, Las Vegas
- Judges randomly assigned to cases within court division
 - Jury panel decides on guilt
 - Judge decides on punishment

▶ Judge assignment

^a(US Census Bureau, 2021)

^b(US Bureau of Economic Analysis, 2023)

^c(US Department of Justice, 2019)



(Airports Guides, 2016)

Empirical Setting: Criminal Punishments

- **Prison:** truth-in-sentencing (defendants required to serve entirety of punishment)
- **Probation:** employment/education requirements, psychological & behavioral therapy, firearm and substance prohibitions, parental responsibilities
- **Stayed sentencing:** withheld prison sentence only received when probation fails
- **Fine** (no data on amount)

- **Wisconsin Online Court Records**

- Collected via webscraping
- 2004 to present day
- Name and address of defendant, defendant characteristics, offense details, final judgement and further trial details

▶ Example

- **Milwaukee Property Assessment Records**

- Address, lat-long coordinates, value assessment, building characteristics, and ownership records of properties
- Spans all properties in the city of Milwaukee as of 2004 (~60,000 rental units)

▶ Sample Selection

▶ Defendant Summary Statistics

▶ Property Summary Statistics

Identification with 2SLS

Judges make simultaneous decisions over multiple alternative punishments...

Two Challenges:

- 1 All punishment features must be instrumented for to avoid “omitted treatment bias” (see paper, Mueller-Smith (2015); Bhuller and Sigstad (2023))
 - Instruments become weaker as the number of endogenous punishments grows
- 2 Typical identifying assumptions of IV are not robust to arbitrary first and second-stage heterogeneity
 - Need multivariate extensions for monotonicity and exclusion (see paper)

► Identification

Identification Challenges

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► Identification

I propose a research design that focuses on directly estimating judge preferences...

Sentencing Shocks (Borusyak and Hull, 2023)

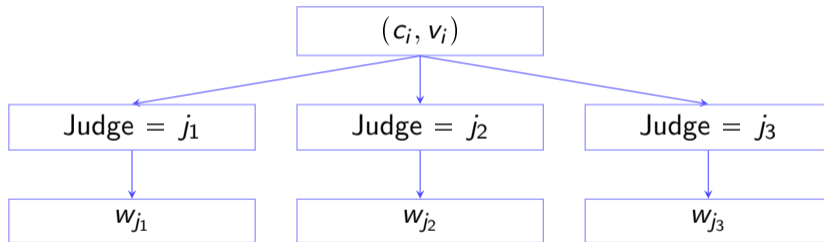
Treatment assignment function: $W = h(j, c_i, v_i)$

- J represents the assigned judge
- C indicates crime original committed by offender
- V is stochastic error term

Sentencing Shocks (Borusyak and Hull, 2023)

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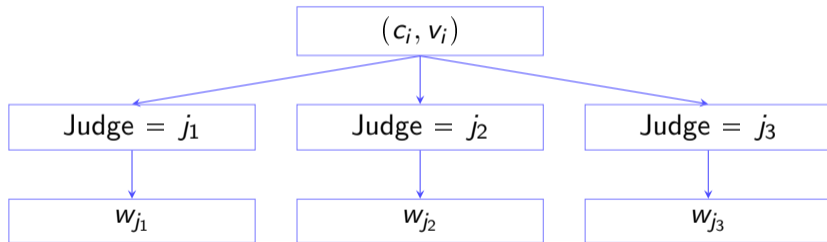
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Treatment assignment function: $W = h(j, c_i, v_i)$

- J represents the assigned judge
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Random judge assignment creates exogenous sentencing shock:

$$\delta_i = w_j - \mathbb{E}_J[W_J | c_i, v_i]$$

Instrument Selection: Random Forest

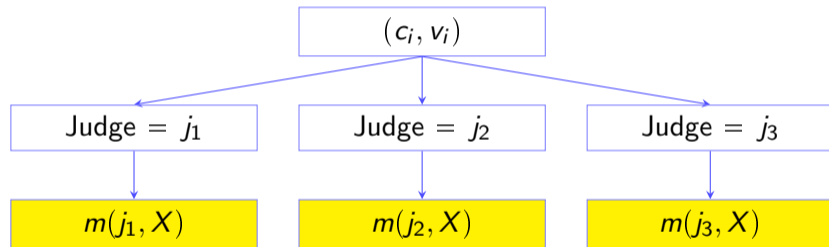
Leave-out honest forest: For defendant i assigned to judge j , construct honest forest $m(j, X)$ using only other offenders assigned to j

$$\mathbb{E}[m(j, X)] = \mathbb{E}[W | j, X]$$

Instrument Selection: Random Forest

Leave-out honest forest: For defendant i assigned to judge j , construct honest forest $m(j, X)$ using only other offenders assigned to j

$$\mathbb{E}[m(j, X)] = \mathbb{E}[W | j, X]$$



Exogenous variation in W identified through re-centering:

$$\hat{\delta}_i = m(J_i, X_i) - \mathbb{E}_J[m(J_i, X_i) | X_i]$$

Empirical Results

Cumulative Effects (Cross-sectional Design)

$$y_i = \beta_1 Prob_i + \beta_2 ProbYears_i + \beta_3 StayedYears_i + \beta_4 (PrisYears_i)_{<5} + \beta_5 Fine_i \\ + \theta X_i + \mu_{zip} + \mu_r + \epsilon_i$$

- X : Pre-trial defendant controls
- μ_{zip} : Zipcode fixed-effect given by
- μ_r : Crime-Division-Period fixed-effect given by

Cumulative Effects (Cross-sectional Design)

$$y_i = \beta_1 Prob_i + \beta_2 ProbYears_i + \beta_3 StayedYears_i + \beta_4 (PrisYears_i)_{<5} + \beta_5 Fine_i \\ + \theta X_i + \mu_{zip} + \mu_r + \epsilon_i$$

Assumptions:

- ▶ First Stage
- ▶ Exogeneity
- ▶ Conditional Exclusion
- ▶ Monotonicity

Cumulative Direct Effects on Defendants

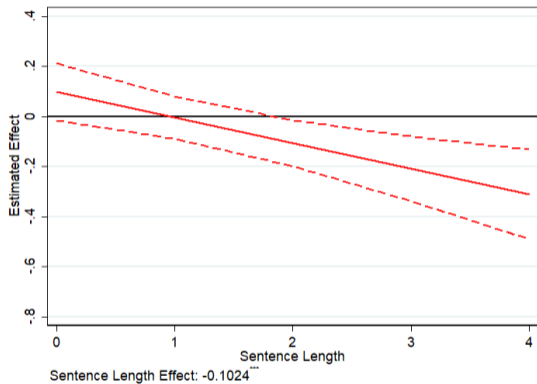


Figure: Probation

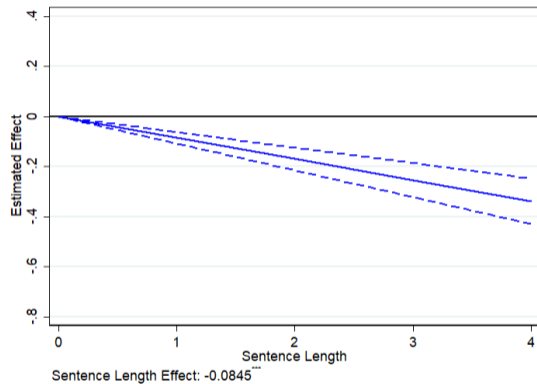


Figure: Prison

► Table

Cumulative Spillover Effects on Residence

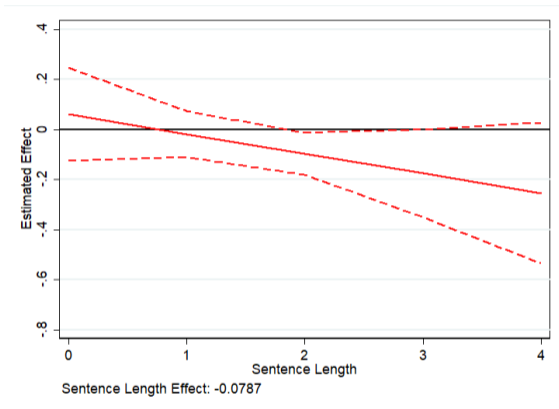


Figure: Probation

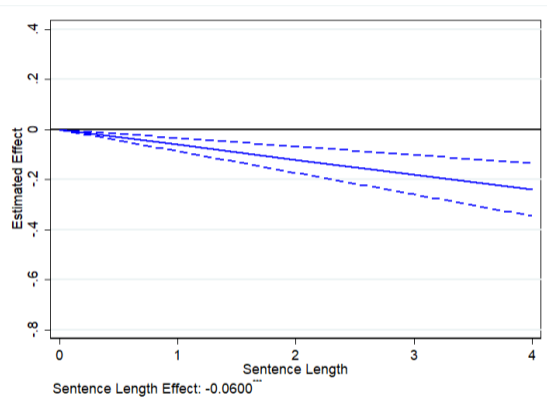


Figure: Prison

▶ Table

Mechanisms: Incapacitation and Exposure

Second Stage:

$$y_{it} = \sum_k \left(\beta_{k,0} Rel_{i,t-1}^k + \beta_{k,1} Rel_{it}^k + \beta_{k,2} Exp_{it}^k + \beta_{k,3} Rel_{it}^k \times Exp_{it}^k \right) + \beta W_i + \theta X_i + \mu_t + u_{it}$$

- k : Indexes probation and prison
- t : Indexes years since sentence
- μ_t : Year-since-sentence fixed effect given by
- X_i includes same controls and fixed effects as cross-sectional estimator

$Rel_t = \% \text{ Days } \mathbf{not} \text{ in Custody During Year } t$

$Exp_t = \text{Cumulative Years in Custody since Sentencing}$

Mechanisms: Incapacitation and Exposure

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Assumptions:

- ▶ First Stage
- ▶ Exogeneity
- ▶ Conditional Exclusion
- ▶ Monotonicity

Incapacitation and Exposure Effects (Defendants)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1494*** (0.0302)	0.0223 (0.0226)	0.0488*** (0.0149)	0.0783*** (0.0139)
Exposure	-0.0450*** (0.0134)	-0.0133 (0.0095)	-0.0167** (0.0065)	-0.0149** (0.0071)
Release	-0.1048*** (0.0326)	-0.0232 (0.0200)	-0.0271 (0.0193)	-0.0545*** (0.0168)
Release × Exposure	0.0373** (0.0148)	0.0080 (0.0080)	0.0119 (0.0091)	0.0174** (0.0084)
Prison Effects				
Release	0.1297*** (0.0465)	0.0021 (0.0367)	0.0506** (0.0227)	0.0769*** (0.0185)
Release × Exposure	0.0071 (0.0354)	0.0264 (0.0285)	-0.0173 (0.0173)	-0.0020 (0.0128)
N	141,715	141,715	141,715	141,715
Kleibergen-Paap rk LM Stat	239.93	239.93	239.93	239.93
Kleibergen-Paap rk F Stat	21.92	21.92	21.92	21.92

▶ Linear Control for Years Since Release

Incapacitation and Exposure Effects (Residence Crime)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0440 (0.0661)	-0.0171 (0.0236)	0.0093 (0.0193)	0.0518 (0.0353)
Exposure	-0.0120 (0.0233)	0.0069 (0.0092)	0.0003 (0.0071)	-0.0191 (0.0127)
Release	-0.0151 (0.0268)	-0.0006 (0.0176)	0.0033 (0.0086)	-0.0179 (0.0177)
Release × Exposure	0.0176 (0.0124)	0.0009 (0.0066)	-0.0009 (0.0046)	0.0175* * (0.0086)
Prison Effects				
Release	-0.0214 (0.0448)	-0.0364 (0.0348)	-0.0024 (0.0102)	0.0175 (0.0244)
Release × Exposure	0.0285 (0.0342)	0.0314 (0.0273)	0.0040 (0.0074)	-0.0069 (0.0175)
N	141,715	141,715	141,715	141,715
Kleibergen-Paap rk LM Stat	239.93	239.93	239.93	239.93
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► Linear Control for Years Since Release

Heterogeneity

- Male vs Female

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- White vs Black

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Young vs Old

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Violent vs Non-violent

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Misdemeanor vs Felony

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Above/below median property value

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Recent Offenders

- ▶ Defendant Cumulative Effects
- ▶ Release and Exposure Effects
- ▶ Spillovers

- Kink-design for Prison Sentence Lengths

- - ▶ Cumulative Effects (Defendants)
 - ▶ Cumulative Effects (Residence)

- Sample selection

- ▶ Cumulative Effects (Defendants)
- ▶ Cumulative Effects (Residence)
- ▶ Release Effects (Defendants)
- ▶ Release Effects (Residence)

Omitted Treatment Biases and Contamination

- Omitting sentence lengths leads to biased estimates
- Best addressed by full set of punishments W
- Honest regression forests can be used to construct strong recentered instruments when treatment assignment rules are unknown

Empirical Findings

- Incarceration reduces recidivism through incapacitation
 - No evidence for prison exposure effects
- Probation reduces crime through “catch-and-release”
 - Surveillance effect during custody increases re-conviction rates
 - Short-run risk of crime through reverse incapacitation
- Spillover effects on community driven by exposure to ex-convicts
- Effects most strongly driven by young offenders, white offenders, low income households, felons

References I

- Airports Guides**, "Milwaukee General Mitchell International Airport (MKE) Maps," 2016.
- Arteaga, Carolina**, "Parental Incarceration and Children's Educational Attainment," *The Review of Economics and Statistics*, 11 2023, 105 (6), 1394–1410.
- Bayer, Patrick, Randi Hjalmarsson, and David Pozen**, "Building Criminal Capital behind Bars: Peer Effects in Juvenile Corrections," *The Quarterly Journal of Economics*, 2009, 124 (1), 105–147.
- Bhuller, Manudeep and Henrik Sigstad**, "2SLS with Multiple Treatments," *Journal of Econometrics (Revise & Resubmit)*, 2023.
- , **Gordon B. Dahl, Katrine V. Loken, and Magne Mogstad**, "Intergenerational Effects of Incarceration," *AEA Papers and Proceedings*, May 2018, 108, 234–40.
- Blandhol, Christine, John Bonney, Magne Mogstad, and Alexander Torgovitsky**, "When is TSLS Actually LATE?," *R&R at The Review of Economic Studies*, 2022.
- Borusyak, Kirill and Peter Hull**, "Nonrandom Exposure to Exogenous Shocks," *Econometrica*, 2023, 91 (6), 2155–2185.
- Buonanno, Paulo and Steven Raphael**, "Incarceration and Incapacitation: Evidence from the 2006 Italian Collective Pardon," *American Economic Review*, 2013, 103 (6), 2437–2465.
- Chyn, Eric, Brigham Frandsen, and Emily C. Leslie**, "Examiner and Judge Designs in Economics: A Practitioner's Guide," Technical Report, NBER 2024.
- Dobbie, Will, Hans GrÃ¶nqvist, Susan Niknami, MÃ¥rten Palme, and Mikael Priks**, "The Intergenerational Effects of Parental Incarceration," Working Paper 24186 January 2018.
- Drago, Francesco and Roberto Galbiati**, "Indirect Effects of a Policy Altering Criminal Behavior: Evidence from the Italian Prison Experiment," *American Economic Journal: Applied Economics*, 2012, 4 (2), 199–218.
- , —, and **Pietro Vertova**, "The Deterrent Effects of Prison: Evidence from a Natural Experiment," *Journal of Political Economy*, 04 2009, 117 (2), 257–280.
- Frandsen, Brigham, Emily Leslie, and Samuel McIntyre**, "Cluster Jackknife Instrumental Variable Estimation," *R&R at Review of Economics and Statistic*, 2024.
- , **Lars Lefgren, and Emily Leslie**, "Judging Judge Fixed Effects," *American Economic Review*, January 2023, 113 (1), 253–77.
- Humphries, John Eric, Aurelie Ouss, Kamelia Stavreva, Megan T. Stevenson, and Winnie van Dijk**, "Conviction, Incarceration, and Recidivism: Understanding the Revolving Door," *Quarterly Journal of Economics (Revise and Resubmit)*, 2024.

References II

Kaeble, Danielle, "Probation and Parole in the United States, 2021," Technical Report 2023.

Kling, Jeffrey R., "Incarceration Length, Employment, and Earnings," *The American Economic Review*, 2006, 96 (3), 863–876.

Mueller-Smith, Michael, "The Criminal and Labor Market Impacts of Incarceration," *American Economic Review (Revise and Resubmit)*, 2015.

Norris, Samuel, Matthew Pecenco, and Jeffrey Weaver, "The Effects of Parental and Sibling Incarceration: Evidence from Ohio," *American Economic Review*, September 2021, 111 (9), 2926–63.

US Bureau of Economic Analysis, "CAGDP1 County and MSA gross domestic product (GDP) summary," Technical Report 2023.

US Census Bureau, "Metropolitan and Micropolitan Statistical Areas Population Totals and Components of Change: 2010-2019," Technical Report 2021.

US Department of Justice, "2018 Crime in the United States," Technical Report, FBI Criminal Justice Information Services Division 2019.

Wager, Stefan and Susan Athey, "Estimation and Inference of Heterogeneous Treatment Effects using Random Forests," *Journal of the American Statistical Association*, 2018, 113 (523), 1228–1242.

Primary Sample

- Defendants in “general misdemeanor” or “general felony” courts that receive either prison or probation sentence
- Only defendants whose residence is within the City of Milwaukee
- Cases filed between 2005 and 2018

→ 28,324 cases

Residence Sample

- All individuals living at the property address as a defendant in the primary sample
 - Includes family members, roommates, neighbours...

Summary Statistics: Criminal Cases

	Probation		Prison	
	Mean	N	Mean	N
Male defendant	0.7852	12,863	0.8948	15,461
Age of defendant	28.75	12,863	30.36	15,461
White defendant	0.2028	12,863	0.1583	15,461
Committed crime in past year	0.1062	12,863	0.1556	15,461
Felony	0.5715	12,863	0.4867	15,461
Drug crime	0.1728	12,863	0.2280	15,461
Burglary	0.0980	12,863	0.0592	15,461
Robbery	0.0644	12,863	0.1023	15,461
Theft	0.1678	12,863	0.1357	15,461
Battery	0.0723	12,863	0.0296	15,461
Weapons crime	0.0570	12,863	0.0651	15,461
Other crime	0.2957	12,863	0.3196	15,461

Summary Statistics: Properties

	Mean	Median	SD	N
Units in property	7.40	2.00	24.79	28,324
Mean area of unit (sqft)	1,075	1,056	583	28,324
Mean value of unit (USD)	54,501	43,100	123,716	28,324
Mean # bedrooms	2.36	2.00	1.15	28,324
Owner occupied	0.0356	0	0.1852	28,324
Crimes in previous year	0.0802	0	1.81	28,324

▶ Back

Estimating Equations

$$W_{ik} = \gamma \tilde{Z}_i + \mu_r + V_{ik} \quad (\text{first stage})$$

$$Y_i = \beta \widehat{W}_i + \mu_r + U_i \quad (\text{second stage})$$

$$\widehat{W}_{ik} = \sum_{l \neq k} \alpha_l \widehat{W}_{il} + \mu_r + e_{ik} \quad (\text{residual maker})$$

$$\widetilde{W}_{ik} = e_{ik}$$

When is β_k a weighted LATE?

When is β_k Weighted LATE?

Standard Assumptions

2SLS.1 (Rank)	$\text{Cov}(Z, W)$ has full rank
2SLS.2 (Exogeneity)	$Z \perp Y(w), v$
2SLS.3 (Exclusion)	$Y(w, z) = Y(w, z')$

Multidimensional Extensions with Arbitrary Heterogeneity

2SLS.3' (Conditional Exclusion)

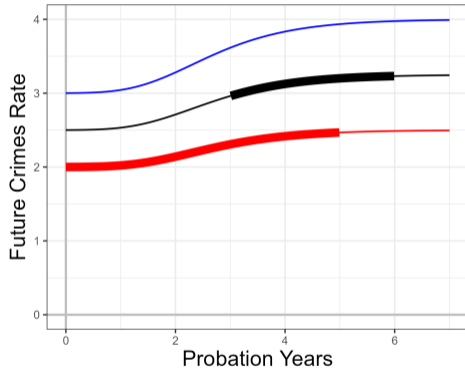
$$\mathbb{E}[\tilde{W}_k | v, W_{-k}] = \mathbb{E}[\tilde{W}_k | v]$$

2SLS.4' (Monotonicity)

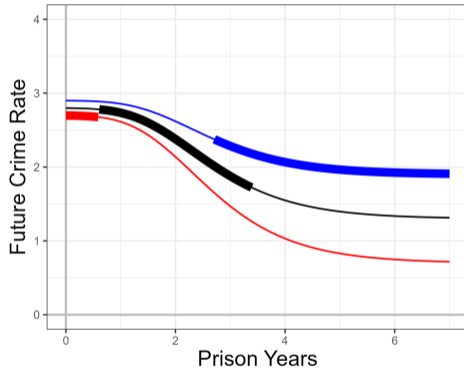
$$\mathbb{E}[\tilde{T}_k | v, D_k = 1, T_k > t] \geq \mathbb{E}[\tilde{T}_k | v, D_k = 1, T_k \leq t]$$

$$\mathbb{E}[\tilde{D}_k | v, D_k = 1] \geq \mathbb{E}[\tilde{D}_k | v, D_k \neq 1]$$

Example: Potential Outcomes by Response Types



Potential Outcomes
(Probation)



Potential Outcomes
(Prison)

- Legend
- Type 1
 - Type 2
 - Type 3

Summary Statistics on Punishments

	Punishment	RF Predicted	Recentered IV	RMSE	N
Probation	0.4541 (0.4979)	0.4539 (0.4962)	0.0117 (0.0416)	0.0115	28,324
Probation Time (Years)	0.8038 (1.09)	0.8018 (1.05)	0.0225 (0.1486)	0.1972	28,324
Stayed Sentence (Years)	0.7311 (1.69)	0.7319 (1.56)	0.0215 (0.2676)	0.3992	28,324
Prison Time (Years)	1.52 (5.02)	1.55 (4.60)	0.0729 (1.21)	1.73	28,324
Fine	0.1115 (0.3148)	0.1120 (0.2772)	0.0108 (0.0815)	0.1108	28,324

▶ Back

Placebo-Based Balance Test

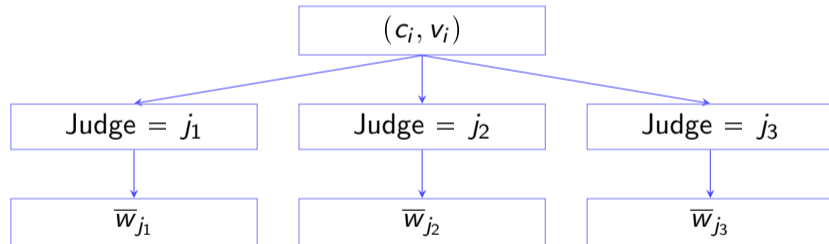
	F-statistic (1)	Placebo 90th Percentile (2)	p-value (3)	N (4)
Units	1.28	1.90	0.63	28,324
Mean unit area	2.84	9.46	0.23	28,324
Mean unit value	1.90	2.09	0.16	28,324
Mean bedrooms	2.84	5.08	0.28	28,324
Age	1.39	5.77	0.75	28,324
Male	1.38	16.56	0.24	28,324
White	6.47	1.92	0.10	28,324
Black	7.27	8.32	0.22	28,324
Divorced last year	1.02	1.59	0.78	28,324
Paternity claim last year	1.10	1.73	0.72	28,324
Evicted last year	10.12	9.91	0.06	28,324
Committed crime last year	1.37	12.78	0.52	28,324

▶ Back

Instrument Selection: Leave-out Mean of W

Leave-out mean: For defendant i assigned to judge j , instrument for W_k with judge average over other offenders (in same division rotation cycle)

$$\bar{W}_j = \frac{1}{n_j - 1} \sum_{-i \in J} W_k$$



Exogenous variation in \bar{W}_j identified through randomization-group fixed effect:

$$\hat{\delta}_i = \bar{W}_j - \mathbb{E}[\bar{W}_j | r_i]$$

The Case for Random Forest Instruments

Ideal instrument: $\delta_i = W_i - \mathbb{E}_J[W_i|V_i]$

- Borusyak and Hull (2023) show that δ_i is an exogenous and efficient IV that controls for V
- Arguments still hold when only subset $X \subseteq V$ is observed, but now use

$$\delta_x = \mathbb{E}[W_i|J, X] - \mathbb{E}_J[W_i|X_i]$$

What to do when conditional expectation functions are unknown?

- Wager and Athey (2018) show that random forests estimated with honest trees are an unbiased estimator for $\mathbb{E}[W_i|X]$
- Splitting first on judges then estimates $\mathbb{E}[W_i|J, X]$
- Avoid overfitting and many weak instrument biases by using honest splitting rules and using training sets that omit case i (Frandsen et al., 2024; Chyn et al., 2024)

Interpreting the 2SLS Estimand

Under previous assumptions, the 2SLS estimand for β_k is given by

$$T_k : \beta_k^{2SLS} = \frac{\int_0^\infty \mathbb{E}[\tau_{k,v}(t) \beta_{k,v}^{ACRT}(t)] dt}{\int_0^\infty \mathbb{E}[\tau_{k,v}(t)] dt}$$

$$D_k : \beta_k^{2SLS} = \frac{\mathbb{E}[\kappa_{k,v} \beta_{k,v}^{takeup}]}{\mathbb{E}[\kappa_{k,v}]}$$

where

$$\tau_{k,v}(t) := \text{Var}(\mathbb{1}\{T_k > t\} | v) \left(\mathbb{E}[\tilde{W}_k | k, v, T_k > t] - \mathbb{E}[\tilde{W}_k | k, v, T_k < t] \right)$$

$$\kappa_{k,v} := \text{Var}(D_k | v) \left(\mathbb{E}[\tilde{W}_k | k, v] - \mathbb{E}[\tilde{W}_k] \right) \mathbb{E}[T | k, v]$$

Econometric Setup: Treatments Effects

Average treatment effects for (unobserved) response types v

$$\beta_{k,v}^{takeup} = \frac{\mathbb{E}[Y(W)|D_k = 1, v] - \mathbb{E}[Y(W)|D_k \neq 1, v]}{\mathbb{E}[T_k|D_k = 1, v]}$$

$$\beta_{k,v}^{ACRT}(t_k) = \mathbb{E}\left[\frac{\partial}{\partial t_k} Y(t_k) \mid D_k = 1, v\right]$$

- **Takeup Effect:** Average (scaled) difference when $D_k = 1$ vs $D_k \neq 1$
→ ATE-type parameter
- **Average Causal Response:** Marginal effect of scaling up treatment k
→ ATT-type parameter

	Probation (1)	Probation Time (2)	Stayed Sentence (3)	Prison Time $<_5$ (4)	Fine (5)
$\Delta\{\text{Probation} X\}$	5.71*** (0.1161)	6.55*** (0.2525)	3.02*** (0.5627)	-3.43*** (0.1857)	-0.4199*** (0.0502)
$\Delta\{\text{Probation Time} X\}$	-0.0802*** (0.0264)	1.75*** (0.1004)	1.22*** (0.2727)	-0.0939*** (0.0286)	0.0088 (0.0086)
$\Delta\{\text{Stayed Sentence} X\}$	0.0359*** (0.0120)	0.1880*** (0.0577)	1.89*** (0.2156)	-0.0177 (0.0141)	-0.0018 (0.0037)
$\Delta\{\text{Prison Time}_{<5} X\}$	0.0394** (0.0154)	0.0102 (0.0247)	-0.0753** (0.0332)	0.6463*** (0.0715)	-0.0614*** (0.0128)
$\Delta\{\text{Fine} X\}$	-0.4737*** (0.0333)	-0.7785*** (0.0692)	-0.5116*** (0.0855)	0.7690*** (0.1090)	2.07*** (0.0596)
N	28,324	28,324	28,324	28,324	28,324
SW-F	1,853	579	151	873	1,830
Crime-Division-Rotation FEs	Yes	Yes	Yes	Yes	Yes
Pre-Trial Controls	Yes	Yes	Yes	Yes	Yes

Effects by Years Since Prison Release (Defendants)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.4782 (0.4124)	-0.2051 (0.2459)	-0.2136 (0.1970)	-0.0595 (0.2552)
Release × Exposure	0.1788 (0.1233)	0.0820 (0.0752)	0.0577 (0.0595)	0.0391 (0.0743)
Years Since Release	0.1840 (0.1455)	0.0688 (0.0866)	0.0821 (0.0694)	0.0331 (0.0903)
N	141,715	141,715	141,715	141,715
Kleibergen-Paap rk LM Stat	26.49	26.49	26.49	26.49
Kleibergen-Paap rk F Stat	2.68	2.68	2.68	2.68

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Effects by Years Since Prison Release (Residence Crime)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.6977* (0.4229)	-0.1437 (0.2104)	-0.3614** (0.1684)	-0.1925 (0.2813)
Release × Exposure	0.2243* (0.1259)	0.0614 (0.0651)	0.1071** (0.0489)	0.0557 (0.0832)
Years Since Release	0.2510 (0.1528)	0.0455 (0.0743)	0.1300** (0.0603)	0.0755 (0.1008)
N	141,715	141,715	141,715	141,715
Kleibergen-Paap rk LM Stat	26.49	26.49	26.49	26.49
Kleibergen-Paap rk F Stat	2.68	2.68	2.68	2.68

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Wald Test for Average Conditional Monotonicity

	Probation		Prison Time		Probation Time		Stayed Time	
	$X = 0$ (1)	$X = 1$ (2)	$X = 0$ (3)	$X = 1$ (4)	$X = 0$ (5)	$X = 1$ (6)	$X = 0$ (7)	$X = 1$ (8)
Multi-unit Residence	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Unit Area > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Unit Value > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Family residence	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Age > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Male	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
White	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Race	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Divorced last year	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Paternity claim last year	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Evicted last year	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Committed crime last year	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

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Wald Test for Conditional Exclusion Restriction

	Probation		Prison Time		Probation Time		Stayed Time	
	X = 0 (1)	X = 1 (2)	X = 0 (3)	X = 1 (4)	X = 0 (5)	X = 1 (6)	X = 0 (7)	X = 1 (8)
Multi-unit Residence	0.9007	0.9509	0.5934	0.7935	0.7910	0.9170	0.6291	0.7702
1{Unit Area > Median}	0.9496	0.9576	0.8469	0.8878	0.6818	0.8104	0.7390	0.8673
1{Unit Value > Median}	0.5210	0.4577	0.4040	0.2811	0.3313	0.2905	0.5785	0.5582
Family residence	0.5973	0.9531	0.7038	0.9637	0.9316	0.9924	0.8057	0.9363
1{Age > Median}	0.9482	0.9251	0.2105	0.3183	0.6253	0.5445	0.3123	0.1040
Male	0.0700	0.7352	0.0552	0.9209	0.0449	0.7791	0.1645	0.7466
White	0.7296	0.0444	0.8619	0.1258	0.5008	0.0040	0.4653	0.0025
Other Race	0.9986	0.3400	0.9948	0.1019	0.9974	0.2474	0.9964	0.2626
Divorced last year	0.9992	0.6744	0.9970	0.8094	0.9999	0.9811	0.9971	0.0867
Paternity claim last year	0.9988	0.7182	0.9988	0.7254	0.9962	0.0217	0.9802	0.0014
Evicted last year	0.9597	0.6708	0.9889	0.7451	0.9213	0.4909	0.9457	0.3515
Committed crime last year	0.9012	0.1102	0.9896	0.8317	0.9427	0.3242	0.9955	0.7590

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▶ CER Test (Omitting Sentence Lengths)

Conditional Exclusion Test (Omitting Sentence Lengths)

	Probation		Prison Time		Probation Time		Stayed Time	
	X = 0 (1)	X = 1 (2)	X = 0 (3)	X = 1 (4)	X = 0 (5)	X = 1 (6)	X = 0 (7)	X = 1 (8)
Multi-unit Residence	0.7183	0.8040	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1{Unit Area > Median}	0.5688	0.5499	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1{Unit Value > Median}	0.2971	0.3766	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Family residence	0.8123	0.9212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1{Age > Median}	0.6594	0.6384	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Male	0.0073	0.1927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
White	0.2617	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Race	0.8058	0.1057	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Divorced last year	0.9121	0.6012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paternity claim last year	0.8719	0.4294	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Evicted last year	0.7359	0.4747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Committed crime last year	0.5807	0.2241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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▶ Control for Judge Mean Sentence Length

Conditional Exclusion Test (Controlling for Judge Mean Sentence Length)

	Probation		Prison Time		Probation Time		Stayed Time	
	$X = 0$ (1)	$X = 1$ (2)	$X = 0$ (3)	$X = 1$ (4)	$X = 0$ (5)	$X = 1$ (6)	$X = 0$ (7)	$X = 1$ (8)
Multi-unit Residence	0.7597	0.8272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1{Unit Area > Median}	0.5792	0.5550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1{Unit Value > Median}	0.4509	0.5681	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Family residence	0.9285	0.9920	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
1{Age > Median}	0.6343	0.5905	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Male	0.0101	0.2326	0.0000	0.0000	0.0000	0.0000	0.1648	0.0000
White	0.2166	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Race	0.8328	0.2385	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
Divorced last year	0.9110	0.6092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0772
Paternity claim last year	0.8578	0.4242	0.0000	0.0001	0.0000	0.0000	0.0000	0.4044
Evicted last year	0.8005	0.5696	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
Committed crime last year	0.6932	0.4570	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001

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Placebo-Based Balance Test

	F-statistic (1)	Placebo 90th Percentile (2)	p-value (3)	N (4)
Units	1.28	1.90	0.63	28,324
Mean unit area	2.84	9.46	0.23	28,324
Mean unit value	1.90	2.09	0.16	28,324
Mean bedrooms	2.84	5.08	0.28	28,324
Age	1.39	5.77	0.75	28,324
Male	1.38	16.56	0.24	28,324
White	6.47	1.92	0.10	28,324
Black	7.27	8.32	0.22	28,324
Divorced last year	1.02	1.59	0.78	28,324
Paternity claim last year	1.10	1.73	0.72	28,324
Evicted last year	10.12	9.91	0.06	28,324
Committed crime last year	1.37	12.78	0.52	28,324

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Cumulative Direct Effects on Defendants

	All Crimes		Property Crimes		Violent Crimes		Other Crimes	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Probation Effects								
Probation	0.0511 (0.0380)	0.0986 (0.0691)	0.0212 (0.0182)	0.0738* (0.0387)	0.0132 (0.0213)	0.0419 (0.0334)	0.0168 (0.0241)	-0.0171 (0.0443)
Probation Years		-0.1024*** (0.0360)		-0.0740*** (0.0213)		-0.0235 (0.0174)		-0.0049 (0.0224)
Stayed Years		0.0001 (0.0141)		0.0268*** (0.0092)		-0.0027 (0.0066)		-0.0239*** (0.0088)
Prison Effects								
< 5 Years		-0.0845*** (0.0138)		-0.0238** (0.0094)		-0.0116** (0.0057)		-0.0491*** (0.0080)
N	28,324	28,324	28,324	28,324	28,324	28,324	28,324	28,324
Kleibergen-Paap rk LM Stat	3,076.59	764.15	3,076.59	764.15	3,076.59	764.15	3,076.59	764.15
Kleibergen-Paap rk F Stat	802.67	206.17	802.67	206.17	802.67	206.17	802.67	206.17

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Cumulative Spillover Effects on Residence

	All Crimes		Property Crimes		Violent Crimes		Other Crimes	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Probation Effects								
Probation	0.0303 (0.0400)	0.0608 (0.1132)	0.0138 (0.0145)	0.0267 (0.0330)	0.0078 (0.0131)	0.0013 (0.0359)	0.0087 (0.0253)	0.0328 (0.0635)
Probation Years		-0.0787 (0.0678)		-0.0284 (0.0179)		-0.0070 (0.0217)		-0.0433 (0.0376)
Stayed Years		0.0086 (0.0182)		0.0081 (0.0064)		-0.0033 (0.0064)		0.0038 (0.0105)
Prison Effects								
< 5 Years		-0.0600*** (0.0160)		-0.0156** (0.0077)		-0.0148*** (0.0051)		-0.0296*** (0.0093)
N	28,324	28,324	28,324	28,324	28,324	28,324	28,324	28,324
Kleibergen-Paap rk LM Stat	3,076.59	764.15	3,076.59	764.15	3,076.59	764.15	3,076.59	764.15
Kleibergen-Paap rk F Stat	802.67	206.17	802.67	206.17	802.67	206.17	802.67	206.17

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Wald Test for Average Conditional Monotonicity (Panel)

	Probation Dummy		Prison Release		Prison Exposure		Prison Release × Exposure		Probation Release		Probation Exposure		Probation Release × Exposure	
	X = 0 (1)	X = 1 (2)	X = 0 (3)	X = 1 (4)	X = 0 (5)	X = 1 (6)	X = 0 (7)	X = 1 (8)	X = 0 (9)	X = 1 (10)	X = 0 (11)	X = 1 (12)		
Multi-unit Residence	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9989	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Unit Area > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Unit Value > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Family residence	0.9999	1.0000	0.9998	1.0000	1.0000	1.0000	0.9918	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1{Age > Median}	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9993	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Male	0.8636	1.0000	0.9998	1.0000	1.0000	1.0000	0.9837	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
White	1.0000	1.0000	1.0000	0.9994	1.0000	0.9891	1.0000	0.9431	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Race	1.0000	0.9420	1.0000	0.9956	1.0000	0.9930	1.0000	0.1263	1.0000	0.7612	1.0000	0.9716	1.0000	0.9870
Divorced last year	1.0000	1.0000	1.0000	0.9420	1.0000	0.3908	1.0000	0.9681	1.0000	0.9996	1.0000	0.9992	1.0000	0.9999
Paternity claim last year	1.0000	1.0000	1.0000	0.9965	1.0000	0.9035	1.0000	0.8576	1.0000	0.9950	1.0000	0.9980	1.0000	0.9997
Evicted last year	1.0000	1.0000	1.0000	0.9870	1.0000	1.0000	1.0000	0.9952	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Committed crime last year	1.0000	1.0000	1.0000	0.9795	1.0000	0.0916	1.0000	0.9882	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991

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Wald Test for Conditional Exclusion Restriction (Panel)

	Probation Dummy		Prison Release		Prison Exposure		Prison Release × Exposure		Probation Release		Probation Exposure		Probation Release × Exposure	
	X = 0 (1)	X = 1 (2)	X = 0 (3)	X = 1 (4)	X = 0 (5)	X = 1 (6)	X = 0 (7)	X = 1 (8)	X = 0 (9)	X = 1 (10)	X = 0 (11)	X = 1 (12)		
Multi-unit Residence	0.7230	0.9389	0.8916	0.9839	0.2642	0.5666	0.7006	0.9359	0.9833	0.9968	0.6553	0.9157	0.7820	0.9402
1{Unit Area > Median}	0.9833	0.9839	0.9837	0.9893	0.8408	0.9231	0.9743	0.9816	0.9389	0.9539	0.9733	0.9725	0.9140	0.9114
1{Unit Value > Median}	0.5729	0.6187	0.6751	0.7528	0.2753	0.3094	0.4632	0.4170	0.1019	0.0985	0.4316	0.4626	0.0090	0.0109
Family residence	0.7329	0.9948	0.8662	0.9983	0.6130	0.9978	0.5441	0.9937	0.9918	1.0000	0.8960	0.9990	0.9714	0.9998
1{Age > Median}	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Male	0.0000	0.0132	0.0000	0.0255	0.0000	0.0000	0.0000	0.0033	0.0000	0.0000	0.0000	0.0272	0.0000	0.0106
White	0.2328	0.0000	0.3656	0.0000	0.9359	0.0227	0.8994	0.0319	0.7056	0.0001	0.6574	0.0000	0.6641	0.0000
Other Race	1.0000	0.4858	1.0000	0.2017	1.0000	0.0205	0.9999	0.0186	1.0000	0.2488	1.0000	0.4931	1.0000	0.0909
Divorced last year	1.0000	0.4856	1.0000	0.6940	1.0000	0.5855	1.0000	0.3738	1.0000	0.8604	1.0000	0.7272	1.0000	0.9219
Paternity claim last year	1.0000	0.0795	1.0000	0.0731	1.0000	0.8680	1.0000	0.5540	1.0000	0.8547	1.0000	0.5298	1.0000	0.8403
Evicted last year	0.9210	0.0000	0.9833	0.0031	0.9874	0.1125	0.9854	0.0681	0.9933	0.0172	0.9073	0.0000	0.9881	0.0177
Committed crime last year	0.6992	0.0000	0.2908	0.0000	0.6606	0.0000	0.6987	0.0025	0.4556	0.0000	0.6018	0.0000	0.6225	0.0000

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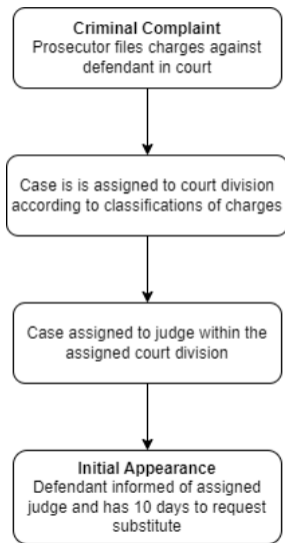
	Probation Release _{t-1} (1)	Prison Release _{t-1} (2)	Probation (3)	Fine (4)	Prison Custody (5)	Probation Custody (6)	Prison Exposure (7)	Probation Exposure (8)	Stayed Sentence (9)
Extensive Margin									
E[Probation Release _{t-1} J]	-0.0439*** (0.0160)	0.8304*** (0.0236)	0.0060 (0.0133)	0.0262* (0.0143)	-0.0505*** (0.0171)	0.1261*** (0.0314)	-0.4789*** (0.0322)	0.7047*** (0.0839)	-0.0762* (0.0412)
E[Prison Release _{t-1} J]	0.8091*** (0.0495)	-0.0219 (0.0262)	-0.0950*** (0.0200)	0.0814*** (0.0294)	-0.1641*** (0.0328)	0.1020*** (0.0315)	0.0891* (0.0473)	-0.2568*** (0.0449)	-0.1400** (0.0704)
E[Probation J]	0.1070*** (0.0184)	-0.1168*** (0.0206)	0.5985*** (0.0790)	0.0887*** (0.0274)	-0.1436*** (0.0399)	-0.1715*** (0.0357)	0.5530*** (0.0660)	-0.0719 (0.0672)	0.3510*** (0.1182)
E[Fine J]	-0.0022 (0.0311)	0.0806** (0.0338)	0.1203** (0.0583)	0.8044*** (0.0440)	-0.0006 (0.0170)	0.0323* (0.0184)	0.0102 (0.0245)	0.0488 (0.0326)	-0.0689 (0.0688)
Prison Durations									
E[Custody (Prison) _t J]	0.0396*** (0.0071)	-0.0208** (0.0087)	-0.0144 (0.0100)	0.0247*** (0.0090)	0.0424*** (0.0075)	0.0173* (0.0099)	0.0172*** (0.0055)	-0.0276* (0.0161)	0.0521*** (0.0162)
E[Prison Time _t J]	0.0031 (0.0022)	-0.0019 (0.0025)	-0.0038 (0.0029)	0.0055*** (0.0021)	-0.0070* (0.0037)	0.0938*** (0.0113)	-0.0060* (0.0031)	0.0583*** (0.0116)	-0.0093 (0.0155)
Probation Durations									
E[Custody (Probation) _t J]	-0.0708*** (0.0184)	-0.0226*** (0.0077)	-0.0157 (0.0114)	0.0297*** (0.0114)	0.0221** (0.0110)	-0.0829*** (0.0121)	0.1878*** (0.0186)	-0.2875*** (0.0370)	-0.0922* (0.0472)
E[Probation Time _t J]	-0.0307*** (0.0059)	0.0012 (0.0035)	-0.0014 (0.0036)	0.0050* (0.0030)	-0.0294*** (0.0045)	0.0802*** (0.0082)	-0.0236*** (0.0044)	0.2236*** (0.0181)	-0.0055 (0.0148)
E[Stayed Time J]	0.0077* (0.0044)	0.0110*** (0.0041)	-0.0444*** (0.0120)	-0.0001 (0.0038)	0.0093 (0.0082)	-0.0026 (0.0076)	-0.0487*** (0.0074)	0.0205* (0.0117)	0.1618*** (0.0540)
N	141,435	141,435	141,435	141,435	141,435	141,435	141,435	141,435	141,435
SW-F	243	537	641	739	293	85.09	1,140	160	50.60
Crime-Division-Rotation FEs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pre-Trial Controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Placebo-Based Balance Test

	F-statistic (1)	Placebo 90th Percentile (2)	p-value (3)	N (4)
Units	1.28	1.90	0.63	28,324
Mean unit area	2.84	9.46	0.23	28,324
Mean unit value	1.90	2.09	0.16	28,324
Mean bedrooms	2.84	5.08	0.28	28,324
Age	1.39	5.77	0.75	28,324
Male	1.38	16.56	0.24	28,324
White	6.47	1.92	0.10	28,324
Black	7.27	8.32	0.22	28,324
Divorced last year	1.02	1.59	0.78	28,324
Paternity claim last year	1.10	1.73	0.72	28,324
Evicted last year	10.12	9.91	0.06	28,324
Committed crime last year	1.37	12.78	0.52	28,324

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Court Proceedings



- Six criminal court divisions:
 - Felony: **general**, homicide & SA, drug, gun
 - Misdemeanor: **general**, DV
- Quasi-random assignment to judges
 - Assignment depends on classification of criminal charges
- Changes in judge pool over time

▶ Judge Division Assignments

General Felony Succession Calendar

Date	AF	CF	GF	HF	MF
Jan 1, 2015	Donald	Witowiak	Moroney	Brash	Pocan
Aug 3, 2015	Conen	Cimpl	Rothstein	-	-
Dec 14, 2015	-	-	-	Sanders	-
Feb 1, 2016	-	-	Wagner	-	-
Aug 1, 2016	Colón	-	McAdams	Dee	-
Jul 29, 2017	-	-	Wall	Havas	Hansher
Aug 4, 2018	-	-	Yamahiro	-	-
Aug 3, 2019	Borowski	Dee	-	Grady	-

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▶ Flowchart

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Summary

Charges

Defendant

Court record

Civil judgments

Receivables

Case summary

Filing date

[REDACTED]

Case type

Criminal

Case status

Closed - Electronic filing

Defendant date of birth

[REDACTED]

Address

[REDACTED]

Branch ID

45

DA case number

[REDACTED]

Charges

Responsible official

Kies-45, Jean Marie

Prosecuting agency

District Attorney

Prosecuting agency attorney

Tufford, Samuel

[Printable version](#)

Defendant owes the court: \$977.00

Count no.	Statute	Description	Severity	Disposition
1	940.30	False Imprisonment	Felony H	Charge Dismissed but Read In
	Modifier: 939.63(1)(b)	Use of a Dangerous Weapon		
	Modifier: 973.055(1)	Domestic Abuse Assessments		
2	947.01(1)	Disorderly Conduct	Misd. B	Guilty Due to Guilty Plea
	Modifier: 973.055(1)	Domestic Abuse Assessments		

[View history and details of charges/sentences](#)

Defendant

Defendant name

[REDACTED]

Date of birth

[REDACTED]

Sex

Male

Race

African American

Address (last updated 08-13-2018)

[REDACTED]

JUSTIS ID

[REDACTED]

Fingerprint ID

[REDACTED]

Attorneys

Attorney name

Plasted, Michael B

Hunt, Edward J.

Entered

08-30-2018

03-06-2019

Also known as

Name

[REDACTED]

Type

Also known as

Date of birth

[REDACTED]

What if average conditional monotonicity doesn't hold?

$$T_k : \beta_k^{2SLS} = \frac{\int_0^\infty \mathbb{E}[\tau_{k,v}(t) \beta_{k,v}^{ACRT}(t)] dt}{\int_0^\infty \mathbb{E}[\tau_{k,v}(t)] dt}$$

$$D_k : \beta_k^{2SLS} = \frac{\mathbb{E}[\kappa_{k,v} \beta_{k,v}^{takeup}]}{\mathbb{E}[\kappa_{k,v}]}$$

where

$$\tau_{k,v}(t), \kappa_{k,v} < 0 \text{ for some } (k, v)$$

What if the conditional exclusion restrictions don't hold?

$$\beta_k^{2SLS} = \omega^{-1} \sum_{l=1}^K \int_0^{\infty} \mathbb{E} \left[\beta_{l,v}^{ACRT}(t) \tau_{l,v}(t) \right] dt + \omega^{-1} \sum_{l=1}^K \mathbb{E} [\kappa_{l,v} \beta_{l,v}^{takeup}]$$

where

$$\omega := \sum_{l=1}^K \int_0^{\infty} \mathbb{E} [\tau_{l,v}(t)] dt + \sum_{l=1}^K \mathbb{E} [\kappa_{l,v}]$$

First Stage

	Probation (1)	Prison Exposure (2)	Probation Release _{t-1} (3)	Probation Release _t (4)	Probation Interaction _t (5)	Prison Release _{t-1} (6)	Prison Release _t (7)	Prison Interaction _t
Probation Instruments								
$\Delta\{\text{Probation} X\}$	3.89*** (0.0787)	2.32*** (0.1103)	3.23*** (0.0679)	3.87*** (0.0799)	3.35*** (0.1106)	-3.41*** (0.0676)	-3.94*** (0.0784)	-1.39*** (0.0516)
$\Delta\{\text{Exposure} X\}$	-0.6561*** (0.0176)	0.6854*** (0.0495)	-0.3264*** (0.0160)	-0.5746*** (0.0202)	0.1633*** (0.0381)	0.4205*** (0.0147)	0.6624*** (0.0176)	0.1444*** (0.0106)
$\Delta\{\text{Release}_{t-1} X\}$	-0.4535*** (0.0028)	-1.28*** (0.0075)	0.3224*** (0.0034)	-0.4483*** (0.0032)	-0.8549*** (0.0059)	0.6997*** (0.0033)	0.4393*** (0.0029)	-0.0555*** (0.0045)
$\Delta\{\text{Release}_t X\}$	-0.4933*** (0.0032)	-0.5932*** (0.0061)	0.0945*** (0.0025)	0.5290*** (0.0034)	0.9539*** (0.0087)	-0.0764*** (0.0025)	0.5188*** (0.0033)	0.3739*** (0.0056)
$\Delta\{\text{Release} \times \text{Exposure} X\}$	0.2102*** (0.0102)	0.3133*** (0.0235)	-0.0387*** (0.0073)	0.0938*** (0.0140)	0.7021*** (0.0349)	0.0565*** (0.0073)	-0.2219*** (0.0104)	-0.2104*** (0.0069)
$\Delta\{\text{Release}_{t-1} X\}$	0.1895*** (0.0029)	0.3591*** (0.0061)	0.4159*** (0.0038)	0.1835*** (0.0029)	0.1510*** (0.0056)	0.5469*** (0.0039)	-0.2287*** (0.0035)	-0.9658*** (0.0143)
$\Delta\{\text{Release}_t X\}$	0.1985*** (0.0038)	0.3357*** (0.0071)	-0.0258*** (0.0031)	0.2120*** (0.0039)	0.5831*** (0.0085)	0.0757*** (0.0033)	0.8246*** (0.0041)	0.9716*** (0.0127)
$\Delta\{\text{Release} \times \text{Exposure} X\}$	0.0763*** (0.0127)	-0.0020 (0.0205)	0.1523*** (0.0124)	0.0736*** (0.0127)	-0.0621*** (0.0206)	-0.0910*** (0.0140)	-0.2161*** (0.0142)	0.3596*** (0.0503)
N	141,715	141,715	141,715	141,715	141,715	141,715	141,715	141,715
SW-F	2,299	1,482	3,825	4,207	2,799	1,121	986	461
Crime-Division-Rotation FEs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pre-Trial Controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Cumulative Effects on Defendants: Full Sample

	All Crimes		Property Crimes		Violent Crimes		Other Crimes	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Probation Effects								
Probation	0.0576 (0.0376)	0.1125* (0.0681)	0.0239 (0.0180)	0.0786** (0.0380)	0.0127 (0.0210)	0.0417 (0.0330)	0.0210 (0.0239)	-0.0078 (0.0438)
Probation Years		-0.1029*** (0.0359)		-0.0740*** (0.0213)		-0.0240 (0.0174)		-0.0048 (0.0223)
Stayed Years		-0.0002 (0.0141)		0.0265*** (0.0092)		-0.0026 (0.0066)		-0.0241*** (0.0088)
Prison Effects								
< 5 Years		-0.0827*** (0.0136)		-0.0233** (0.0092)		-0.0120** (0.0057)		-0.0473*** (0.0079)
N	29,390	29,390	29,390	29,390	29,390	29,390	29,390	29,390
Kleibergen-Paap rk LM Stat	3,151.36	662.37	3,151.36	662.37	3,151.36	662.37	3,151.36	662.37
Kleibergen-Paap rk F Stat	843.19	202.33	843.19	202.33	843.19	202.33	843.19	202.33

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Cumulative Effects on Residence: Full Sample

	All Crimes		Property Crimes		Violent Crimes		Other Crimes	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Probation Effects								
Probation	0.0463 (0.0398)	0.0856 (0.1122)	0.0165 (0.0144)	0.0318 (0.0325)	0.0112 (0.0130)	0.0067 (0.0355)	0.0185 (0.0255)	0.0471 (0.0632)
Probation Years		-0.0788 (0.0675)		-0.0285 (0.0179)		-0.0070 (0.0217)		-0.0433 (0.0374)
Stayed Years		0.0077 (0.0183)		0.0081 (0.0064)		-0.0035 (0.0064)		0.0031 (0.0105)
Prison Effects								
< 5 Years		-0.0572*** (0.0157)		-0.0147* (0.0076)		-0.0142*** (0.0050)		-0.0283*** (0.0092)
N	29,390	29,390	29,390	29,390	29,390	29,390	29,390	29,390
Kleibergen-Paap rk LM Stat	3,151.36	662.37	3,151.36	662.37	3,151.36	662.37	3,151.36	662.37
Kleibergen-Paap rk F Stat	843.19	202.33	843.19	202.33	843.19	202.33	843.19	202.33

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Incapacitation and Exposure Effects (Defendants): Full Sample

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1488*** (0.0300)	0.0224 (0.0224)	0.0492*** (0.0148)	0.0773*** (0.0139)
Exposure	-0.0444*** (0.0133)	-0.0134 (0.0093)	-0.0167*** (0.0065)	-0.0143** (0.0070)
Release	-0.1016*** (0.0323)	-0.0235 (0.0196)	-0.0262 (0.0192)	-0.0519*** (0.0168)
Release × Exposure	0.0363** (0.0148)	0.0081 (0.0079)	0.0117 (0.0091)	0.0165** (0.0084)
Prison Effects				
Release	0.1395*** (0.0491)	0.0010 (0.0387)	0.0562** (0.0241)	0.0823*** (0.0194)
Release × Exposure	0.0054 (0.0357)	0.0268 (0.0287)	-0.0189 (0.0175)	-0.0025 (0.0129)
N	147,045	147,045	147,045	147,045
Kleibergen-Paap rk LM Stat	238.30	238.30	238.30	238.30
Kleibergen-Paap rk F Stat	21.66	21.66	21.66	21.66

Incapacitation and Exposure Effects (Residence): Full Sample

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0439 (0.0657)	-0.0168 (0.0234)	0.0097 (0.0192)	0.0509 (0.0351)
Exposure	-0.0122 (0.0232)	0.0066 (0.0091)	0.0001 (0.0071)	-0.0189 (0.0126)
Release	-0.0191 (0.0268)	-0.0018 (0.0173)	0.0023 (0.0087)	-0.0197 (0.0178)
Release × Exposure	0.0189 (0.0122)	0.0013 (0.0066)	-0.0006 (0.0046)	0.0182* * (0.0085)
Prison Effects				
Release	-0.0258 (0.0472)	-0.0400 (0.0367)	-0.0029 (0.0107)	0.0171 (0.0257)
Release × Exposure	0.0293 (0.0346)	0.0322 (0.0275)	0.0036 (0.0075)	-0.0066 (0.0178)
N	147,045	147,045	147,045	147,045
Kleibergen-Paap rk LM Stat	238.30	238.30	238.30	238.30
Kleibergen-Paap rk F Stat	21.66	21.66	21.66	21.66

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Cumulative Effects on Defendants: All Sentence Lengths

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0306 (0.0748)	0.0536 (0.0427)	0.0337 (0.0348)	-0.0567 (0.0476)
Probation Years	-0.1079*** (0.0363)	-0.0757*** (0.0214)	-0.0241 (0.0175)	-0.0081 (0.0226)
Stayed Years	0.0010 (0.0142)	0.0272*** (0.0092)	-0.0028 (0.0066)	-0.0234*** (0.0089)
Prison				
Prison Years	-0.0134*** (0.0019)	-0.0033*** (0.0009)	-0.0023*** (0.0006)	-0.0078*** (0.0012)
< 5 Years	-0.2101*** (0.0454)	-0.0626** (0.0291)	-0.0252 (0.0175)	-0.1222*** (0.0262)
N	28,324	28,324	28,324	28,324
Kleibergen-Paap rk LM Stat	118.82	118.82	118.82	118.82
Kleibergen-Paap rk F Stat	22.17	22.17	22.17	22.17

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Cumulative Effects on Residence: All Sentence Lengths

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0050 (0.1070)	0.0116 (0.0354)	-0.0111 (0.0342)	0.0045 (0.0608)
Probation Years	-0.0835 (0.0688)	-0.0297 (0.0181)	-0.0080 (0.0220)	-0.0457 (0.0381)
Stayed Years	0.0101 (0.0185)	0.0086 (0.0064)	-0.0031 (0.0065)	0.0047 (0.0106)
Prison				
Prison Years	-0.0062*** (0.0022)	-0.0013 (0.0010)	-0.0022*** (0.0008)	-0.0027* (0.0015)
< 5 Years	-0.1725*** (0.0522)	-0.0468* (0.0242)	-0.0382** (0.0163)	-0.0874*** (0.0304)
N	28,324	28,324	28,324	28,324
Kleibergen-Paap rk LM Stat	118.82	118.82	118.82	118.82
Kleibergen-Paap rk F Stat	22.17	22.17	22.17	22.17

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Cumulative Effects (Defendants): Male Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1361* (0.0815)	0.0607 (0.0444)	0.0588 (0.0399)	0.0167 (0.0531)
Probation Years	-0.1261*** (0.0430)	-0.0766*** (0.0249)	-0.0268 (0.0209)	-0.0227 (0.0271)
Stayed Years	0.0061 (0.0154)	0.0287*** (0.0100)	-0.0017 (0.0073)	-0.0209** (0.0094)
Prison Effects				
< 5 Years	-0.0836*** (0.0150)	-0.0230** (0.0102)	-0.0100 (0.0062)	-0.0506*** (0.0088)
N	23,929	23,929	23,929	23,929
Kleibergen-Paap rk LM Stat	643.28	643.28	643.28	643.28
Kleibergen-Paap rk F Stat	173.65	173.65	173.65	173.65

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▶ Female

Cumulative Effects (Defendants): Female Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	-0.0152 (0.1217)	0.1063 (0.0829)	-0.0351 (0.0558)	-0.0863 (0.0643)
Probation Years	0.0059 (0.0782)	-0.0322 (0.0501)	-0.0017 (0.0404)	0.0397 (0.0394)
Stayed Years	-0.0434 (0.0686)	-0.0126 (0.0438)	-0.0193 (0.0357)	-0.0114 (0.0309)
Prison Effects				
< 5 Years	-0.0476 (0.0314)	-0.0201 (0.0203)	-0.0165 (0.0109)	-0.0110 (0.0162)
N	4,361	4,361	4,361	4,361
Kleibergen-Paap rk LM Stat	1.39	1.39	1.39	1.39
Kleibergen-Paap rk F Stat	0.26	0.26	0.26	0.26

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Cumulative Effects (Defendants): White Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1686** (0.0796)	0.1004** (0.0436)	0.0589 (0.0397)	0.0093 (0.0514)
Probation Years	-0.1277*** (0.0434)	-0.0890*** (0.0241)	-0.0352 (0.0222)	-0.0036 (0.0271)
Stayed Years	0.0005 (0.0166)	0.0312*** (0.0103)	-0.0007 (0.0080)	-0.0300*** (0.0107)
Prison Effects				
< 5 Years	-0.0862*** (0.0153)	-0.0234** (0.0107)	-0.0124** (0.0063)	-0.0504*** (0.0088)
N	22,292	22,292	22,292	22,292
Kleibergen-Paap rk LM Stat	652.49	652.49	652.49	652.49
Kleibergen-Paap rk F Stat	173.05	173.05	173.05	173.05

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▶ Black

Cumulative Effects (Defendants): Black Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	-0.1793 (0.1644)	-0.0048 (0.0913)	0.0222 (0.0578)	-0.1966* (0.1123)
Probation Years	-0.0300 (0.0709)	-0.0139 (0.0501)	-0.0063 (0.0227)	-0.0098 (0.0436)
Stayed Years	0.0293 (0.0352)	0.0148 (0.0242)	-0.0015 (0.0111)	0.0159 (0.0211)
Prison Effects				
< 5 Years	-0.0703* (0.0386)	-0.0251 (0.0223)	-0.0066 (0.0140)	-0.0386 (0.0241)
N	5,022	5,022	5,022	5,022
Kleibergen-Paap rk LM Stat	87.62	87.62	87.62	87.62
Kleibergen-Paap rk F Stat	25.08	25.08	25.08	25.08

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Cumulative Effects (Defendants): Defendants < 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1146 (0.0983)	0.0959** (0.0452)	0.0299 (0.0479)	-0.0111 (0.0695)
Probation Years	-0.1254*** (0.0468)	-0.0943*** (0.0258)	-0.0169 (0.0225)	-0.0141 (0.0320)
Stayed Years	-0.0014 (0.0168)	0.0323*** (0.0106)	-0.0071 (0.0077)	-0.0265** (0.0119)
Prison Effects				
< 5 Years	-0.1045*** (0.0193)	-0.0240*** (0.0076)	-0.0137 (0.0095)	-0.0668*** (0.0137)
N	13,916	13,916	13,916	13,916
Kleibergen-Paap rk LM Stat	271.04	271.04	271.04	271.04
Kleibergen-Paap rk F Stat	125.13	125.13	125.13	125.13

Cumulative Effects (Defendants): Defendants \geq 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0439 (0.1013)	0.0344 (0.0657)	0.0594 (0.0466)	-0.0500 (0.0540)
Probation Years	-0.0863 (0.0590)	-0.0459 (0.0369)	-0.0432 (0.0289)	0.0028 (0.0302)
Stayed Years	0.0258 (0.0268)	0.0227 (0.0179)	0.0116 (0.0124)	-0.0086 (0.0131)
Prison Effects				
< 5 Years	-0.0541*** (0.0195)	-0.0164 (0.0156)	-0.0073 (0.0071)	-0.0304*** (0.0095)
N	14,384	14,384	14,384	14,384
Kleibergen-Paap rk LM Stat	20.69	20.69	20.69	20.69
Kleibergen-Paap rk F Stat	4.83	4.83	4.83	4.83

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Cumulative Effects (Defendants): Violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	-0.0714 (0.1639)	-0.0121 (0.0682)	-0.1093 (0.0842)	0.0500 (0.1109)
Probation Years	0.0443 (0.1305)	-0.0431 (0.0355)	0.1042 (0.0753)	-0.0167 (0.0869)
Stayed Years	-0.1661* (0.0976)	-0.0234 (0.0275)	-0.0906* (0.0545)	-0.0521 (0.0570)
Prison Effects				
< 5 Years	-0.1045*** (0.0402)	-0.0458 (0.0335)	-0.0233 (0.0152)	-0.0354* (0.0191)
N	3,547	3,547	3,547	3,547
Kleibergen-Paap rk LM Stat	6.84	6.84	6.84	6.84
Kleibergen-Paap rk F Stat	1.47	1.47	1.47	1.47

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▶ Nonviolent

Cumulative Effects (Defendants): Non-violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1169 (0.0762)	0.0876** (0.0428)	0.0598 (0.0371)	-0.0305 (0.0486)
Probation Years	-0.1116*** (0.0386)	-0.0762*** (0.0233)	-0.0328* (0.0185)	-0.0025 (0.0238)
Stayed Years	0.0056 (0.0147)	0.0290*** (0.0097)	0.0000 (0.0069)	-0.0235*** (0.0091)
Prison Effects				
< 5 Years	-0.0811*** (0.0147)	-0.0193** (0.0095)	-0.0101 (0.0062)	-0.0516*** (0.0088)
N	24,773	24,773	24,773	24,773
Kleibergen-Paap rk LM Stat	501.68	501.68	501.68	501.68
Kleibergen-Paap rk F Stat	143.13	143.13	143.13	143.13

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Cumulative Effects (Defendants): Misdemeanors

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	-0.0441 (0.1428)	0.0155 (0.0812)	0.0124 (0.0580)	-0.0719 (0.0868)
Probation Years	-0.0814 (0.1258)	-0.0379 (0.0730)	-0.0349 (0.0516)	-0.0087 (0.0753)
Stayed Years	0.0334 (0.0892)	0.0562 (0.0581)	-0.0086 (0.0334)	-0.0141 (0.0541)
Prison Effects				
< 5 Years	-0.0977*** (0.0210)	-0.0295** (0.0150)	-0.0134* (0.0081)	-0.0548*** (0.0110)
N	14,539	14,539	14,539	14,539
Kleibergen-Paap rk LM Stat	92.52	92.52	92.52	92.52
Kleibergen-Paap rk F Stat	40.91	40.91	40.91	40.91

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▶ Felonies

Cumulative Effects (Defendants): Felonies

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.2486*** (0.0914)	0.1157** (0.0489)	0.0767 (0.0478)	0.0563 (0.0594)
Probation Years	-0.1229*** (0.0377)	-0.0859*** (0.0225)	-0.0273 (0.0191)	-0.0097 (0.0240)
Stayed Years	0.0007 (0.0140)	0.0266*** (0.0091)	-0.0019 (0.0069)	-0.0240*** (0.0089)
Prison Effects				
< 5 Years	-0.0653*** (0.0173)	-0.0187* (0.0103)	-0.0081 (0.0081)	-0.0385*** (0.0120)
N	14,846	14,846	14,846	14,846
Kleibergen-Paap rk LM Stat	544.47	544.47	544.47	544.47
Kleibergen-Paap rk F Stat	106.33	106.33	106.33	106.33

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Cumulative Effects (Defendants): Property Unit Value Below Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1483 (0.1055)	0.0735 (0.0561)	0.0646 (0.0525)	0.0103 (0.0722)
Probation Years	-0.1503** (0.0608)	-0.0706** (0.0350)	-0.0488 (0.0304)	-0.0309 (0.0394)
Stayed Years	0.0336 (0.0250)	0.0379** (0.0169)	0.0108 (0.0115)	-0.0151 (0.0157)
Prison Effects				
< 5 Years	-0.0819*** (0.0181)	-0.0124 (0.0118)	-0.0074 (0.0088)	-0.0620*** (0.0115)
N	14,154	14,154	14,154	14,154
Kleibergen-Paap rk LM Stat	50.84	50.84	50.84	50.84
Kleibergen-Paap rk F Stat	13.42	13.42	13.42	13.42

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▶ Above Median

Cumulative Effects (Defendants): Property Unit Value Above Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0462 (0.0956)	0.0777 (0.0567)	0.0228 (0.0470)	-0.0543 (0.0553)
Probation Years	-0.0684 (0.0449)	-0.0826*** (0.0279)	-0.0078 (0.0204)	0.0220 (0.0260)
Stayed Years	-0.0221 (0.0176)	0.0223** (0.0109)	-0.0115 (0.0083)	-0.0329*** (0.0114)
Prison Effects				
< 5 Years	-0.0876*** (0.0213)	-0.0348** (0.0149)	-0.0149** (0.0075)	-0.0379*** (0.0115)
N	14,146	14,146	14,146	14,146
Kleibergen-Paap rk LM Stat	407.02	407.02	407.02	407.02
Kleibergen-Paap rk F Stat	109.39	109.39	109.39	109.39

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Cumulative Effects (Defendants): Recent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.9717** (0.4145)	0.2187 (0.2504)	0.3560* (0.1935)	0.3970 (0.2462)
Probation Years	-0.5123** (0.2572)	-0.1597 (0.1557)	-0.2000* (0.1072)	-0.1526 (0.1522)
Stayed Years	0.1056 (0.0975)	0.0747 (0.0620)	0.0621 (0.0394)	-0.0312 (0.0574)
Prison Effects				
< 5 Years	-0.0733 (0.0552)	-0.0339 (0.0453)	0.0264 (0.0250)	-0.0658** (0.0286)
N	3,742	3,742	3,742	3,742
Kleibergen-Paap rk LM Stat	33.24	33.24	33.24	33.24
Kleibergen-Paap rk F Stat	7.63	7.63	7.63	7.63

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Incapacitation and Exposure Effects (Defendants): Male Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1540*** (0.0330)	0.0131 (0.0244)	0.0512*** (0.0163)	0.0897*** (0.0158)
Exposure	-0.0480*** (0.0150)	-0.0096 (0.0103)	-0.0181** (0.0073)	-0.0203** (0.0083)
Release	-0.0982*** (0.0367)	-0.0045 (0.0218)	-0.0285 (0.0220)	-0.0652*** (0.0194)
Release × Exposure	0.0342** (0.0171)	-0.0004 (0.0089)	0.0125 (0.0106)	0.0222** (0.0098)
Prison Effects				
Release	0.1217** (0.0522)	-0.0113 (0.0412)	0.0533** (0.0254)	0.0797*** (0.0206)
Release × Exposure	0.0169 (0.0389)	0.0357 (0.0314)	-0.0180 (0.0190)	-0.0008 (0.0140)
N	119,735	119,735	119,735	119,735
Kleibergen-Paap rk LM Stat	221.58	221.58	221.58	221.58
Kleibergen-Paap rk F Stat	19.70	19.70	19.70	19.70

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▶ Female

Incapacitation and Exposure Effects (Defendants): Female Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1087** (0.0451)	0.1040*** (0.0329)	0.0087 (0.0179)	-0.0040 (0.0241)
Exposure	-0.0266 (0.0227)	-0.0377** (0.0163)	0.0018 (0.0105)	0.0093 (0.0120)
Release	-0.1185** (0.0549)	-0.1385*** (0.0390)	0.0111 (0.0219)	0.0090 (0.0327)
Release × Exposure	0.0436* (0.0247)	0.0533*** (0.0173)	-0.0024 (0.0110)	-0.0073 (0.0147)
Prison Effects				
Release	0.1247** (0.0519)	0.0949** (0.0369)	0.0080 (0.0219)	0.0218 (0.0293)
Release × Exposure	-0.0575* (0.0347)	-0.0528** (0.0253)	-0.0036 (0.0155)	-0.0012 (0.0191)
N	21,980	21,980	21,980	21,980
Kleibergen-Paap rk LM Stat	1.53	1.53	1.53	1.53
Kleibergen-Paap rk F Stat	0.15	0.15	0.15	0.15

Incapacitation and Exposure Effects (Defendants): White Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1653*** (0.0329)	0.0159 (0.0259)	0.0482*** (0.0149)	0.1012*** (0.0144)
Exposure	-0.0511*** (0.0147)	-0.0099 (0.0108)	-0.0170** (0.0069)	-0.0242*** (0.0072)
Release	-0.0869** (0.0377)	-0.0150 (0.0234)	-0.0131 (0.0215)	-0.0589*** (0.0196)
Release × Exposure	0.0334* (0.0171)	0.0029 (0.0091)	0.0077 (0.0107)	0.0228** (0.0094)
Prison Effects				
Release	0.1310** (0.0511)	-0.0049 (0.0422)	0.0419* (0.0218)	0.0940*** (0.0197)
Release × Exposure	0.0104 (0.0396)	0.0350 (0.0335)	-0.0109 (0.0166)	-0.0136 (0.0137)
N	111,555	111,555	111,555	111,555
Kleibergen-Paap rk LM Stat	235.58	235.58	235.58	235.58
Kleibergen-Paap rk F Stat	22.49	22.49	22.49	22.49

Incapacitation and Exposure Effects (Defendants): Black Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0546 (0.0573)	0.0581** (0.0280)	0.0354 (0.0290)	-0.0389 (0.0423)
Exposure	-0.0080 (0.0281)	-0.0265* (0.0144)	-0.0100 (0.0126)	0.0285 (0.0214)
Release	-0.1548*** (0.0543)	-0.0841** (0.0345)	-0.0553** (0.0259)	-0.0154 (0.0353)
Release × Exposure	0.0375 (0.0298)	0.0327* (0.0191)	0.0202* (0.0117)	-0.0154 (0.0213)
Prison Effects				
Release	0.1031 (0.0804)	0.0609 (0.0418)	0.0467 (0.0491)	-0.0046 (0.0512)
Release × Exposure	0.0141 (0.0564)	-0.0203 (0.0277)	-0.0105 (0.0378)	0.0449 (0.0338)
N	25,315	25,315	25,315	25,315
Kleibergen-Paap rk LM Stat	29.19	29.19	29.19	29.19
Kleibergen-Paap rk F Stat	2.39	2.39	2.39	2.39

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Incapacitation and Exposure Effects (Defendants): Defendants < 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.2252*** (0.0348)	0.0425*** (0.0131)	0.0666*** (0.0249)	0.1161*** (0.0207)
Exposure	-0.0704*** (0.0159)	-0.0222*** (0.0063)	-0.0242*** (0.0104)	-0.0240*** (0.0102)
Release	-0.1723*** (0.0441)	-0.0291 (0.0184)	-0.0423 (0.0307)	-0.1008*** (0.0262)
Release × Exposure	0.0655*** (0.0201)	0.0107 (0.0086)	0.0208 (0.0137)	0.0340*** (0.0123)
Prison Effects				
Release	0.2209*** (0.0564)	0.0300 (0.0210)	0.0616 (0.0426)	0.1292*** (0.0309)
Release × Exposure	-0.0381 (0.0399)	0.0001 (0.0137)	-0.0154 (0.0318)	-0.0228 (0.0203)
N	69,710	69,710	69,710	69,710
Kleibergen-Paap rk LM Stat	199.15	199.15	199.15	199.15
Kleibergen-Paap rk F Stat	20.69	20.69	20.69	20.69

Incapacitation and Exposure Effects (Defendants): Defendants \geq 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0418 (0.0525)	-0.0098 (0.0481)	0.0255** (0.0123)	0.0261 (0.0174)
Exposure	-0.0105 (0.0230)	-0.0001 (0.0203)	-0.0067 (0.0065)	-0.0037 (0.0088)
Release	-0.0171 (0.0503)	-0.0062 (0.0407)	-0.0052 (0.0180)	-0.0057 (0.0210)
Release \times Exposure	-0.0029 (0.0224)	0.0001 (0.0158)	-0.0022 (0.0099)	-0.0008 (0.0107)
Prison Effects				
Release	0.0380 (0.0767)	-0.0337 (0.0720)	0.0436*** (0.0164)	0.0281 (0.0220)
Release \times Exposure	0.0585 (0.0607)	0.0572 (0.0576)	-0.0199* (0.0118)	0.0212 (0.0162)
N	72,005	72,005	72,005	72,005
Kleibergen-Paap rk LM Stat	89.51	89.51	89.51	89.51
Kleibergen-Paap rk F Stat	7.87	7.87	7.87	7.87

Incapacitation and Exposure Effects (Defendants): Violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0556 (0.2203)	-0.1735 (0.2050)	0.1267 (0.0794)	0.1024* (0.0482)
Exposure	0.0073 (0.1002)	0.0812 (0.0901)	-0.0360 (0.0392)	-0.0379 (0.0281)
Release	-0.0144 (0.1825)	0.1682 (0.1622)	-0.1091 (0.0755)	-0.0735 (0.0540)
Release × Exposure	0.0077 (0.0772)	-0.0620 (0.0637)	0.0422 (0.0345)	0.0275 (0.0308)
Prison Effects				
Release	0.0018 (0.2667)	-0.2403 (0.2517)	0.1568* (0.0914)	0.0854* (0.0492)
Release × Exposure	0.0954 (0.2215)	0.2042 (0.2108)	-0.0945 (0.0711)	-0.0144 (0.0384)
N	17,770	17,770	17,770	17,770
Kleibergen-Paap rk LM Stat	31.66	31.66	31.66	31.66
Kleibergen-Paap rk F Stat	3.47	3.47	3.47	3.47

▶ Back

▶ Non-violent

Incapacitation and Exposure Effects (Defendants): Non-violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1596*** (0.0245)	0.0415*** (0.0135)	0.0411*** (0.0145)	0.0770*** (0.0146)
Exposure	-0.0484*** (0.0117)	-0.0208*** (0.0066)	-0.0143** (0.0064)	-0.0133* (0.0073)
Release	-0.1128*** (0.0323)	-0.0416** (0.0166)	-0.0158 (0.0205)	-0.0554*** (0.0182)
Release × Exposure	0.0389** (0.0154)	0.0128 (0.0078)	0.0080 (0.0096)	0.0181** (0.0089)
Prison Effects				
Release	0.1458*** (0.0355)	0.0367* (0.0195)	0.0352 (0.0224)	0.0738*** (0.0197)
Release × Exposure	-0.0038 (0.0256)	0.0023 (0.0138)	-0.0067 (0.0171)	0.0006 (0.0135)
N	123,945	123,945	123,945	123,945
Kleibergen-Paap rk LM Stat	210.78	210.78	210.78	210.78
Kleibergen-Paap rk F Stat	18.88	18.88	18.88	18.88

Incapacitation and Exposure Effects (Defendants): Misdemeanors

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0733 (0.0728)	-0.0482 (0.0588)	0.0527** (0.0236)	0.0688* (0.0351)
Exposure	-0.0276 (0.0588)	0.0357 (0.0465)	-0.0294 (0.0209)	-0.0339 (0.0297)
Release	-0.0070 (0.0947)	0.0548 (0.0784)	-0.0293 (0.0292)	-0.0326 (0.0420)
Release × Exposure	0.0037 (0.0593)	-0.0387 (0.0440)	0.0121 (0.0234)	0.0302 (0.0310)
Prison Effects				
Release	0.0399 (0.0339)	-0.0268 (0.0284)	0.0261*** (0.0087)	0.0406*** (0.0153)
Release × Exposure	0.1054 (0.0744)	0.1016 (0.0706)	-0.0193* (0.0108)	0.0231 (0.0194)
N	67,820	67,820	67,820	67,820
Kleibergen-Paap rk LM Stat	139.26	139.26	139.26	139.26
Kleibergen-Paap rk F Stat	16.49	16.49	16.49	16.49

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▶ Felonies

Incapacitation and Exposure Effects (Defendants): Felonies

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1701*** (0.0258)	0.0476*** (0.0118)	0.0380** (0.0180)	0.0845*** (0.0149)
Exposure	-0.0496*** (0.0110)	-0.0229*** (0.0053)	-0.0124* (0.0069)	-0.0142** (0.0069)
Release	-0.1105*** (0.0397)	-0.0143 (0.0195)	-0.0276 (0.0266)	-0.0685*** (0.0226)
Release × Exposure	0.0341* (0.0176)	0.0040 (0.0087)	0.0123 (0.0117)	0.0178* (0.0102)
Prison Effects				
Release	0.1669** (0.0691)	0.0473 (0.0303)	0.0404 (0.0511)	0.0792** (0.0374)
Release × Exposure	-0.0279 (0.0353)	-0.0107 (0.0146)	-0.0088 (0.0278)	-0.0084 (0.0175)
N	73,895	73,895	73,895	73,895
Kleibergen-Paap rk LM Stat	264.18	264.18	264.18	264.18
Kleibergen-Paap rk F Stat	24.94	24.94	24.94	24.94

Incapacitation and Exposure Effects (Defendants): Property Unit Value Below Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.2075*** (0.0395)	0.0483*** (0.0182)	0.0578** (0.0280)	0.1014*** (0.0224)
Exposure	-0.0760*** (0.0189)	-0.0286*** (0.0092)	-0.0180 (0.0119)	-0.0294** (0.0118)
Release	-0.1431*** (0.0428)	-0.0636*** (0.0205)	-0.0212 (0.0275)	-0.0583** (0.0260)
Release × Exposure	0.0487** (0.0205)	0.0269*** (0.0103)	0.0002 (0.0116)	0.0216 (0.0136)
Prison Effects				
Release	0.2117*** (0.0586)	0.0304 (0.0251)	0.0981** (0.0460)	0.0832*** (0.0288)
Release × Exposure	-0.0465 (0.0419)	0.0036 (0.0172)	-0.0445 (0.0343)	-0.0057 (0.0190)
N	70,850	70,850	70,850	70,850
Kleibergen-Paap rk LM Stat	99.41	99.41	99.41	99.41
Kleibergen-Paap rk F Stat	9.25	9.25	9.25	9.25

Incapacitation and Exposure Effects (Defendants): Property Unit Value Above Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.0960** (0.0445)	0.0008 (0.0383)	0.0392*** (0.0146)	0.0560*** (0.0178)
Exposure	-0.0178 (0.0189)	-0.0016 (0.0156)	-0.0148** (0.0067)	-0.0014 (0.0085)
Release	-0.0728 (0.0487)	0.0097 (0.0316)	-0.0300 (0.0288)	-0.0525** (0.0220)
Release × Exposure	0.0289 (0.0214)	-0.0070 (0.0117)	0.0207 (0.0139)	0.0152 (0.0105)
Prison Effects				
Release	0.0618 (0.0694)	-0.0198 (0.0623)	0.0123 (0.0193)	0.0694*** (0.0239)
Release × Exposure	0.0518 (0.0553)	0.0447 (0.0505)	0.0053 (0.0146)	0.0018 (0.0173)
N	70,865	70,865	70,865	70,865
Kleibergen-Paap rk LM Stat	143.21	143.21	143.21	143.21
Kleibergen-Paap rk F Stat	12.79	12.79	12.79	12.79

Incapacitation and Exposure Effects (Defendants): Recent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Probation Effects				
Probation	0.1767* (0.0946)	0.0899 (0.0607)	-0.0168 (0.0434)	0.1036* (0.0591)
Exposure	0.0049 (0.0584)	-0.0377 (0.0366)	0.0374 (0.0270)	0.0052 (0.0372)
Release	0.0147 (0.1514)	-0.0337 (0.0823)	0.0189 (0.0610)	0.0295 (0.1065)
Release × Exposure	-0.0839 (0.0826)	0.0034 (0.0417)	-0.0529 (0.0323)	-0.0344 (0.0579)
Prison Effects				
Release	0.2111* (0.1079)	0.0270 (0.0677)	0.0544 (0.0475)	0.1298* (0.0706)
Release × Exposure	0.0722 (0.1031)	0.0230 (0.0661)	0.0115 (0.0496)	0.0377 (0.0654)
N	12,774	12,774	12,774	12,774
Kleibergen-Paap rk LM Stat	249.91	249.91	249.91	249.91
Kleibergen-Paap rk F Stat	25.78	25.78	25.78	25.78

Incapacitation and Exposure Effects (Residence): Male Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.8859** (0.4370)	-0.2246 (0.2156)	-0.3917** (0.1709)	-0.2696 (0.2871)
Release × Exposure	0.2884** (0.1327)	0.0890 (0.0683)	0.1193** (0.0504)	0.0801 (0.0862)
Years Since Release	0.3148** (0.1557)	0.0742 (0.0751)	0.1397** (0.0605)	0.1009 (0.1017)
N	119,735	119,735	119,735	119,735
Kleibergen-Paap rk LM Stat	27.82	27.82	27.82	27.82
Kleibergen-Paap rk F Stat	2.82	2.82	2.82	2.82

▶ Back

▶ Female

Incapacitation and Exposure Effects (Residence): Female Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-5.96 (11.84)	-2.78 (5.48)	-0.7797 (1.75)	-2.39 (5.09)
Release × Exposure	1.44 (2.96)	0.6756 (1.37)	0.1839 (0.4341)	0.5775 (1.27)
Years Since Release	2.38 (4.76)	1.11 (2.20)	0.3040 (0.7047)	0.9730 (2.05)
N	21,980	21,980	21,980	21,980
Kleibergen-Paap rk LM Stat	0.27	0.27	0.27	0.27
Kleibergen-Paap rk F Stat	0.03	0.03	0.03	0.03

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Incapacitation and Exposure Effects (Residence): White Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.5856 (0.4103)	-0.1156 (0.2279)	-0.3396* (0.1765)	-0.1304 (0.2907)
Release × Exposure	0.2015* (0.1220)	0.0561 (0.0706)	0.1029** (0.0510)	0.0424 (0.0848)
Years Since Release	0.2012 (0.1450)	0.0333 (0.0804)	0.1202* (0.0624)	0.0477 (0.1029)
N	111,555	111,555	111,555	111,555
Kleibergen-Paap rk LM Stat	23.88	23.88	23.88	23.88
Kleibergen-Paap rk F Stat	2.42	2.42	2.42	2.42

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▶ Black

Incapacitation and Exposure Effects (Residence): Black Defendants

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.3524 (0.7135)	-0.0877 (0.4733)	-0.0878 (0.2250)	-0.1769 (0.4753)
Release × Exposure	0.1348 (0.2240)	0.0346 (0.1498)	0.0237 (0.0695)	0.0765 (0.1508)
Years Since Release	0.1099 (0.2467)	0.0254 (0.1633)	0.0261 (0.0781)	0.0585 (0.1641)
N	25,315	25,315	25,315	25,315
Kleibergen-Paap rk LM Stat	3.59	3.59	3.59	3.59
Kleibergen-Paap rk F Stat	0.36	0.36	0.36	0.36

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Incapacitation and Exposure Effects (Residence): Defendants < 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-1.00* (0.5833)	0.1585 (0.1995)	-0.4727* (0.2670)	-0.6887 (0.4458)
Release × Exposure	0.2898* (0.1733)	-0.0480 (0.0585)	0.1452* (0.0778)	0.1926 (0.1342)
Years Since Release	0.3488* (0.1997)	-0.0575 (0.0687)	0.1624* (0.0914)	0.2439 (0.1524)
N	69,710	69,710	69,710	69,710
Kleibergen-Paap rk LM Stat	14.93	14.93	14.93	14.93
Kleibergen-Paap rk F Stat	1.50	1.50	1.50	1.50

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▶ Old

Incapacitation and Exposure Effects (Residence): Defendants \geq 26 Years Old

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.8631 (1.02)	-0.4385 (0.4416)	-0.4966 (0.3481)	0.0721 (0.5725)
Release \times Exposure	0.2906 (0.2936)	0.1660 (0.1273)	0.1384 (0.0994)	-0.0139 (0.1640)
Years Since Release	0.3154 (0.3857)	0.1514 (0.1628)	0.1843 (0.1302)	-0.0203 (0.2145)
N	72,005	72,005	72,005	72,005
Kleibergen-Paap rk LM Stat	9.22	9.22	9.22	9.22
Kleibergen-Paap rk F Stat	0.93	0.93	0.93	0.93

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Incapacitation and Exposure Effects (Residence): Violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	0.8783 (2.40)	1.19 (2.16)	-1.38 (1.94)	1.07 (1.84)
Release × Exposure	-0.1219 (0.6427)	-0.1789 (0.5778)	0.3580 (0.4946)	-0.3010 (0.4802)
Years Since Release	-0.3728 (0.9139)	-0.4907 (0.8266)	0.5281 (0.7440)	-0.4102 (0.7047)
N	17,770	17,770	17,770	17,770
Kleibergen-Paap rk LM Stat	0.60	0.60	0.60	0.60
Kleibergen-Paap rk F Stat	0.06	0.06	0.06	0.06

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▶ Non-violent

Incapacitation and Exposure Effects (Residence): Non-Violent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.7585* (0.4346)	-0.2005 (0.2206)	-0.2961* (0.1642)	-0.2619 (0.2902)
Release × Exposure	0.2359* (0.1282)	0.0656 (0.0644)	0.0898* (0.0482)	0.0805 (0.0860)
Years Since Release	0.2752* (0.1558)	0.0690 (0.0777)	0.1064* (0.0584)	0.0998 (0.1032)
N	123,945	123,945	123,945	123,945
Kleibergen-Paap rk LM Stat	26.44	26.44	26.44	26.44
Kleibergen-Paap rk F Stat	2.68	2.68	2.68	2.68

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Incapacitation and Exposure Effects (Residence): Misdemeanors

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	0.3826 (0.3870)	-0.0128 (0.2414)	0.2182 (0.1534)	0.1772 (0.2614)
Release × Exposure	0.0939 (0.0842)	0.0737 (0.0719)	0.0067 (0.0224)	0.0135 (0.0231)
Years Since Release	-0.1701 (0.1755)	0.0026 (0.1092)	-0.1006 (0.0696)	-0.0721 (0.1181)
N	67,820	67,820	67,820	67,820
Kleibergen-Paap rk LM Stat	17.93	17.93	17.93	17.93
Kleibergen-Paap rk F Stat	1.75	1.75	1.75	1.75

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▶ Felonies

Incapacitation and Exposure Effects (Residence): Felonies

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.4643 (0.6502)	-0.0734 (0.2336)	-0.3448 (0.2675)	-0.0462 (0.4287)
Release × Exposure	0.1245 (0.1773)	0.0248 (0.0635)	0.0978 (0.0721)	0.0019 (0.1185)
Years Since Release	0.1599 (0.2108)	0.0234 (0.0752)	0.1128 (0.0862)	0.0237 (0.1380)
N	73,895	73,895	73,895	73,895
Kleibergen-Paap rk LM Stat	15.71	15.71	15.71	15.71
Kleibergen-Paap rk F Stat	1.61	1.61	1.61	1.61

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Incapacitation and Exposure Effects (Defendants): Property Unit Value Below Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-1.99 (1.40)	-0.5022 (0.3716)	-0.5968 (0.4687)	-0.8871 (0.7531)
Release × Exposure	0.5719 (0.4138)	0.1457 (0.1090)	0.1906 (0.1378)	0.2356 (0.2239)
Years Since Release	0.7150 (0.5010)	0.1779 (0.1316)	0.2128 (0.1671)	0.3243 (0.2691)
N	70,850	70,850	70,850	70,850
Kleibergen-Paap rk LM Stat	5.67	5.67	5.67	5.67
Kleibergen-Paap rk F Stat	0.57	0.57	0.57	0.57

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▶ Above Median

Incapacitation and Exposure Effects (Defendants): Property Unit Value Above Median (\$43,125)

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	-0.2475 (0.4239)	-0.0380 (0.2751)	-0.2749 (0.1679)	0.0654 (0.3153)
Release × Exposure	0.1263 (0.1319)	0.0495 (0.0924)	0.0692 (0.0489)	0.0076 (0.0922)
Years Since Release	0.0774 (0.1499)	0.0016 (0.0964)	0.0980 (0.0597)	-0.0222 (0.1123)
N	70,865	70,865	70,865	70,865
Kleibergen-Paap rk LM Stat	25.28	25.28	25.28	25.28
Kleibergen-Paap rk F Stat	2.56	2.56	2.56	2.56

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Incapacitation and Exposure Effects (Residence): Recent Offenders

	All Crimes (1)	Property Crimes (2)	Violent Crimes (3)	Other Crimes (4)
Prison Effects				
Release	0.4451 (0.8307)	-0.5568 (0.8992)	-0.2560 (0.3720)	1.26 (1.08)
Release × Exposure	-0.0746 (0.2827)	0.2355 (0.3053)	0.0998 (0.1221)	-0.4099 (0.3696)
Years Since Release	-0.1745 (0.3542)	0.2350 (0.3851)	0.1160 (0.1601)	-0.5255 (0.4637)
N	12,774	12,774	12,774	12,774
Kleibergen-Paap rk LM Stat	4.17	4.17	4.17	4.17
Kleibergen-Paap rk F Stat	0.41	0.41	0.41	0.41

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