

## Appendix 2 – Codebook for the NIJ Recidivism Forecasting Challenge

**Recidivism Forecasting Challenge Database - Fields Defined**

3/29/2021

| <u>Position</u>  | <u>Variable</u>                   | <u>Definition</u>  | <u>Format</u>              |
|--|-----------------------------------|--|----------------------------|
| 1  | ID                                | Unique Person ID   | Scale (1-26,761)           |
| <b>Supervision Case Information</b>  |                                   |  |                            |
| 2  | Gender                            | Gender (M=Male/F=Female)   | Alpha 1                    |
| 3  | Race                              | Race (Black or White)  | Alpha 5                    |
| 4  | Age_at_Release                    | Age Group at Time of Prison Release (18-22, 23-27, 28-32, 33-37, 38-42, 43-47, 48+)              | Scale (1-7)                |
| 5  | Residence_PUMA*                   | Residence US Census Bureau PUMA Group* at Prison Release   | Scale (1-25*)              |
| 6  | Gang_Affiliated                   | Verified by Investigation as Gang Affiliated   | Dichotomous (0=no/1=yes)   |
| 7  | Supervision_Risk_Score_First      | First Parole Supervision Risk Assessment Score (1-10, where 1=lowest risk)                       | Scale (1-10)               |
| 8  | Supervision_Level_First           | First Parole Supervision Level Assignment (Standard, High, Specialized)                          | Alpha 15                   |
| <b>Prison Case Information</b>   |                                   |  |                            |
| <i>Captured at prison admission with the exception of prison days, which is calculated as (prison release date - prison admit date).</i>   |                                   |  |                            |
| 9  | Education_Level                   | Education Grade Level at Prison Entry (<high school, High School diploma, at least some college) | Scale (1-3)                |
| 10   | Dependenents                      | # Dependents at Prison Entry (0, 1, 2, 3+)   | Scale (0-3, where 3=3+)    |
| 11   | Prison_Offense                    | Primary Prison Conviction Offense Group (Violent/Sex, Violent/Non-Sex, Property, Drug, Other)    | Alpha 15                   |
| 12   | Prison_Years                      | Years in Prison Prior to Parole Release (<1, 1-2, 2-3, 3+)                                       | Scale (0-3)                |
| <b>Prior Georgia Criminal History</b>  |                                   |  |                            |
| <i>Georgia Crime Information Center (GCIC) fingerprintable arrest and conviction history prior to prison entry. Arrest and conviction episodes may contain multiple charges.</i> |                                   |  |                            |
| 13   | Prior_Arrest_Episodes_Felony      | # Prior GCIC Arrests with Most Serious Charge=Felony   | Scale (0-10, where 10=10+) |
| 14   | Prior_Arrest_Episodes_Misdemeanor | # Prior GCIC Arrests with Most Serious Charge=Misdemeanor  | Scale (0-6, where 6=6+)    |

|    |   |  |                          |
|----|---|--|--------------------------|
| 15 | Prior_Arrest_Episodes_Violent                     | # Prior GCIC Arrests with Most Serious Charge=Violent              | Scale (0-3, where 3=3+)  |
| 16 | Prior_Arrest_Episodes_Property                    | # Prior GCIC Arrests with Most Serious Charge=Property             | Scale (0-5, where 5=5+)  |
| 17 | Prior_Arrest_Episodes_Drug                        | # Prior GCIC Arrests with Most Serious Charge=Drug                 | Scale (0-5, where 5=5+)  |
| 18 | Prior_Arrest_Episodes_PPViolationCharges          | # Prior GCIC Arrests with Probation/Parole Violation Charges       | Scale (0-5, where 5=5+)  |
| 19 | Prior_Arrest_Episodes_DomesticViolenceCharges     | Any Prior GCIC Arrests with Domestic Violence Charges              | Dichotomous (0=no/1=yes) |
| 20 | Prior_Arrest_Episodes_GunCharges                  | Any Prior GCIC Arrests with Gun Charges                            | Dichotomous (0=no/1=yes) |
| 21 | Prior_Conviction_Episodes_Felony                  | # Prior GCIC Felony Convictions with Most Serious Charge=Felony    | Scale (0-3, where 3=3+)  |
| 22 | Prior_Conviction_Episodes_Misdemeanor             | # Prior GCIC Convictions with Most Serious Charge=Misdemeanor      | Scale (0-4, where 4=4+)  |
| 23 | Prior_Conviction_Episodes_Violent                 | Any Prior GCIC Convictions with Most Serious Charge=Violent        | Dichotomous (0=no/1=yes) |
| 24 | Prior_Conviction_Episodes_Property                | # Prior GCIC Convictions with Most Serious Charge=Property         | Scale (0-3, where 3=3+)  |
| 25 | Prior_Conviction_Episodes_Drug                    | # Prior GCIC Convictions with Most Serious Charge=Drug             | Scale (0-2, where 2=2+)  |
| 26 | Prior_Conviction_Episodes_PPViolationCharges      | Any Prior GCIC Convictions with Probation/Parole Violation Charges | Dichotomous (0=no/1=yes) |
| 27 | Prior_Conviction_Episodes_DomesticViolenceCharges | Any Prior GCIC Convictions with Domestic Violence Charges          | Dichotomous (0=no/1=yes) |
| 28 | Prior_Conviction_Episodes_GunCharges              | Any Prior GCIC Convictions with Gun Charges                        | Dichotomous (0=no/1=yes) |

#### **Prior Georgia Community Supervision History**

*Georgia community supervision revocations prior to prison entry. A revocation is an unsuccessful termination of supervision. A parole revocation reflects a return to prison to serve the remaining sentence.*

|    |                             |                                 |                          |
|----|-----------------------------|---------------------------------|--------------------------|
| 29 | Prior_Revocations_Parole    | Any Prior Parole Revocations    | Dichotomous (0=no/1=yes) |
| 30 | Prior_Revocations_Probation | Any Prior Probation Revocations | Dichotomous (0=no/1=yes) |

#### **Georgia Board of Pardons and Paroles Conditions of Supervision**

*Discretionary parole release requires people to abide by conditions set by the Board; those affecting programming or notification are included here.*

|    |                  |   |                          |
|----|------------------|---|--------------------------|
| 31 | Condition_MH_SA  | Parole Release Condition = Mental Health or Substance Abuse Programming   | Dichotomous (0=no/1=yes) |
| 32 | Condition_Cog_Ed | Parole Release Condition = Cognitive Skills or Education Programming  | Dichotomous (0=no/1=yes) |
| 33 | Condition_Other  | Parole Release Condition = No Victim Contact or Electronic Monitoring or Restitution or Sex Offender Registration/Program | Dichotomous (0=no/1=yes) |

### Supervision Activities

*Includes violations, drug tests, delinquency reports for violating conditions, program attendances, residence changes, and employment during the parole supervision episode.*

|    |                                    |   |                            |
|----|------------------------------------|---|----------------------------|
| 34 | Violations_ElectronicMonitoring    | Any Violation for Electronic Monitoring                 | Dichotomous (0=no/1=yes)   |
| 35 | Violations_InstructionsNotFollowed | Any Violation for Not Following Instructions            | Dichotomous (0=no/1=yes)   |
| 36 | Violations_FailToReport            | Any Violation for Failure to Report                     | Dichotomous (0=no/1=yes)   |
| 37 | Violations_MoveWithoutPermission   | Any Violation for Moving Without Permission             | Dichotomous (0=no/1=yes)   |
| 38 | Delinquency_Reports                | # Parole Delinquency Reports                            | Scale (0-4, where 4=4+)    |
| 39 | Program_Attendances                | # Program Attendances                                   | Scale (0-10, where 10=10+) |
| 40 | Program_UnexcusedAbsences          | # Program Unexcused Absences                            | Scale (0-3, where 3=3+)    |
| 41 | Residence_Changes                  | # Residence Changes/Moves (new zip codes) During Parole | Scale (0-3, where 3=3+)    |
| 42 | Avg_Days_per_DrugTest              | Average Days on Parole Between Drug Tests               | Scale (.5 - 1,089)         |
| 43 | DrugTests_THC_Positive             | % Drug Tests Positive for THC/Marijuana                 | Scale (0-1, where 1=100%)  |
| 44 | DrugTests_Cocaine_Positive         | % Drug Tests Positive for Cocaine                       | Scale (0-1, where 1=100%)  |
| 45 | DrugTests_Meth_Positive            | % Drug Tests Positive for Methamphetamine               | Scale (0-1, where 1=100%)  |
| 46 | DrugTests_Other_Positive           | % Drug Tests Positive for Other Drug                    | Scale (0-1, where 1=100%)  |
| 47 | Percent_Days_Employed              | % Days Employed While on Parole                         | Scale (0-1, where 1=100%)  |
| 48 | Jobs_Per_Year                      | Jobs Per Year While on Parole                           | Scale (0-8)                |
| 49 | Employment_Exempt                  | Employment is Not Required (Exempted)                   | Dichotomous (0=no/1=yes)   |

### Recidivism Measures

*Recidivism is measured as a Georgia fingerprintable arrest recorded in GCIC for a new felony or misdemeanor crime within 3 years of parole supervision start date.*

|    |                          |   |                          |
|----|--------------------------|---|--------------------------|
| 50 | Recidivism_Within_3years | New Felony/Mis Crime Arrest within 3 Years of Supervision Start | Dichotomous (0=no/1=yes) |
| 51 | Recidivism_Arrest_Year1  | Recidivism Arrest Occurred in Year 1                            | Dichotomous (0=no/1=yes) |
| 52 | Recidivism_Arrest_Year2  | Recidivism Arrest Occurred in Year 2                            | Dichotomous (0=no/1=yes) |
| 53 | Recidivism_Arrest_Year3  | Recidivism Arrest Occurred in Year 3                            | Dichotomous (0=no/1=yes) |

