

# Covariate Verification: Crime

Exoneree Project

Alejandro Hernandez

2024-07-18

```
##          ID          Last.Name          First.Name          Race
## Min.      : 1.0    Length:2648    Length:2648    Black      : 27
## 1st Qu.: 869.8    Class :character    Class :character    White      :1416
## Median :1720.5    Mode  :character    Mode  :character    Hispanic   : 373
## Mean    :1736.1                                Native American: 21
## 3rd Qu.:2601.2                                Asian      : 19
## Max.    :3497.0                                Other      : 785
##                                                  NA's      : 7
##          Sex          State          County          Worst.Crime.Display
## Length:2648    Length:2648    Length:2648    Length:2648
## Class :character    Class :character    Class :character    Class :character
## Mode  :character    Mode  :character    Mode  :character    Mode  :character
##
##
##
##          Crime.Category    Sentence          F.MFE    FC          ILD
## Violent felony    :1751    Length:2648    0:2069    0:2328    0:1870
## Misdemeanor      : 736    Class :character    1: 579    1: 320    1: 778
## Nonviolent felony:148    Mode  :character
## Misconduct       : 13
##
##
##
## P.FA    DNA    MWID    OM    CV    IO    SA    CIU
## 0: 948    0:2343    0:2039    0:1115    0:2139    0:1901    0:2126    0:1986
## 1:1700    1: 305    1: 609    1:1533    1: 509    1: 747    1: 522    1: 662
##
##
##
##
## NC      P      H      JV      CDC      F      JI      M
## 0:1380    0:1857    0:1719    0:2403    0:2331    0:2391    0:2504    0:2536
## 1:1268    1: 791    1: 929    1: 245    1: 317    1: 257    1: 144    1: 112
##
##
##
##
## CSH      SBS      A      FED      PH      BM      Time.Incarcerated
```

```

## 0:2624 0:2617 0:2594 0:2531 0:2645 0:2627 Length:2648
## 1: 24 1: 31 1: 54 1: 117 1: 3 1: 21 Class :character
## Mode :character
##
##
##
##
## Months.Incarcerated Months.Convicted Years.Incarcerated Years.Convicted
## Min. :-11.00 Min. : 0.0 Min. :-1.000 Min. : 0.00
## 1st Qu.: 7.75 1st Qu.: 36.0 1st Qu.: 0.000 1st Qu.: 3.00
## Median : 42.00 Median : 85.0 Median : 3.000 Median : 7.00
## Mean : 81.93 Mean :115.6 Mean : 6.452 Mean : 9.19
## 3rd Qu.:133.00 3rd Qu.:183.0 3rd Qu.:11.000 3rd Qu.:15.00
## Max. :394.00 Max. :399.0 Max. :32.000 Max. :33.00
##
## Year.of.Crime Year.of.1st.Conviction Year.of.Release Year.of.Exoneration
## Min. :1989 Min. :1989 Min. :1989 Min. :1990
## 1st Qu.:1995 1st Qu.:1997 1st Qu.:2005 1st Qu.:2008
## Median :2002 Median :2004 Median :2011 Median :2015
## Mean :2002 Mean :2003 Mean :2010 Mean :2013
## 3rd Qu.:2008 3rd Qu.:2010 3rd Qu.:2016 3rd Qu.:2019
## Max. :2022 Max. :2022 Max. :2024 Max. :2024
##
## Age.at.Crime Age.at.Conviction Age.at.Release Age.at.Exoneration
## Min. :11.00 Min. :11.00 Min. :13 Min. :13.00
## 1st Qu.:20.00 1st Qu.:22.00 1st Qu.:28 1st Qu.:31.00
## Median :26.00 Median :28.00 Median :36 Median :39.00
## Mean :28.94 Mean :30.52 Mean :37 Mean :39.75
## 3rd Qu.:35.00 3rd Qu.:37.00 3rd Qu.:45 3rd Qu.:47.00
## Max. :83.00 Max. :84.00 Max. :84 Max. :84.00
## NA's :21 NA's :21 NA's :21 NA's :21
## Age.Group.at.Crime Age.Group.at.Conviction Age.Group.at.Release
## Adult : 546 Adult : 564 Adult :770
## Middle age : 414 Middle age : 496 Middle age :961
## Minor : 386 Minor : 200 Minor : 83
## Senior : 7 Senior : 12 Senior : 32
## Young adult:1274 Young adult:1355 Young adult:781
## NA's : 21 NA's : 21 NA's : 21
##
## Age.Group.at.Exoneration
## Adult : 818
## Middle age :1149
## Minor : 33
## Senior : 51
## Young adult: 576
## NA's : 21
##
## ID First.Name Last.Name Year.of.1st.Conviction Year.of.Release
## 1 1108 Anthony Gayles 2004 2003
## Months.Incarcerated
## 1 -11

```

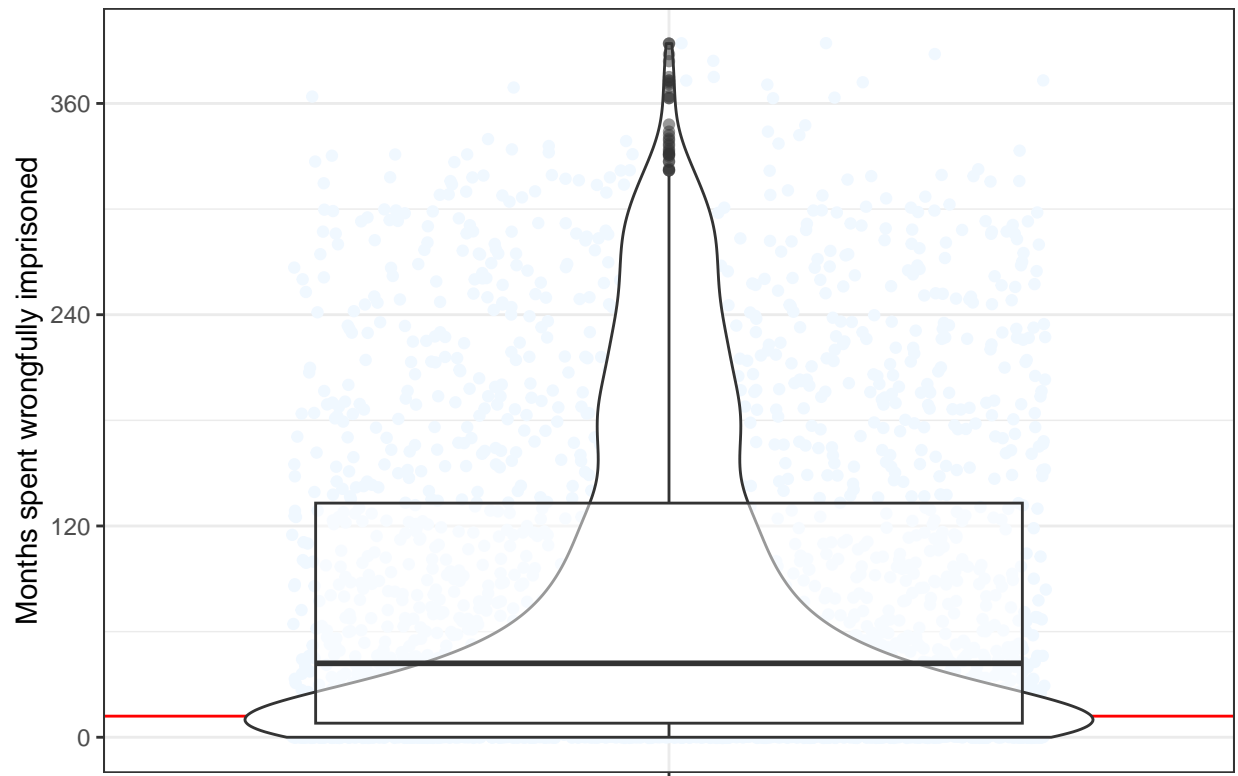
## Distribution Tables

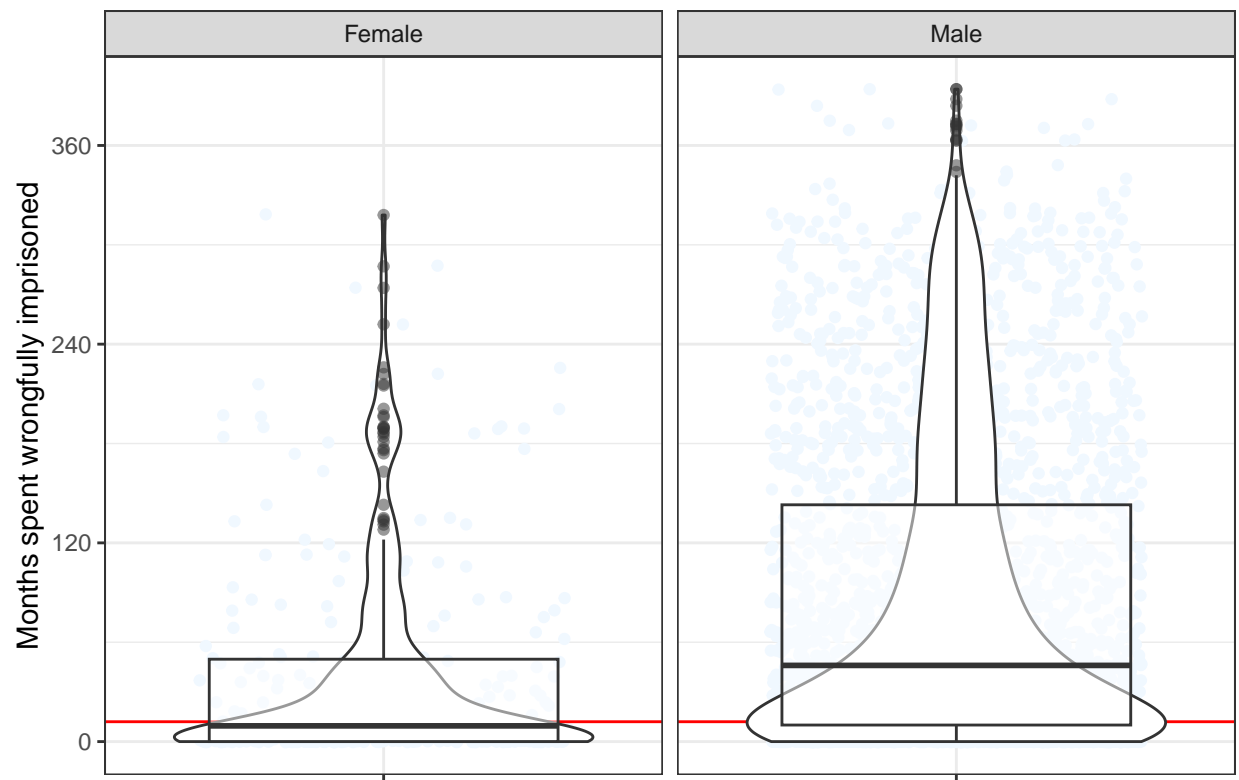
Create a tables of distributions across types of offense.

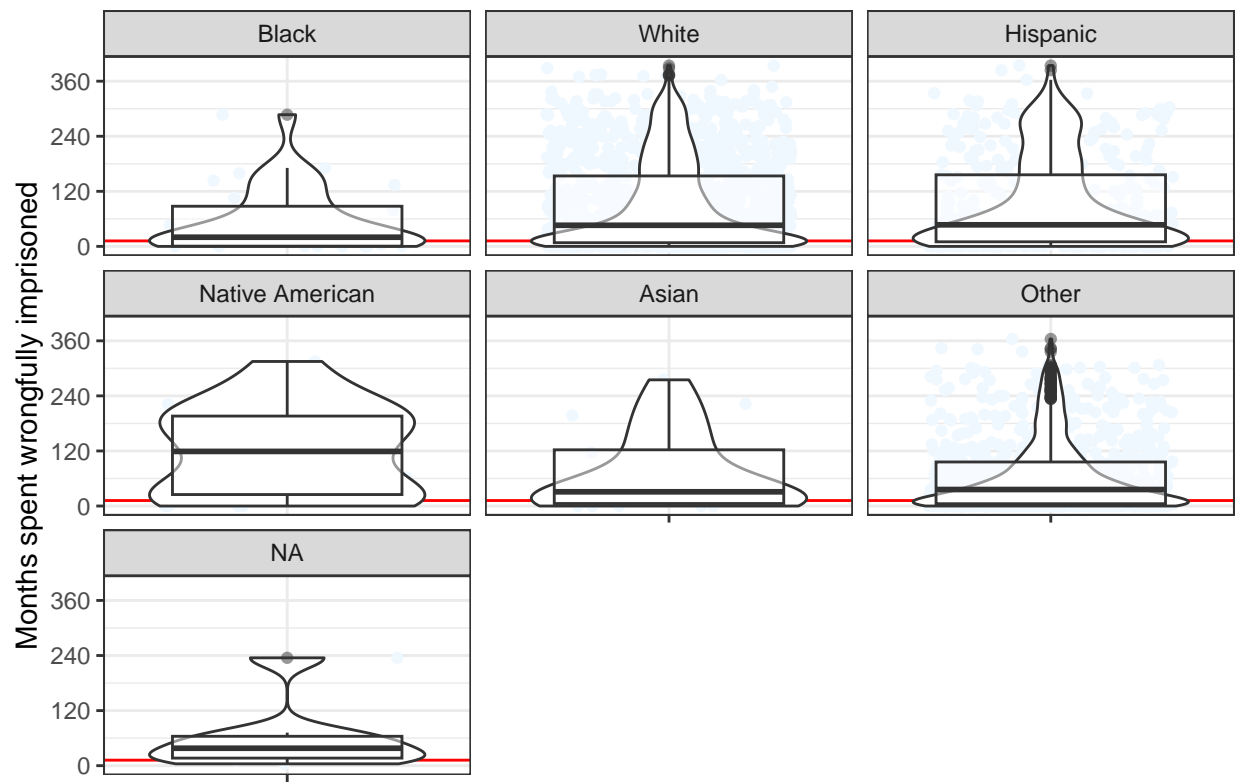
## Distribution Graphs

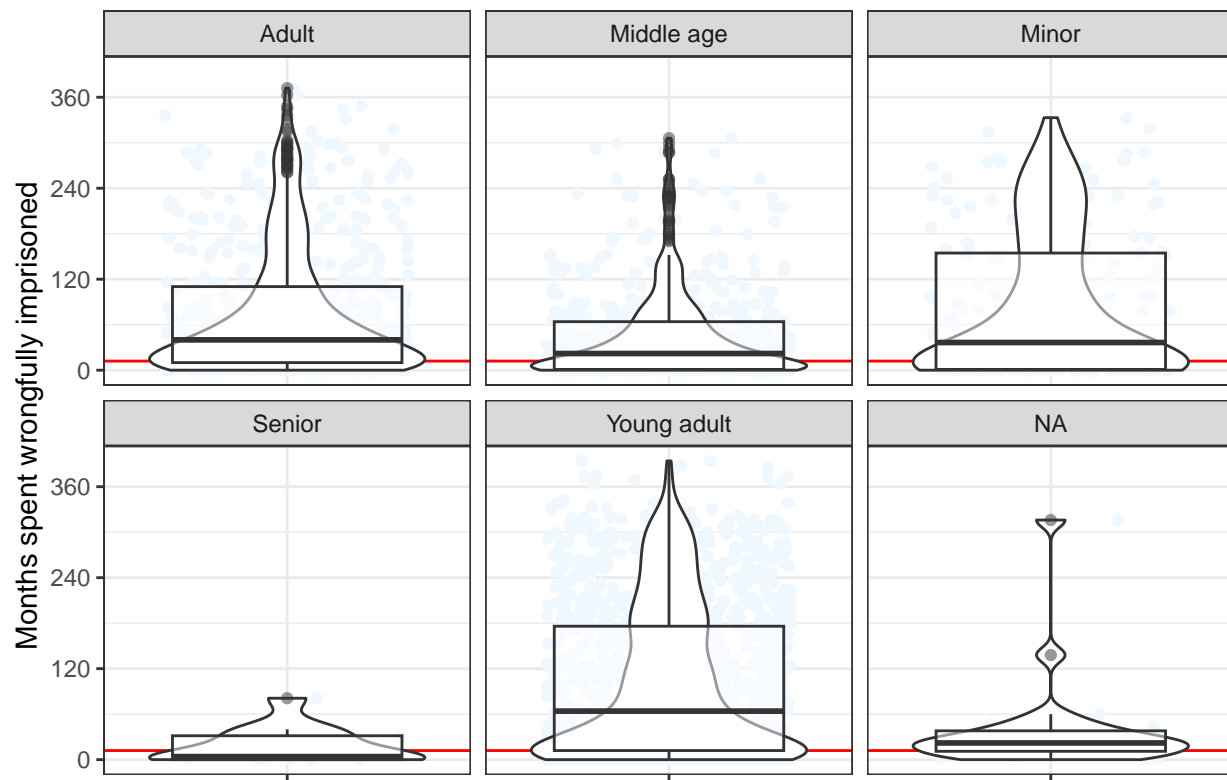
First, we want to verify that, when interested in time spent wrongly imprisoned, the categories of Sex, Race, and Age are distinct groups. As we do so, we will describe how the distribution of time spent wrongly imprisoned for one group compares to its counterpart(s).

Note that time is measured here in months.









End of document.