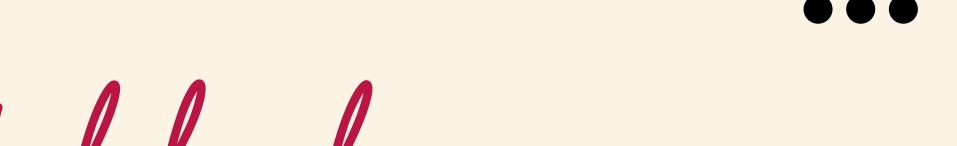
CITY NEWS CONSULTING



RECIDIVISM PV ACUTON MINOR

BY ASHTON MINOR

PRESENTER

Mow me to INTRODUCE MYSELF

ASHTON MINOR

Interests:

-Gardening

-Adventures

-Social Justice



INCARCERATION

The state of being confined in prison, or imprisonment.

WAR ON DRUGS

The war on drugs is a global campaign, led by the U.S. federal government aimed at reducing the illegal drug trade, beginning in 1971.

RECIDIVISM

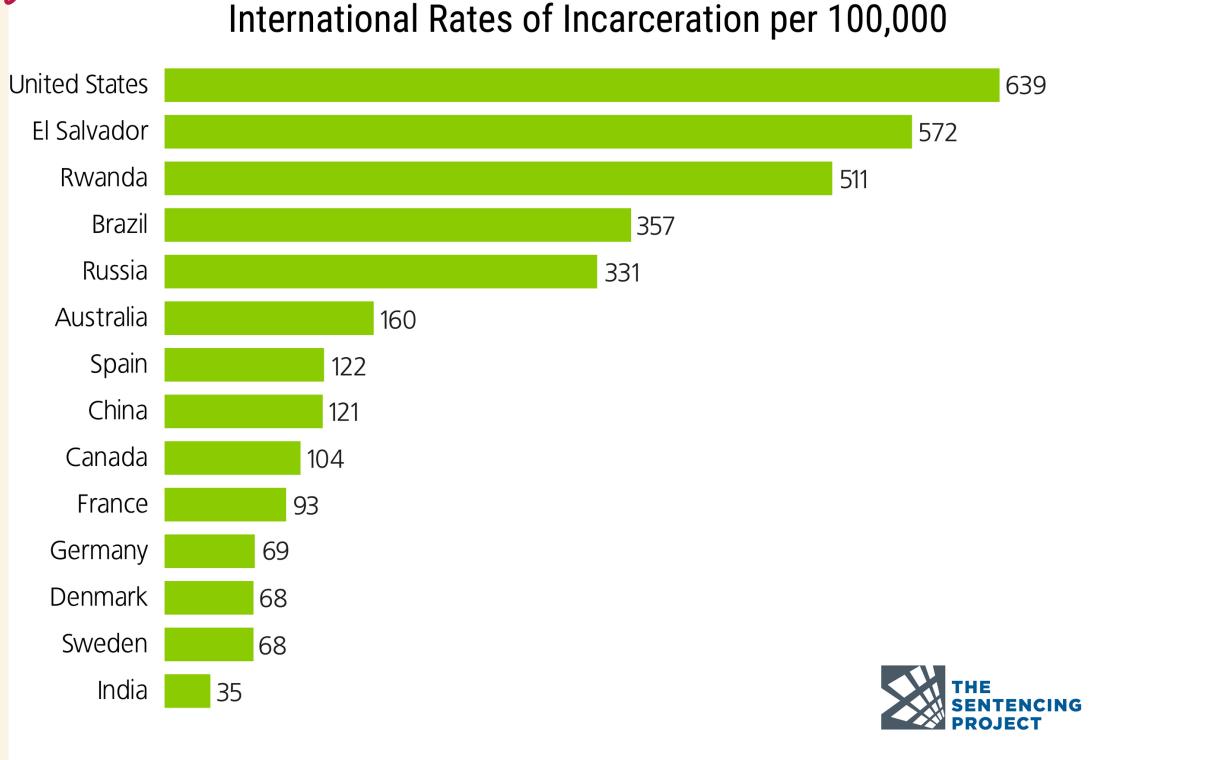
The percentage of former prisoners who are rearrested for a similar offense.

MANDATORY MINIMUM SENTENCING

Require automatic, minimum prison terms for certain crimes set by state legislature, not judges.

Incarceration rates

In a study completed by The Sentencing Project, the United States leads world incarceration rates.



https://www.sentencingproject.org/issues/incarceration/



INCARCERATION HAS INCREASED BY 500% IN THE LAST 40 YEARS

- War on drugs
- Disparity in sentencing
- Mandatory minimum sentences

THERE ARE CURRENTLY 2 MILLION PEOPLE IN JAIL OR PRISON IN THE UNITED STATES.

The population of the US is 332,915,073

https://www.sentencingproject.org/criminal-justice-facts/

Matare the chances?

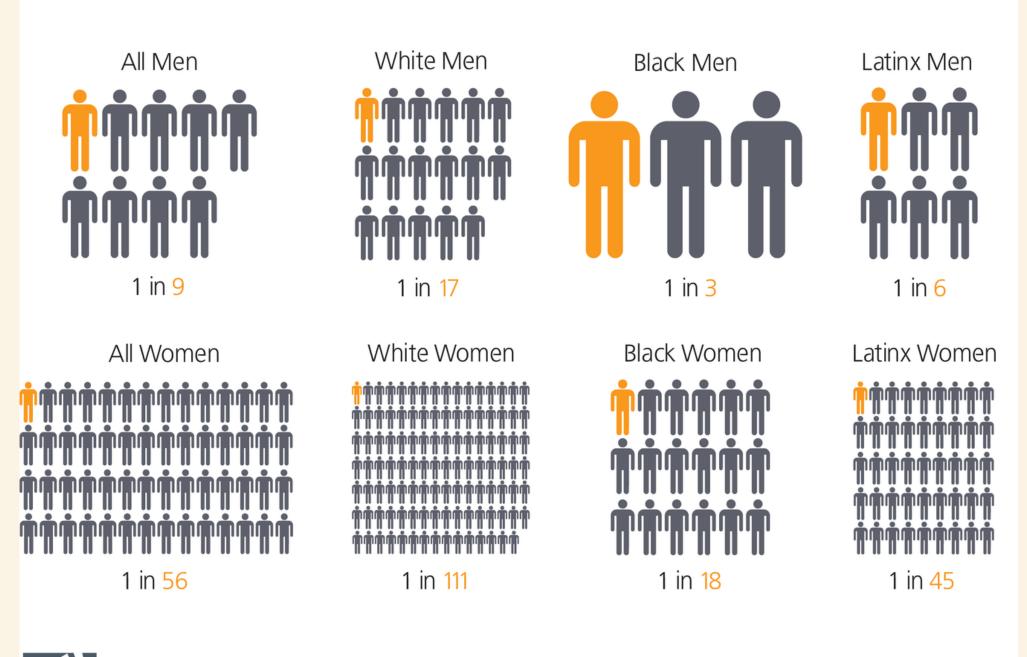
Men born in 2001: 1 in 9

Women born in 2001: 1 in 56

Black men born in 2001: 1 in 3

Black women born in 2001: 1 in 18

Lifetime Likelihood of Imprisonment of U.S. Residents Born in 2001

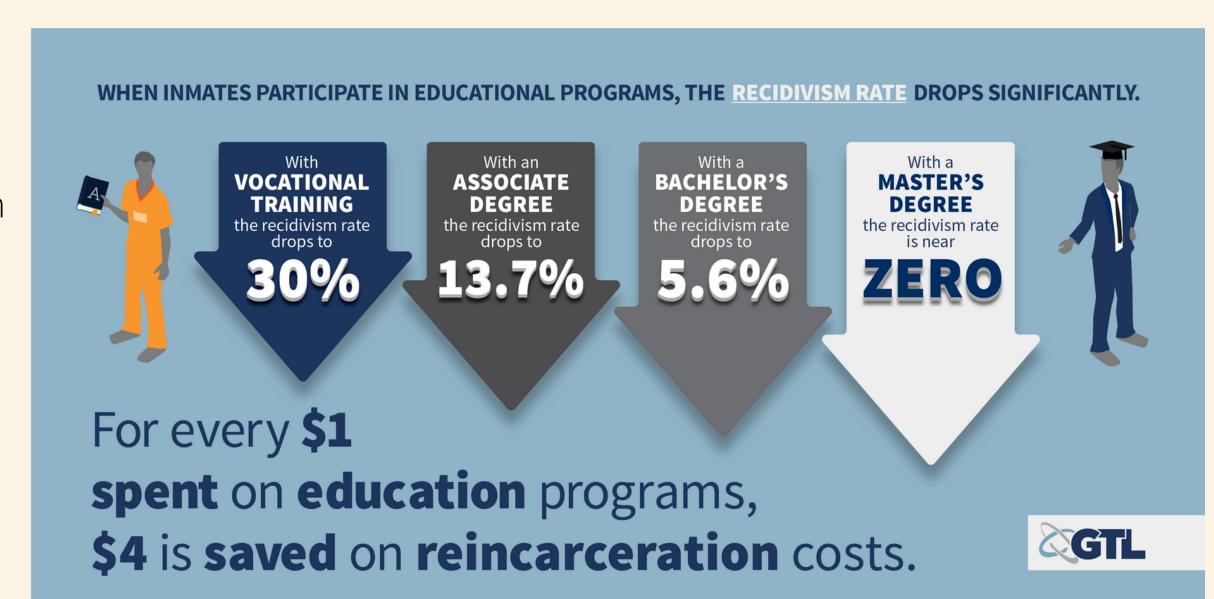




https://www.sentencingproject.org/criminal-justice-facts/

Inited Mations

- Recidivism is prevented when an offender desists from crime.
- Factors associated with desistance from crime:
 - Employment
 - Acquisition of skills
 - Significant life partnership



https://www.unodc.org/documents/justice-and-prison-reform/18-02303_ebook.pdf

BJS Bureau of Justice Statistics

- ABOUT 6 IN 10 (62%) PRISONERS RELEASED ACROSS 34 STATES IN 2012 WERE ARRESTED WITHIN 3 YEARS, AND 7 IN 10 (71%) WERE ARRESTED WITHIN 5 YEARS.
- NEARLY HALF (46%) OF PRISONERS RELEASED IN 2012 RETURNED TO PRISON WITHIN 5 YEARS FOR A PAROLE OR PROBATION VIOLATION OR A NEW SENTENCE.
- 11% PERCENT OF PRISONERS RELEASED IN 2012 WERE ARRESTED WITHIN 5 YEARS OUTSIDE OF THE STATE THAT RELEASED THEM.
- 81% OF PRISONERS AGE 24 OR YOUNGER AT RELEASE IN 2012 WERE ARRESTED WITHIN 5 YEARS OF RELEASE, COMPARED TO 74% OF THOSE AGES 25 TO 39 AND 61% OF THOSE AGE 40 OR OLDER.

Where did this come from?

- 1 THE SENTENCING PROJECT
- 2 BUREAU OF JUSTICE STATISTICS
- 3 NATIONAL CORRECTIONS REPORTING PROGRAM
- 4 KAGGLE RECIDIVISM
- US BUREAU OF LABOR STATISTICS

Data Mrangling in Dython

⋈ Ge	t Started	unemployme	ent.ipynb	recidivism.ipynb ×								\$ ▷ □ …
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+ Co	de + Ma	arkdown ⊳ Run A	II ≣ Clear Out	tputs of All Cells 5 Resta	art 🗆 Interrupt	│ Variables ∷≣	Outline				🗓 ba	ise (Python 3.9.7)
١.												
	df1 =	dfrecidivism.rena	me(columns = {	'Recidivism Reporting Y	ear' : 'Recidiv	ism_Year'})						
[24]	✓ 0.7s											Python
D ~		s = [2013, 2014, 2										
		df1[df1.Recidivis	m_Year.isin(va	ilues) == False]								
[25]	✓ 0.1s											Python
	displ	ay(df2)										
[26]	✓ 0.9s											Python
		Recidivism_Year	Fiscal Year Admitted	Convicting Offense Classification	Convicting Offense Type	Convicting Offens Subtyp		Sex	Level of Supervision	Recidivism - Prison Admission	Recidivism Type	Days to Recidivism
	32274	2015	2012	Aggravated Misdemeanor	Violent	Assau	t American Indian or Alaska Native - Hispanic	Male	Low Normal	No	No Recidivism	NaN
	32275	2015	2012	Simple Misdemeanor	Property	Thet	t American Indian or Alaska Native - Hispanic	Male	Low Risk Probation	No	No Recidivism	NaN
	32276	2015	2012	Aggravated Misdemeanor	Violent	Assau	t American Indian or Alaska Native - Hispanic	Male	Intensive	No	No Recidivism	NaN
	32277	2015	2012	Serious Misdemeanor	Violent	Assau	t American Indian or Alaska Native - Hispanic	Male	Intensive	No	No Recidivism	NaN
	32278	2015	2012	Aggravated Misdemeanor	Violent	Se	American Indian or Alaska Native - Hispanic	Male	Intensive	No	No Recidivism	NaN
	80442	2017	2014	Aggravated Misdemeanor	Violent	Assau	t White - Non-Hispanic	Male	Not Available for Supervision	No	No Recidivism	NaN
	80443	2017	2014	D Felony	Property	The	t White - Non-Hispanic	Male	Not Available for Supervision	No	No Recidivism	NaN
	80444	2017	2014	D Felony	Violent	Assau	t White - Non-Hispanic	Male	Not Available for Supervision	No	No Recidivism	NaN
	80445	2017	2014	C Felony	Violent	Se	White - Non-Hispanic	Male	Not Available for Supervision	No	No Recidivism	NaN
	80446	2017	2014	Serious Misdemeanor	Drug	Drug Possessio	n White - Non-Hispanic	Male	Not Available for Supervision	No	No Recidivism	NaN
	48173 row	s × 11 columns										

Data wrangling in Dython

```
Get Started unemployment.ipyi b recidivism.ipynb
Users > debfleming > Desktop > 📳 unemployment.ipynb > 🏺 empty cell
+ Code + Markdown | ▶ Run All ➡ Clear Outputs of All Cells 与 Restart □ Interrupt | ➡ Variables ➡ Outline ···
        import pandas as pd
       import numpy as np
       import seaborn as sns
        import matplotlib.pyplot as plt
 [1] \( \sigma 7.6s
       unemployment = pd.read_csv('/Users/debfleming/Desktop/unemployment.csv')
       unemployment.head()
[2] \( \square 0.1s \)
         Year Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
      0 2012 8.3 8.3 8.2 8.2 8.2 8.2 8.2 8.1 7.8 7.8 7.7 7.9
      1 2013 8.0 7.7 7.5 7.6 7.5 7.5 7.3 7.2 7.2 7.2 6.9 6.7
      2 2014 6.6 6.7 6.7 6.2 6.3 6.1 6.2 6.1 5.9 5.7 5.8 5.6
      3 2015 5.7 5.5 5.4 5.4 5.6 5.3 5.2 5.1 5.0 5.0 5.1 5.0
      4 2016 4.8 4.9 5.0 5.1 4.8 4.9 4.8 4.9 5.0 4.9 4.7 4.7
       dfunemployment = pd.DataFrame(unemployment)
       df1 = dfunemployment.drop(dfunemployment.index[[0, 1, 2, 6, 7, 8, 9, 10,]])
       print(df1)
 [4] \( \square 0.7s
      Year Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
    3 2015 5.7 5.5 5.4 5.4 5.6 5.3 5.2 5.1 5.0 5.0 5.1 5.0
    4 2016 4.8 4.9 5.0 5.1 4.8 4.9 4.8 4.9 5.0 4.9 4.7 4.7
    5 2017 4.7 4.6 4.4 4.4 4.4 4.3 4.3 4.4 4.3 4.2 4.2 4.1
       display(df1)
 [5] \( \square 0.9s \)
         Year Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
      3 2015 5.7 5.5 5.4 5.4 5.6 5.3 5.2 5.1 5.0 5.0 5.1 5.0
```

```
final_project.R × df_recidivism4 × df_recidivism3 ×
                                                   df_combined2 ×
                                                                                     install.packages("ggplot2")
     install.packages("dplyr")
     install.packages("tidyverse")
     install.packages("tidyr")
     install.packages("lattice")
     install.packages("gmodels")
     install.packages("rcompanion")
     install.packages("corrplot")
     install.packages("PerformanceAnalytics")
 10
     library(ggplot2)
 11
     library(dplyr)
 12
     library(tidyverse)
     library(tidyr)
 14
     library(lattice)
 15
     library(gmodels)
 16
     library(rcompanion)
 17
     library(corrplot)
 18
     library(PerformanceAnalytics)
 19
 20
 21
     rv < c(5.7, 5.5, 5.4, 5.4, 5.6, 5.3, 5.2, 5.1, 5.0, 5.0, 5.1, 5.0)
 22
     mean(rv)
 23
     rv1 \leftarrow c(4.8, 4.9, 5.0, 5.1, 4.8, 4.9, 4.8, 4.9, 5.0, 4.9, 4.7, 4.7)
 24
 25
     mean(rv1)
 26
     rv2 \leftarrow c(4.7, 4.6, 4.4, 4.4, 4.4, 4.3, 4.3, 4.4, 4.3, 4.2, 4.2, 4.1)
 27
 28
     mean(rv2)
 29
     ##calculate average unemployment by year
 30
     df_unemployment = as.data.frame.matrix(unemployment)
 31
 32
     ##Turn unemployment data into data frame
 33
```

```
df_recidivism3 ×
                                                      df_combined2 ×
final_project.R ×
                df_recidivism4 ×

    □□ | □ Source on Save | □ ▼ ▼ □ □
                                                                                     34 Avg < c(5.275, 4.875, 4.358)
 35 df_unemployment$Avg <- Avg
    ##Add unemployment average by year to dataframe
 37
     str(df_unemployment)
     ##Examining data
 40
     str(df_recidivism4)
     ##Examining data
 43
     df_combined = data.frame(df_unemployment$Year, df_unemployment$Avq)
     ##Dataframe for consolidated unemployment and recidivism data
 46
     df_recidivism = as.data.frame.matrix(recidisivm)
     ##Turn recidivism data into data frame
 49
     na.omit(df_recidivism)
     ##Remove NA
 52
     df_recidivism1 <- rename(df_recidivism, c(year_admitted = Fiscal.Year.Admitted, conviction_classification = Convicti
     ##Renaming columns
 55
     df_recidivism2 = data.frame(df_recidivism1$Recidivism_Year, df_recidivism1$conviction_subtype, df_recidivism1$race,
     ##Create new data frame for specific variables
 58
     df_recidivism3 <- rename(df_recidivism2, c(Year = df_recidivism1.Recidivism_Year, Conviction_Subtype = df_recidivism
     ##Rename columns
     df_combined1 <- rename(df_combined, c(Year = df_unemployment.Year, Average_Unemployment_Rate = df_unemployment.Avg))</pre>
 62
     df_recidivism3$Prison_Admission <- ifelse(df_recidivism3$Prison_Admission =="Yes", 1,0)
     df_recidivism3
    ##Recoded data
 66
     df recidivism4 <- df recidivism3√df recidivism3$Prison Admission !=0.7
```

Recidivism	by	level	of	Supervision
------------	----	-------	----	-------------

				7 6000		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\) 1-0	0 1		00 - 0	0 -	
Min. Recidi							Level of Su	pervision				
2015	of Fiscal Year Ac	014										
	ear 2	012	•	•	•	•	•	•	•	•	•	•
	ar Admit)	014										
2016	f Fiscal Ye	013	•	•	•	•	•	•	•	•	•	•
	ear o	012										
	ar AdmitY	014	•	•	•	•	•	•			•	
2017	Year of Fiscal Year Admit.	013										
	6ar o	012										
			Null	Administrat	High Normal	Intensive	Low Normal	Low Risk Probation	Minimum	Minimum Risk Prog	None	Not Available f

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													C	onv	icti	ng C	ffe	nse	Sub	typ	е											
Year of Fiscal Year A	2015	12	12	12	12	12	12	12	12	12	12	12	12	12		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Yea		20	20	20	201	20	20	20	20	20	20	20	20	20		201	201	20	20	20	20	201	201	20	20	20	20	20	20	20	201	201
cal Year A	2015	13	13	13	13	13		13	13	13	13	13	13	13	13	13	13	13	13	13	013	013	13	13	13	13		13	13	13	13	13
Year of Fiscal Year A.	2013	20:	201	201	201	201		201	201	201	201	201	201	201	201	201	201	201	201	201	500	50.	2013	201	201	50.		201	201	201	201	201
cal Year A	2015	2014	2014	2014	2014	2014		2014	2014	2014		2014	2014	2014		2014	2014		2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014
Year of Fiscal Year A.	2013																															
		Alcohol	Animals	Arson	Assault	Burglary	Business	rug Possession	Flight/Escape	Forgery/Fraud	Gambling	Health/Medical	Kidnap	urder/Mansla	atural Resour	Other Criminal	Other Drug	ther Governm	Other Property	ther Public Or	Other Violent	IMO	rostitution/Pi	Robbery	Sex	tolen Property	Tax Laws	Theft	Traffic	Trafficking	Vandalism	Weapons

Race - Ethnicity	Measure Names	Recidivism - Prison Admission	Count of Recidivism - Prison Admission
White – Non–Hispanic	Count of Recidivism - Prison Admission	Yes	3,872
White – Hispanic	Count of Recidivism - Prison Admission	Yes	295
Black – Non-Hispanic	Count of Recidivism - Prison Admission	Yes	1,144
Black – Hispanic	Count of Recidivism - Prison Admission	Yes	13
Asian or Pacific Islander – Non-Hispanic	Count of Recidivism - Prison Admission	Yes	39
Asian or Pacific Islander – Hispanic	Count of Recidivism - Prison Admission	Yes	2
American Indian or Alaska Native - Non-Hispanic	Count of Recidivism - Prison Admission	Yes	109
American Indian or Alaska Native – Hispanic	Count of Recidivism - Prison Admission	Yes	
White – Non–Hispanic	Count of Recidivism - Prison Admission	No	33,506
White – Hispanic	Count of Recidivism - Prison Admission	No	2,512
Unknown – Non-Hispanic	Count of Recidivism - Prison Admission	No	249
Unknown	Count of Recidivism - Prison Admission	No	160
Black – Non-Hispanic	Count of Recidivism - Prison Admission	No	5,135
Black – Hispanic	Count of Recidivism - Prison Admission	No	55
Asian or Pacific Islander – Non-Hispanic	Count of Recidivism - Prison Admission	No	622
Asian or Pacific Islander – Hispanic	Count of Recidivism - Prison Admission	No	5
American Indian or Alaska Native - Non-Hispanic	Count of Recidivism - Prison Admission	No	432
American Indian or Alaska Native – Hispanic	Count of Recidivism - Prison Admission	No	14

Add a little bit of body text

Summary

Full Data

18 rows

WHITE: 3872 OUT OF 37,378

BLACK: 1144 OUT OF 6,279

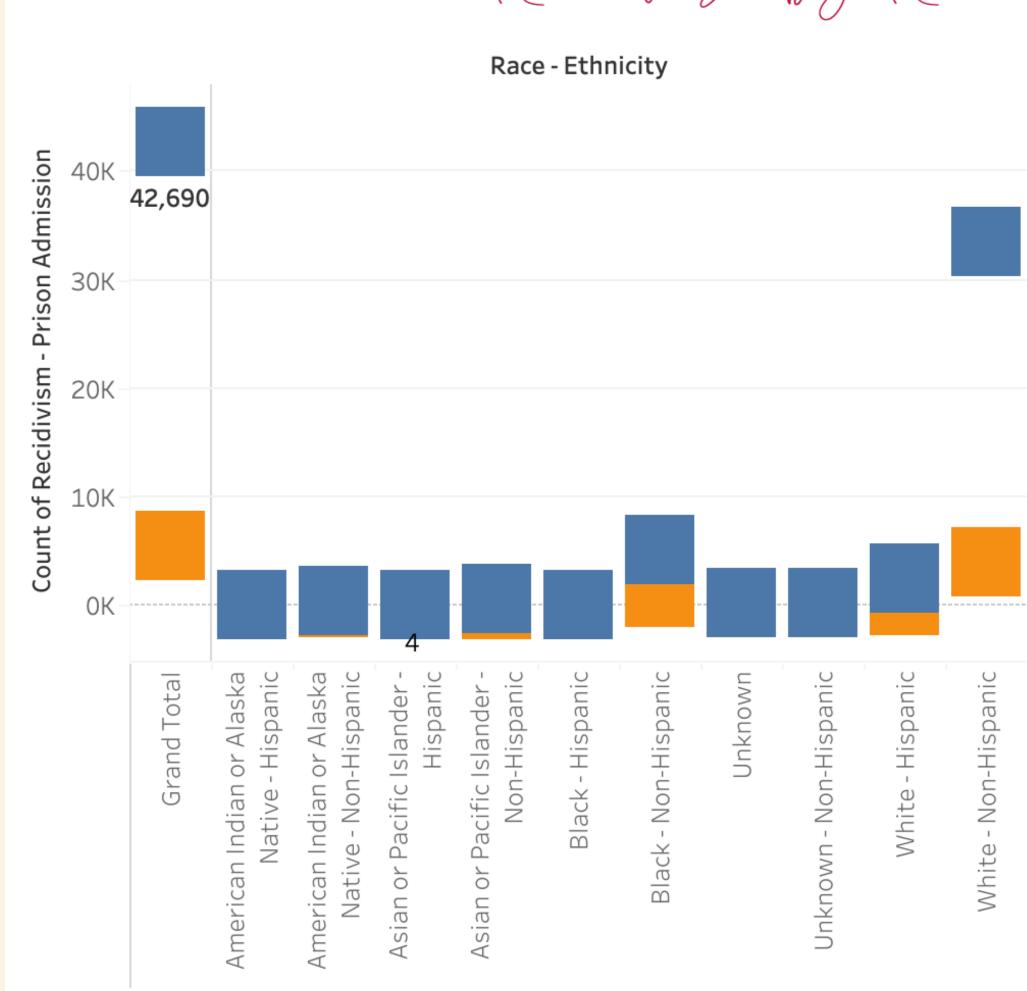
HISPANIC: 319 OUT OF 2,905

WHITE: 10%

BLACK: 18%

HISPANIC: 11%

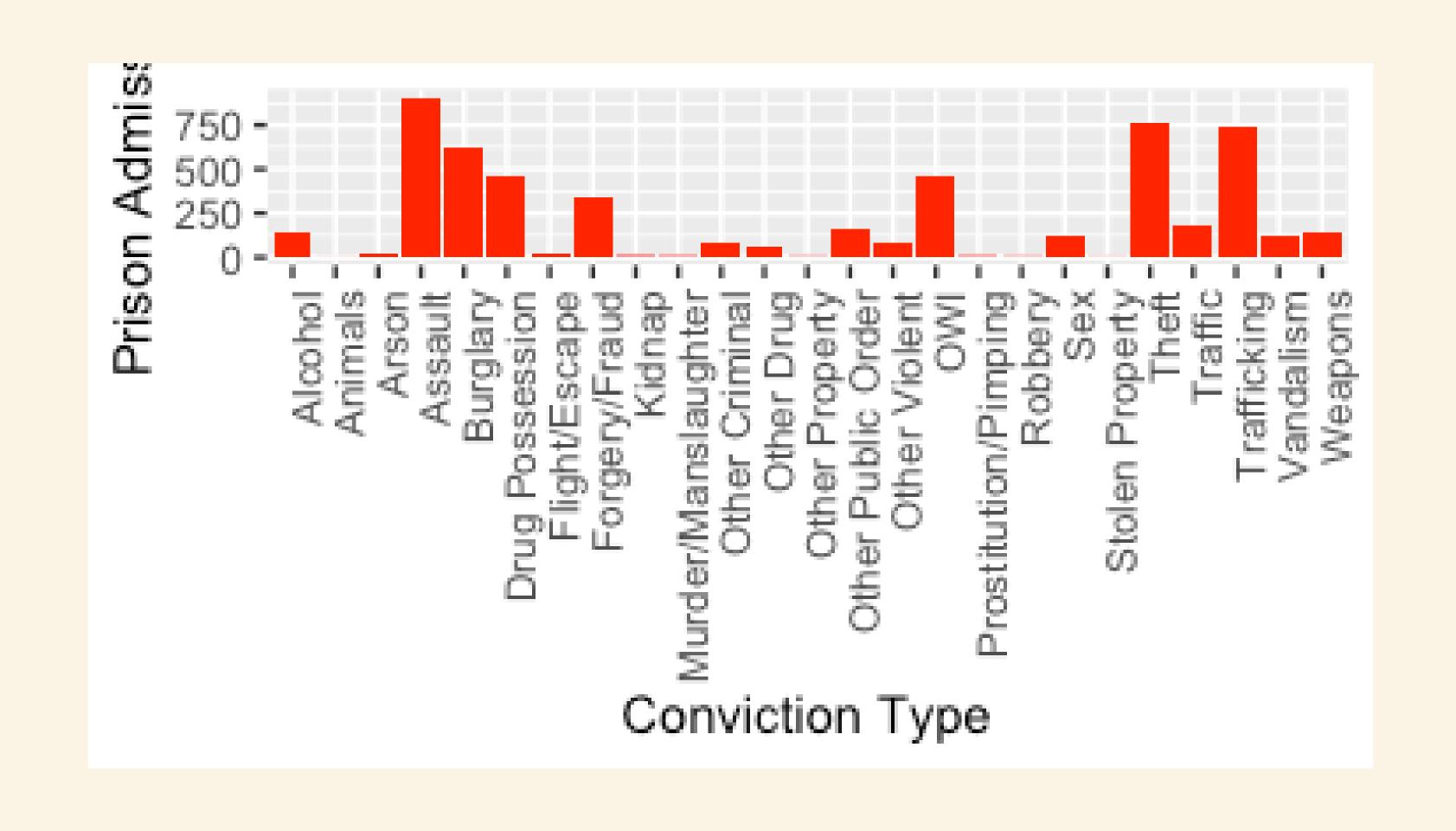
Recidivism by Race



Recidivism - Prison Ad...

IN O

Yes



In a Mut Shell...

Age

Education

Opportunity

Criminal Justice Reform How can we make a change?

- ELIMINATING MANDATORY MINIMUM SENTENCES AND CUTTING BACK ON EXCESSIVELY LENGTHY SENTENCES; FOR EXAMPLE, BY IMPOSING A 20-YEAR MAXIMUM ON PRISON TERMS.
- SHIFTING RESOURCES TO COMMUNITY-BASED PREVENTION AND TREATMENT FOR SUBSTANCE ABUSE.
- INVESTING IN INTERVENTIONS TO THAT PROMOTE STRONG YOUTH DEVELOPMENT AND RESPOND TO DELINQUENCY IN AGE-APPROPRIATE AND EVIDENCE-BASED WAYS
- EXAMINING AND ADDRESSING THE POLICIES AND PRACTICES, CONSCIOUS OR NOT, THAT CONTRIBUTE TO RACIAL INEQUITY AT EVERY STAGE OF THE JUSTICE SYSTEM
- REMOVING BARRIERS THAT MAKE IT HARDER FOR INDIVIDUALS WITH CRIMINAL RECORDS TO TURN THEIR LIVES AROUND.

Questions?

THANK YOU