

# My Paper on NLSY97 Data

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## 1 Data Introduction

This data shows the number of incarcerated people in the United States in 2002. I sorted out the data according to gender and race in order to better present figure and tables.

## 2 Figure

Figure 1 exhibits that the mean number of incarcerations in 2002 by Race and Gender. We can learn from the graph that the number of women incarcerated is much lower than that of men, except for the lack of data on mixed races. At the same time, black men are incarcerated at a much higher rate than other races.

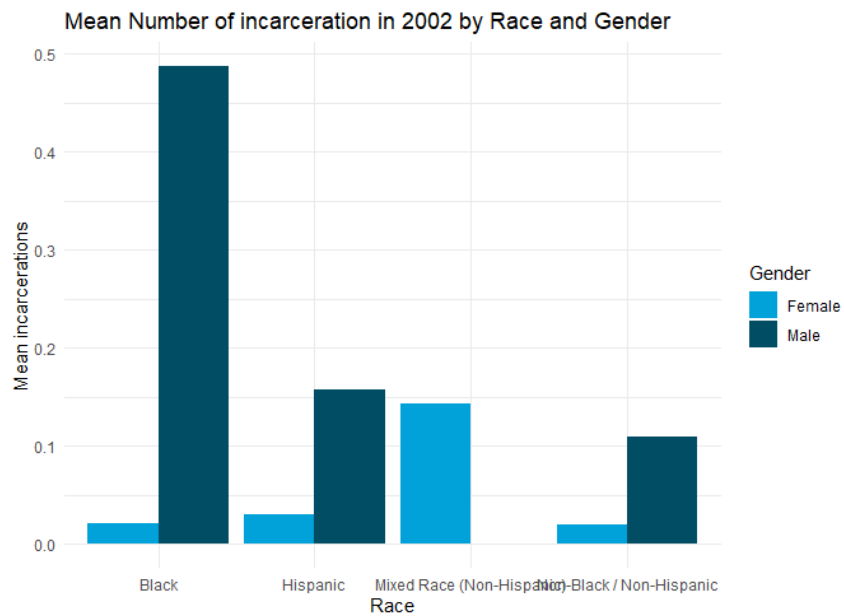


Figure 1: Mean Number of incarcerations in 2002 by Race and Gender

### 3 Tables

The information shows from Table 1 is similar with Figure 1. It exhibits the exact number. It exhibits specific numbers that give us a more precise understanding of the differences between races.

Table 1: Mean incarcerations in 2002 by Race and Gender

Gender	Black	Hispanic	Mixed Race Non Hispanic	Non Black Non Hispanic
Female	0.0211268	0.0298013	0.1428571	0.0193192
Male	0.4876712	0.1579509	0.0000000	0.1099476

Table 2 from the regression model. It shows the relationship between the Black Female and the other variables. Except for black men, the correlation of others is negative. However, the R square of this model is too small, which indicates that independent variable is not explaining much in the variation of dependent variables

Table 2: Regression Output. Omitted category is Black Females.

	<i>Dependent variable:</i> incarcerations in 2002
Hispanic	−0.159*** (0.038)
Mixed Race (Non-Hispanic)	−0.174** (0.083)
Non-Black / Non-Hispanic	−0.189*** (0.035)
Male	0.194*** (0.022)
Constant	0.155*** (0.026)
Observations	8,621
R <sup>2</sup>	0.015
Adjusted R <sup>2</sup>	0.014
Residual Std. Error	1.019 (df = 8616)
F Statistic	32.033*** (df = 4; 8616)
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01