

# Hidden Curriculum Assignment

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## 1 The First Section

This is where I talk about basic L<sup>A</sup>T<sub>E</sub>X. Using the `parskip` package, I can create a new paragraph by using line breaks, which I will do now.

I can also make cool equations inline by using parentheses—like this:  $x + 2$ —or by using single dollar signs—like this:  $x + 2$ . Parentheses are preferred because the left and right delimiter are distinct.

I can make cool equations in a block style by using the `equation` environment like so:

$$y = x\beta + \varepsilon$$

or by using double dollar signs:

$$y = x\beta + \varepsilon$$

Again, the `equation` environment is preferred because the begin and end delimiters are different.

I can also add a bibliography, but this is beyond the scope of our discussion right now. Overleaf has plenty of resources for this on their [website](#). Another good place to look for LaTeX help is the [WikiBook](#) on it.

## 2 The Second Section

Wherein we do tables and graphs. To include the graph we made in ggplot, we create the `figure` environment. The ‘H’ option tells LaTeX to ‘hold’ the position of the figure instead of positioning it somewhere else. I use the `caption` command to add a caption—although I also put a title on the plot in ggplot so you would typically choose one or the other. I use the `label` command after the caption to add a label. Then in my paper I can use the `ref` command and LaTeX knows I am referring to Figure 1.

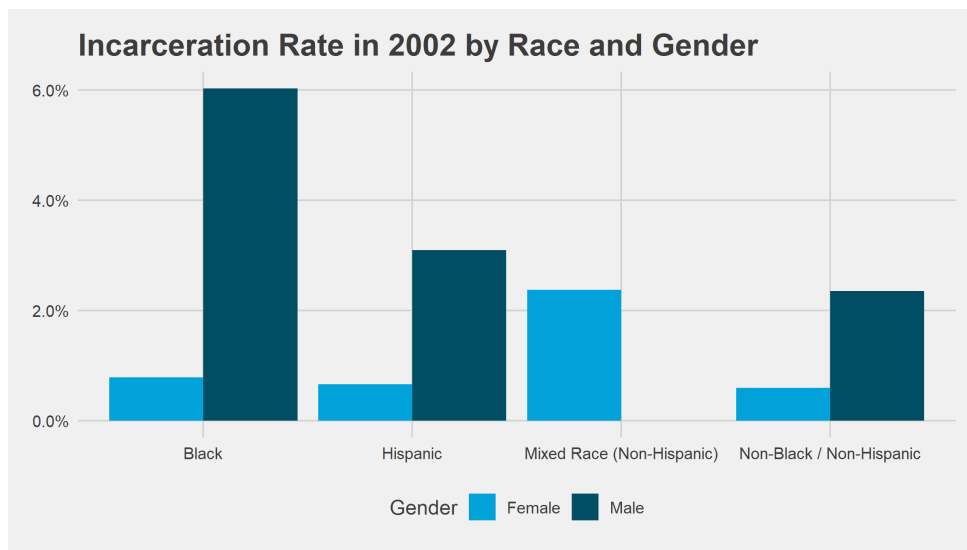


Figure 1: Mean Number of Arrests in 2002 by Race and Gender (this is the LaTeX caption, not the ggplot title)

Tables are somewhat easier, since `kableExtra` and `stargazer` generate LaTeX code that is ready to just “copy-paste” into our document. The `label` argument in the R code is the label that the table will have in the tex output, if you want to `ref` it.

Table 1: Incarceration Rate in 2002 by Race and Gender

| Gender | Black     | Hispanic  | Mixed Race Non Hispanic | Non Black Non Hispanic |
|--------|-----------|-----------|-------------------------|------------------------|
| Female | 0.0079225 | 0.0066225 | 0.0238095               | 0.0059798              |
| Male   | 0.0602740 | 0.0309498 | 0.0000000               | 0.0235602              |

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

|                           | <i>Dependent variable:</i>  |
|---------------------------|-----------------------------|
|                           | Incarcerations in 2002      |
| Hispanic                  | −0.015***<br>(0.005)        |
| Mixed Race (Non-Hispanic) | −0.021<br>(0.013)           |
| Non-Black / Non-Hispanic  | −0.019***<br>(0.004)        |
| Male                      | 0.028***<br>(0.003)         |
| Constant                  | 0.020***<br>(0.003)         |
| Observations              | 8,621                       |
| R <sup>2</sup>            | 0.012                       |
| Adjusted R <sup>2</sup>   | 0.012                       |
| Residual Std. Error       | 0.141 (df = 8616)           |
| F Statistic               | 27.193*** (df = 4; 8616)    |
| <i>Note:</i>              | *p<0.1; **p<0.05; ***p<0.01 |