SOC 4930/5050: Week 11 LaTeX Commands

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Packages

- xcolor

Formula Construction

Math Mode

`$ a = b+2 $`

Summation Notation

`\sum_{i = val}^{n}`

Bar Over Letter

`\bar{letter}`

Subscript

`{mainText}_{subScript}`

Superscript

`{mainText}^{superScript}`

Fraction

`\frac{numerator}{denominator}`

Square Root

`\sqrt{value}`

Greek Letters

mu (μ)

`\mu`

sigma (σ)

`\sigma`

Numbered Equations

```
\begin{equation}
% insert equation here
\end{equation}
```

Bespoke Tables

Left-justified Table Cells

`\begin{tabular}{lll}`[1]

[1] Use c for centered text and r for right-justified text. Include a letter for each column.

Centering a Single Cell

`\multicolumn{1}{c}{text}`[2]

[2] The 1 indicates that these changes should span a single cell, and c stands for center. This same command can be used to create header cells of varying widths if you want to further customize tables.

"Invisible" Negative Sign

`{\color{color} $-$}value`

Superscript Asterisks

`$ value^{\ast} $`