Basic LaTeX – Surviving HW1

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Text

Here's some nonsense text: $\theta\theta\theta$

Lorem ipsum tristique interdum senectus aptent lacinia mollis habitasse felis, sodales risus pellentesque sodales metus tincidunt non integer, quisque etiam facilisis feugiat pellentesque gravida diam netus phasellus dui potenti curabitur eget posuere aenean augue arcu amet.

Donec magna dictum vestibulum magna non fames faucibus, nisl morbi nostra integer consectetur phasellus nam tempus, aenean lectus aliquam facilisis duis potenti faucibus suscipit et nullam.

Arcu gravida luctus donec mauris massa ante vel posuere aliquam vulputate facilisis, ac ultricies aenean praesent phasellus et rutrum commodo odio congue ut porttitor inceptos condimentum ultricies varius orci, ac arcu nisl posuere auctor facilisis proin sollicitudin, primis egestas feugiat vulputate blandit sapien praesent torquent arcu eu felis accumsan nunc pellentesque ante purus ligula.

Habitant vitae vestibulum per blandit ut ipsum elementum in taciti, dictumst condimentum integer aliquam interdum leo conubia sit et, etiam habitasse etiam ultricies maecenas purus euismod tempus augue pellentesque eleifend rhoncus pharetra adipiscing pellentesque dolor odio tincidunt, eros volutpat varius praesent vehicula feugiat convallis nibh, pretium tempor accumsan suspendisse cursus hendrerit mollis hendrerit ultrices lorem primis quisque eu aliquet id elementum pharetra.

Or you can put a comment right over $\rightarrow$ $\leftarrow$ but nobody will see it.

Subsection A

Above is one way to start a subsection

A: Here's another less correct way of denoting a section, but good enough for HW.

1 math

I'm gunna talk about the variables I'm using here. Lets say I'm working with X and Y, and I'm assuming $Y = 32$. Or maybe $Y = \pi$. Which X are we talking about? X_i? What about X_i^b. This is handy for sums: $\sum_{i=1}^{I} i$

Lets do some more mathy stuff

Uglier

$$
\begin{aligned}
2 + X/2 &= 4 \\
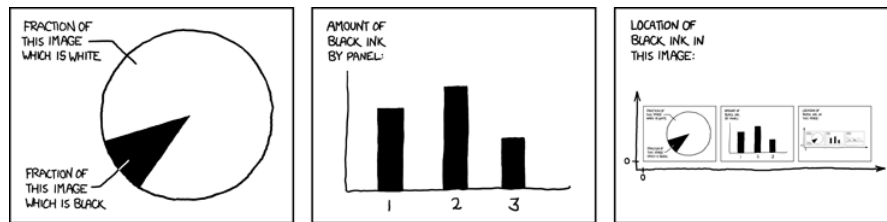X/2 &= 2 \\
X &= 2 * 2 \\
X &= 4
\end{aligned}
\tag{1}
$$

Complex EX:

$$
\begin{aligned}
2 + X/2 &= 4 \\
\frac{X}{2} &= 2 \\
X &= 2 \times 2 \\
X &= 4
\end{aligned}
$$

$$
P(\tau) \propto_\theta \left[\frac{\frac{\sum X_i}{\Sigma_0^2} + \frac{\mu_0}{\delta_0}^2}{342^2 + \frac{1}{X_0^2}} \right)^2
\tag{2}
$$

Figures

lets add a figure

2 Tables

Here's a table (This is adapted from a table generated from the R package xtable)

	Lost	Glee	simpsons
Trait1	273	268	269
Trait2-category			
trait2.1	169	168	169
trait2.2	104	100	100