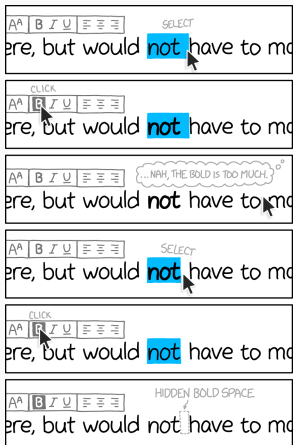


Something to consider...



WHEN EDITING TEXT, IN THE BACK OF MY MIND I ALWAYS WORRY THAT I'M ADDING INVISIBLE FORMATTING THAT WILL SOMEHOW CAUSE A PROBLEM IN THE DISTANT FUTURE.

<https://xkcd.com/2109/>

An Introduction to \LaTeX

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What is \LaTeX ?

What is L^AT_EX

It is **not** a “what you see is what you get” editor (WYSIWYG)

```
\begin{equation}
  x = \frac{ - b \pm \sqrt{b^2 - 4 a c}}{2a}
\end{equation}
```

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad (1)$$

```
\begin{equation}
\int_0^a x^n dx = \frac{1}{n+1} \backslash
, a^{n+1} \quad n \geq 0
\end{equation}
```

$$\int_0^a x^n dx = \frac{1}{n+1} a^{n+1} \quad n \geq 0 \quad (2)$$

The Why

1. Almost all journals, especially in Math, CS, and Physics either prefer or mandate \LaTeX as the document submission format

Formatting of Equations

Faster Equation Creation (maybe after some initial costs)

