# Hello LaTeX

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### February 8, 2019

# Contents

Hello World!

*Hello there! I am an italic font*
**I am a bold one**
<u>I am an underlined font</u>
*I use emph for emphasis, EMPHASIS!*

# 1 Sections

Sections are useful ways to break-up your paper

## 1.1 Sub-Sections

Subsections specify even more detail

### 1.1.1 Sub-Sub-Sections

Subsubsections are cool too!

# 2 Making lists

## 2.1 Enumerations

1. I am number 1!
2. 1st is the worst, 2nd is the best
3. Blah
4. Blah blah

## 2.2 Itemizations

- I am number 1!
- No one care, there is no order in Itemizations
- Blah
- Blah blah

## 2.3 Tables

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 | 9 |

## 2.4 Images



## 2.5 Equations

One of the biggest advantages that LaTeX has over word processors is how easy it is to make equations $C = 2\pi r$

$$E = mc^2 \tag{1}$$

$$c^2 = a^2 + b^2$$
$$c = \sqrt{a^2 + b^2}$$
$$c = \sec(\tfrac{a}{b})$$

$$m_1 v_1 + m_2 v_2 = (m_1 + m_2)v_f$$

$$f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}$$