

# Learning LaTeX - a perilous journey

Toby Mok

9/2/2025

# Contents

<b>1</b>	<b>First document</b>	<b>1</b>
<b>2</b>	<b>Sections</b>	<b>1</b>
2.1	Subsection . . . . .	1
2.1.1	Subsubsection . . . . .	1
<b>3</b>	<b>Packages</b>	<b>1</b>
<b>4</b>	<b>Math</b>	<b>1</b>
<b>5</b>	<b>Figures</b>	<b>1</b>
<b>6</b>	<b>Table of contents</b>	<b>2</b>
<b>7</b>	<b>BibTeX</b>	<b>2</b>
<b>8</b>	<b>Footnotes</b>	<b>3</b>
<b>9</b>	<b>Tables</b>	<b>3</b>
<b>10</b>	<b>Pgfplotstable</b>	<b>3</b>
<b>11</b>	<b>Code Listings</b>	<b>3</b>
<b>12</b>	<b>Hyperlinks</b>	<b>3</b>
<b>13</b>	<b>Lists</b>	<b>3</b>

The beginning

## 1 First document

Hello World!

## 2 Sections

### 2.1 Subsection

Structuring a document is easy!

#### 2.1.1 Subsubsection

More text.

**Paragraph** Some more text.

**Subparagraph** blah blah blah

## 3 Packages

guh

$$f(x) = x + 1 * x^2$$

## 4 Math

Inline maths -  $f(x) = \log(x)$ , wow!

$$\begin{aligned} 1 + 2 &= 3 \\ 1 &= 3 - 2 \end{aligned}$$

$$\left(\frac{1}{\sqrt{x}}\right)$$

$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

## 5 Figures

Figure 1 shows a Solar.



(a) A solar.

(b) Another solar.

(c) Yet another solar.



(d) Too much solar.

Figure 1: The same Solar. two times.

## 6 Table of contents

## 7 BibTeX

Citation embedded in text:<sup>1</sup> Second citation embedded in text:<sup>2</sup>

---

<sup>1</sup>DUMMY:1.

<sup>2</sup>WEBSITE:1.

Table 1: Dummy table

## 8 Footnotes

This is an example test referring to the footnote<sup>3</sup>. I'm referring to these dogs 3.

## 9 Tables

Value 1	Value2	Value 3
$\alpha$	$\beta$	$\gamma$
1	2.35	3
	5.00	6
3	3.33	
1234		

Table 2: My first (second?) table.

## 10 Pgfplotstable

## 11 Code Listings

```

1 def hello_world():
2     print("Hello world!")

```

## 12 Hyperlinks

This is my link: Latex tutorial. This is my URL: <http://www.latex-tutorial.com> This is my email: [obama@yahoo.com](mailto:obama@yahoo.com)

## 13 Lists

- One
- Two
- Three

1. One
2. Two
3. Three

---

<sup>3</sup>Hello feet

Table 3: Landscape table.

<b>Value 1</b> $\alpha$	<b>Value 2</b> $\beta$	<b>Value 3</b> $\gamma$
1	1110.10	a
2	10.10	b
3	23.11	c

Table 4: Autogenerated table from .csv file.

- 1. One
  - Two
  - Three
  - (a) Four
- \* Five
- a Six
- (i) One
- (ii) Two
- (iii) Three