

My First L^AT_EX Document

Your Name Here

May 15, 2026

Contents

1	Introduction	2
2	Text Formatting	2
2.1	Emphasis and Font Styles	2
2.2	Lists	2
3	A Simple Equation	3
4	Including a Figure	3
5	Tables	3
6	Cross-References	3
7	Conclusion	4

1 Introduction

This document demonstrates the most common features of L^AT_EX. It was created as part of the **Scientific Writing with LaTeX, Overleaf & Prism** workshop.

You can reference other parts of the document automatically. For example, the table appears in Section 5 and the equation is in Section 3.

2 Text Formatting

2.1 Emphasis and Font Styles

Here are the most common ways to style text:

- **Bold text** using `\textbf{...}`
- *Italic text* using `\textit{...}`
- Monospace / code using `\texttt{...}`
- Underlined text using `\underline{...}`
- *Emphasised text* using `\emph{...}` adapts to context

2.2 Lists

Numbered list (enumerate):

1. Write your content in a `.tex` file.
2. Compile with `pdflatex` (or use Overleaf).
3. Review the resulting PDF.

Bullet list (itemize):

- First item
- Second item
 - A nested sub-item
 - Another sub-item
- Third item

3 A Simple Equation

The quadratic formula gives the solutions of $ax^2 + bx + c = 0$ as:

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

We can refer to it as Equation (1). Inline math uses single dollar signs: $E = mc^2$.

4 Including a Figure

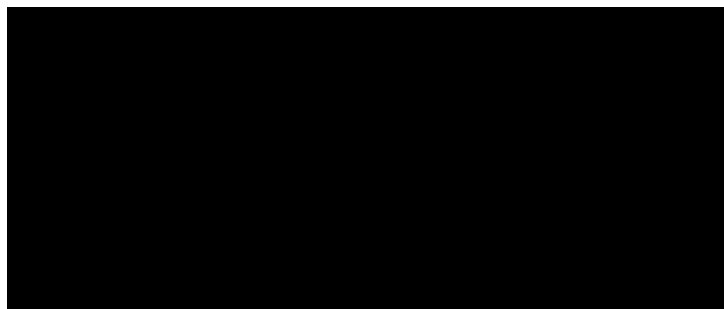


Figure 1: A placeholder figure. Replace with your own image.

As shown in Figure 1, you can reference figures by label.

5 Tables

Table 1 shows a simple data table using the `booktabs` package for professional horizontal rules.

Table 1: Experimental results summary.

Method	Accuracy (%)	Time (s)
Baseline	72.3	1.2
Proposed (v1)	85.1	2.4
Proposed (v2)	89.7	3.1

6 Cross-References

\LaTeX resolves references automatically when you compile twice:

- Section 1 Introduction
- Equation (1) Quadratic formula

- Figure 1 Placeholder figure
- Table 1 Results table

7 Conclusion

You now have a working \LaTeX document! Try modifying each section to practise what you have learned.