

L^AT_EX by example

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L^AT_EX is a powerful and flexible document preparation system. To write a document in L^AT_EX, start a new text file with a `.tex` extension in your favorite text editor. Use this document as an example or guide.

Insert an *em* dash (—) with three hyphens or an *en* dash (–) with two hyphens. You can also add “quotes” around text. Start new paragraphs with a blank line.

If you need to add a block quote, you can do that too!¹ You can also add a footnote.²

Equations are easy with a little practice. You can add inline equations like $A = \pi r^2$ for the area of a circle.

To start a numbered equation, use an `equation` block. Type `^` to indicate superscripts or `_` for subscripts. You can also add fractions and other symbols:

$$x(t) = x_0 + v_0 t + \frac{1}{2} a t^2 \tag{1}$$

An unnumbered equation follows the same rules as a numbered equation, but you use `$$` before and after the equation:

$$\sum_{n=0}^{10} n = 55$$

To add a bullet list, use the `itemize` list type and add an `item` instruction before each item in the list. For example, some common formatting:

- **bold**
- *emphasis*
- *italics*
- SMALL CAPS

¹This is a footnote.

²This is another footnote.

The steps are basically the same for numbered lists. Use the `enumerate` list type and add an `item` instruction to start each item in the list:

1. The first step
2. The next step
3. The last step