LUCL PhD LaTeX workshop

Martin Kroon
Xander Vertegaal

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Today

What?

Why?

How?

Your turn!

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What is LaTeX?

LaTeX is not a text editor like Word!

Philosophy behind it

LaTeX was developed

- ▶ to allow anybody to produce high-quality books and articles using minimal effort;
- ▶ and to provide a system that would give exactly the same results on all computers, at any point in time;
- ▶ you need not worry about the layout, only the contents

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Why LaTeX?

You should use LaTeX because

- it allows you to produce high-quality books and articles using minimal effort;
- and is provides a system that would give exactly the same results on all computers, at any point in time;
- you need not worry about the layout, only the contents

Why LaTeX?

- anything is possible in LaTeX;
- you can define your own commands and macros;
- making a bibliography is very easy;
- good support for other scripts, graphs, tables and equations;
- it allows for modular documents;
- it's pretty...

"Can I do this in LaTeX?"
Yes.

"Why would you want to be able to do this? Like, who wants a table in a superscript in a footnote?"
That question is meaningless.

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Making a document

Go ahead!

Commands

- commands start with a backslash
- they can take arguments:
  - obligatory arguments are in curly brackets: {...}
  - optional arguments are in square brackets: [...]

Document structure

- Preamble
  - \documentclass[...]{...}
  - \usepackage[...]{...}
  - \maketitle
- Body
  - always starts with \begin{document}
  - always ends with \end{document}

Basic text editing

- Newlines
- Quotation marks
- \textit{...} (Ctrl+i)
- \textbf{...} (Ctrl+b)
- \textsc{...}

Basic text editing

Font sizes

- ▶ \tiny sample text
- ▶ \scriptsize sample text
- ▶ \footnotesize sample text
- ▶ \small sample text
- ▶ \normalsize sample text
- ▶ \large sample text
- ▶ \Large sample text
- ▶ \LARGE sample text
- ▶ \huge sample text
- ▶ \Huge sample text

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Your turn!

https://mskroon.github.io/LUCL_LaTeX.pdf

Wrapping up

Thank you!
If you have questions: `m.s.kroon@hum.leidenuniv.nl`