

Getting Started with L^AT_EX

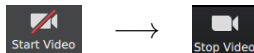
Meirian Lovelace-Tozer

@MeirianLT @ResCom_unimelb 

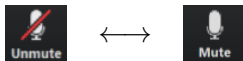
<https://meirian.gitbook.io/latex>

Welcome

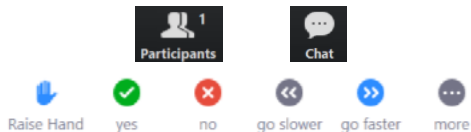
- Please turn on your video:



- Check your microphone:



- Open Participants and Chat:



- During breakout rooms, click Ask for Help to call me:



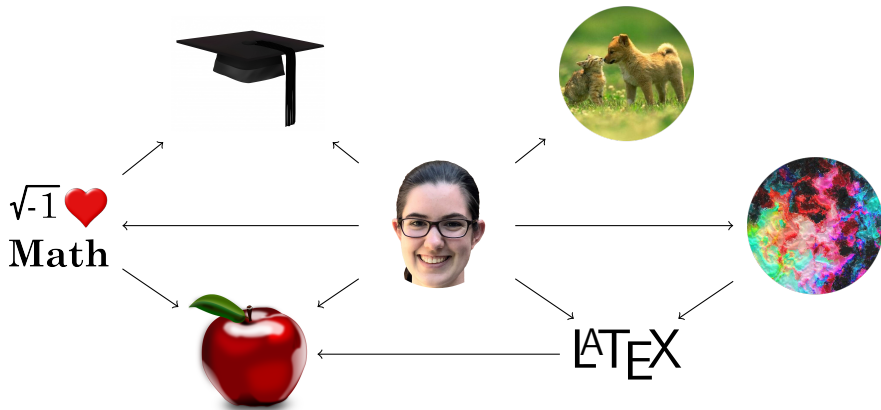
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Who am I?



Who are you?

In your group. . .

- Introduce yourselves;
- Find one thing everyone in your group has in common;
- Come up with a team name!

What is \LaTeX ?

`/ˈleɪtɛks/`



What is \LaTeX ?

$/\text{'leɪt}\epsilon\text{k}/$ or
 $/\text{'la:t}\epsilon\text{k}/$

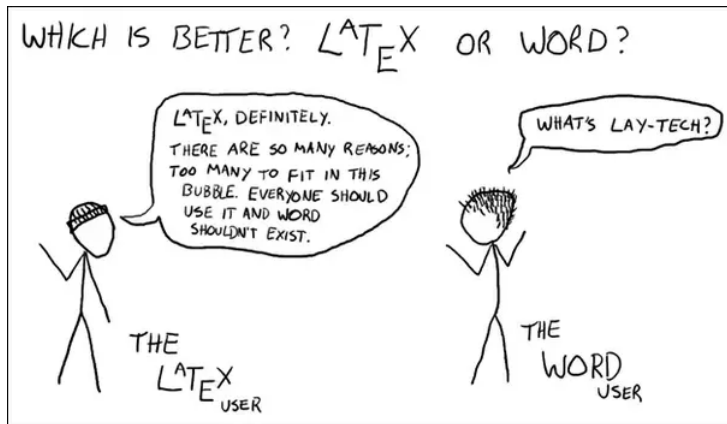


What is \LaTeX ?

\LaTeX

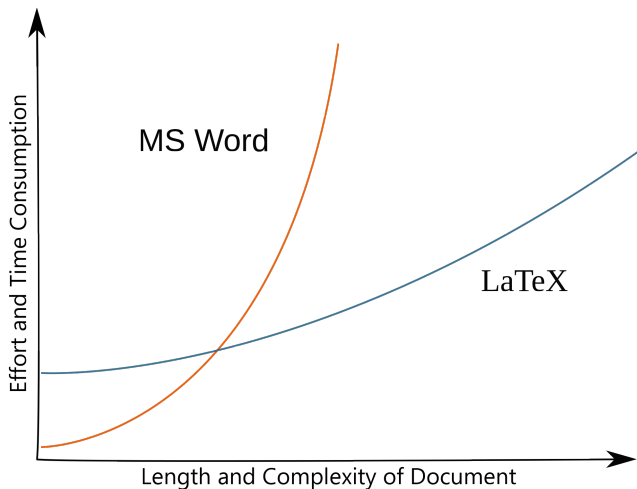
- \LaTeX is a programming language for high-quality, beautiful typesetting.
- Typesetting is the science and art of positioning type on a page in preparation for publishing.

Why use \LaTeX ?



Nabil Elqatib, Fanatic \LaTeX user.

Why use \LaTeX ?



Why use L^AT_EX?

Hear from Debjit, a researcher who is part of our L^AT_EX community, in his video

*Digital Doctoral Diaries:
Publishing during your PhD with L^AT_EX*

https://youtu.be/_WAg6rq8pKE

The history of \LaTeX



Figure: Prof. Emeritus Donald E. Knuth

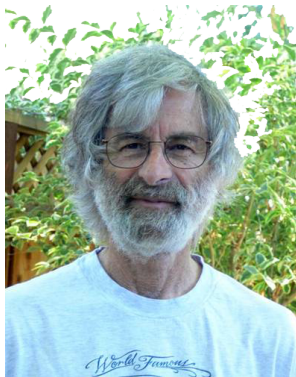


Figure: Dr. Leslie B. Lamport

Document classes

- books,
- journal articles,
- technical reports,
- IEEE transactions,
- proceedings,
- résumés/CVs,
- letters,
- memoirs,
- posters,
- slide presentations.

Getting started

```
\documentclass{book}
```

Getting started

```
\documentclass{article}
```

Getting started

```
\documentclass{article}
```

```
\begin{document}
```

```
\end{document}
```


Getting started

Hello World!

```
1 \documentclass{article}
2
3 \begin{document}
4
5     Hello World!
6
7 \end{document}
```

Getting started

```
\title{My Title}  
\author{My Name}  
\date{\today}
```

Getting started



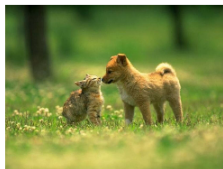
```
1 \documentclass{article}
2
3 \title{My Title}
4 \author{My Name}
5 \date{\today}
6
7 \begin{document}
8
9     \maketitle
10     Hello World!
11
12 \end{document}
```

Learning objectives

- Basic \LaTeX document;
- Title and author;
- Sharing is caring;
- Inserting images.

Animals

An article about animals.



`www.overleaf.com`

`www.overleaf.com/edu/unimelb`

Sharing is caring

- Select one member of your team to create an Overleaf document and share this with the group by pasting the edit link in the chat;
- Set your team name as the `\author{\square}`;
- Cats vs Dogs: Are you team cats or team dogs?
- Decide which side you're on and give your article an appropriate `\title{\square}`.

Cats versus Dogs



Challenge

- Insert an image of your animal using the `figure` environment.
- Give your image a clever and creative caption!
- When you return, share a link to your Overleaf document in the group chat.
- Choose one member of your team to present your Overleaf document (via screen share)
- *Hint:* Don't forget to use the `graphicx` package.
- *Bonus challenge:* Use the `label` to refer to your figure.

What did we learn?

Kahoot Quiz!

Learning outcomes:

- I can create and share a LaTeX document.
- Given an image, I can generate a figure in a LaTeX document.

Thank you

Thanks for coming — I hope you enjoyed the workshop!

- Feedback survey:
- Find all my favourite resources here:
<https://meirian.gitbook.io/latex>
(don't worry, I'll send a follow-up email with this link!)
- Upcoming events:
<http://rescomunimelb.eventbrite.com>
- Interested in becoming a leader?
Let me know by responding to the follow-up email 😊