

# Getting Started with L<sup>A</sup>T<sub>E</sub>X

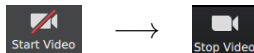
Meirian Lovelace-Tozer

@MeirianLT @ResCom\_unimelb 

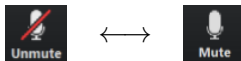
<http://go.unimelb.edu.au/5i3r>

# Welcome

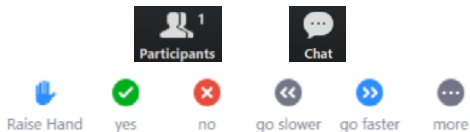
- Please turn on your video:



- Check your microphone:



- Open Participants and Chat:



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



# Getting Started with L<sup>A</sup>T<sub>E</sub>X

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<http://go.unimelb.edu.au/5i3r>

# 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 $\text{\LaTeX}$ ?

$/\text{'leit}\epsilon\text{ks}/$



# What is $\text{\LaTeX}$ ?

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



What is  $\text{\LaTeX}$ ?

$\text{\LaTeX}$

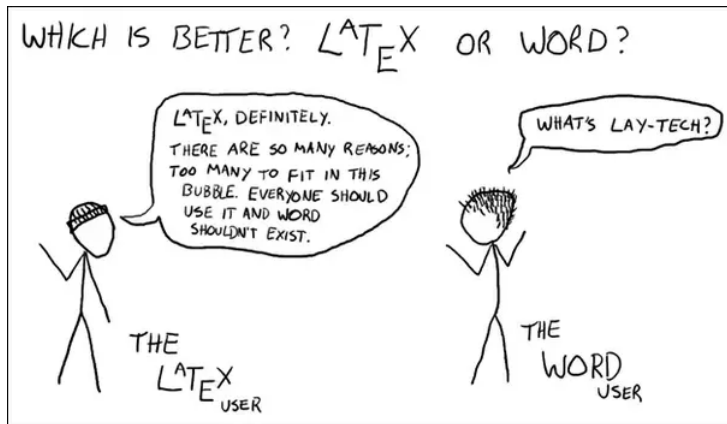
# What is $\text{\LaTeX}$ ?

$\text{\LaTeX}$

- $\text{\LaTeX}$  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.

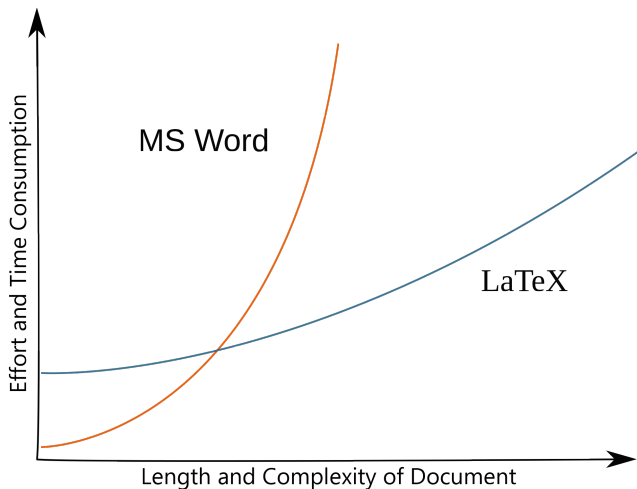


# Why use $\text{\LaTeX}$ ?



Nabil Elqatib, Fanatic  $\text{\LaTeX}$  user.

# Why use $\text{\LaTeX}$ ?



# The history of $\text{\LaTeX}$



**Figure:** Prof. Emeritus Donald E. Knuth

# The history of $\text{\LaTeX}$



Figure: Prof. Emeritus Donald E. Knuth

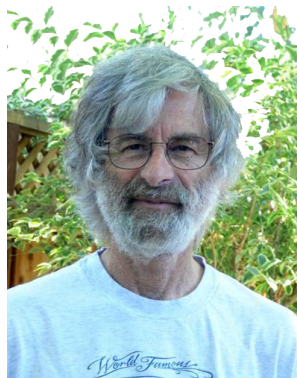


Figure: Dr. Leslie B. Lamport

# 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



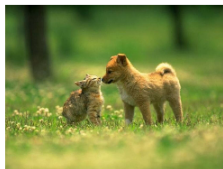
```
1 \documentclass{article}
2
3 \title{My Title}
4 \author{My Name}
5 \date{\today}
6
7 \begin{document}
8
9     \maketitle
10     Hello World!
11
12 \end{document}
```

# Learning objectives

- Basic  $\text{\LaTeX}$  document;
- Title and author;
- Sharing is caring;
- Figure environment;
- Include graphics.

## 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{□}`;
- Cats vs Dogs: Are you team cats or team dogs?
- Decide which side you're on and give your article an appropriate `\title{□}`.



# Why use $\text{\LaTeX}$ ?

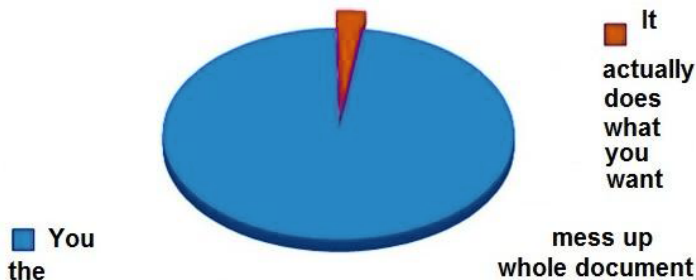
## Moving a picture in Microsoft Word



- It actually does what you want
- You mess up the whole document

# Why use L<sup>A</sup>T<sub>E</sub>X?

## Moving a picture in Microsoft Word





# Graphics



# Cats versus Dogs



# Challenge

- Insert an image of your animal using the `figure` environment.
- Give your image a clever and creative caption!
- Select one member of your team to present your Overleaf document (using screen share) to everyone.
- *Hint:* Don't forget to use the `graphicx` package.

# Thank you

Thanks for coming — I hope you enjoyed the workshop!

- Feedback survey: <http://go.unimelb.edu.au/bym6>
- Find all my favourite resources here:  
<http://go.unimelb.edu.au/5i3r>  
(don't worry, I'll send a follow-up email with this link!)
- Interested in becoming a leader?  
Let me know by responding to the follow-up email 😊