

# Introduction to Typesetting in $\text{\LaTeX}$

[DRAFT]

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## [Important] Announcements

Workshop material (including these slides) available at:

`https://github.com/mollymr305/latex-workshop-2017`

If you haven't done this yet, please:

- ▶ Download the T<sub>E</sub>X package; the 'language'.
  - ▶ Windows: `http://miktex.org/download`
  - ▶ Mac OS X:  
`http://tug.org/mactex/mactex-download.html`
- ▶ Download Texmaker; the 'editor'.
  - ▶ Go to `http://www.xmlmath.net/texmaker/download.html`

# Today's Agenda

## Introduction

Brief Introduction to  $\text{\LaTeX}$ ?  
The  $\text{\LaTeX}$ ify Team.

## The Workshop

Prerequisites  
Content

## Final Remarks

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

$\text{\LaTeX}$

# What is L<sup>A</sup>T<sub>E</sub>X?

<https://en.wikipedia.org/wiki/LaTeX>

- ▶ “... a document preparation system”
- ▶ “A TeX distribution such as TeX Live or MikTeX is used to produce an output file (such as PDF or DVI) suitable for printing or digital distribution.”
- ▶ “LaTeX is widely used in academia for the communication and publication of scientific documents in many fields, including mathematics, statistics, computer science, engineering, chemistry, physics, economics, quantitative psychology, philosophy, and political science.”

# The $\text{\LaTeX}$ ify Team.

- ▶ We are a subcommittee of the NUS Mathematics Society.
- ▶ Provide student solutions for past year papers under the Mathematics Department.

# Prerequisites

- ▶ No  $\text{\LaTeX}$  or programming background necessary.
- ▶ You will need your own laptop with the downloaded software etc.

# Prerequisites

Last resort for those who are unable to download the  $\text{\TeX}$  distribution or Texmaker in time ...

<https://www.overleaf.com>



# Content

Teach **basic** typesetting in  $\text{\LaTeX}$ .

- ▶ Text manipulation, mathematical notation, equations ...
- ▶ Basically ‘how to create a proper document’.
- ▶ If time permits:
  - ▶ Inserting tables, pictures, code snippets.
  - ▶ More advanced bibliography management (BibTeX).

# Content

How it works:

- ▶ We will do a ‘live’ demonstration, and create a  $\text{\LaTeX}$  document from scratch.
- ▶ Try to follow (i.e. mimick everything on your own laptop).
- ▶ Raise your hand if you need any assistance; our  $\text{\LaTeX}$ ify Team members will try and help you out.

# Content

Just a reminder before we start this workshop proper.

Workshop material available at:

<https://github.com/mollymr305/latex-workshop-2017>

- ▶ Additional resources for  $\text{\LaTeX}$ :

<http://mollymr305.github.io>

- ▶ Give us your feedback at:

<http://mollymr305.github.io>

# Thank You

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