Making Presentations in LaTeX

A hands-on workshop

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Academic Skills Club

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Text
Fun text things

We can do all kinds of things with text. You can make text **bold**, *italicized*, and coloured. In addition it is also useful to know how to superscript text A^{stuff} or subscript B_{stuff}.

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Organization
Look how well it works

Woot woot!
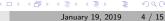
Columns

something   something else

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Spacing
Vertical and horizontal

Some text here with vertical space after

More text after that and some horizontan space   boom!

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Lists and their spacing
Enumerated lists

There are two main ways to create lists in LaTeX, enumerate (for numbered lists) and itemize.

1. This is a thing
2. This is another thing

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Itemized lists

The lists don't have to be numbered. Using itemize will give you bullet points (but you can change what they are). Here is an example using enumerate. For controlling spacing you will need the command itemsep.

- Stuff

- More stuff

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Blocks
Fun with Lego!

We can make regular blocks:

Blocktitle
Some important text

Or we can make alertblocks:

Warning!
Warning message

Or we can make exampleblocks:

Example Title
Example text that is very instructive

Figure : We can add captions to our figures as well

Using math mode

As usually one of the primary reasons you will use LaTeX is for writing
equations.

$$F_{net} = ma \tag{1}$$

Equations don't have to be numbered. You can disable the numbering by
putting an asterisk in the begin and end statements

$$E = mc^2$$

It is also very convenient to write multiple lines in an equation using the
align environment:

$$2x - 5y = 8$$
$$3x + 9y = -12$$

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Using math mode even more

You can write all sorts of fancy symbols (which can be found on the cheatsheet!)

$$i\hbar\frac{\partial|\Psi\rangle}{\partial t} = \hat{H}|\Psi\rangle$$

Math mode can be used inline with text (e.g. $e^{-\lambda x}$) which is very convenient. All you need to do is wrap your equation (or whatever you are using) in dollar signs.

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Making Tables

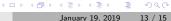Here we will create tables which can be a nice way of presenting data.

Fruit	Quantity	Price
Apple	2	$2.00
Banana	5	$3.50
Orange	8	$4.00

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How to add footnotes

Here is some text that will need an explanation in a footnote [1] and then we can add more text with another footnote [2].

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[1] Here is the associated footnote

[2] The other footnote

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Citing and Citations
Citing

This is a citation [**?**]. You will probably need to compile twice to get the reference to show up.

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References