

# Writing Beamer Slides with Markdown

LianTze Lim

Overleaf

June 4, 2024

How?

Example

Proposed Menus  
Budgeting

# We can do that?

- ▶ Yeah to some extent, with markdown package :-)
  - ▶ # and ## for section and subsection headers (in ToC)
  - ▶ Redefine ### to start a frame and frametitle
  - ▶ (Nested) bullet and numbered lists
  - ▶ Text formatting (*italic*, **bold becomes italic + alerted**)
  - ▶ Redefine #### to start a block with title and -- to end the block
  - ▶ *Compile with -shell-escape* (Overleaf does this already)
- ▶ (Alternative approaches: Pandoc, wikitobeamer)

# Caveats

- ▶ Nothing too complicated!
- ▶ No verbatim or fragile stuff!
- ▶ No # and \_ characters!  
(I used `$\hash$` and `\textunderscore`)
- ▶ Can't pass options to frames
- ▶ **Need to write `\end{frame}` manually!**

# Breakfast Menu

- ▶ Eggs
  - ▶ scrambled
  - ▶ sunny-side-up
- ▶ Coffee
  - ▶ Americano
  - ▶ Long black
- ▶ Tea
  - ▶ Darjeeling
  - ▶ English Breakfast

# Lunch Menu

- ▶ Spaghetti
  - ▶ Bolognese
  - ▶ Aglio olio
- ▶ Sandwiches
  - ▶ Egg
  - ▶ Ham
  - ▶ Tuna

# Projected Profit

1. And the answer is...
2.  $f(x) = \sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!} (x - a)^n$ 
  1. How do we *know* that?
  2. **Maths!**

# Testing blocks

This is a block!

- ▶ Here is some content.
- ▶ Here's more contents.



# Citations

- ▶ This is a citation (Novotný, 2017)
- ▶ Works like natbib syntax (see Novotný, 2019, p.26)

# Pipe Tables

- ▶ Use `pipeTables` and `tableCaptions` options
- ▶ Available since markdown v2.8.0

Right	Left	Default	Center
12	12	12	12
123	123	123	123
1	1	1	1

**Table:** Demonstration of pipe table syntax.

# Bibliography

Novotný, V. (2017). Using markdown inside  $\text{T}_{\text{E}}\text{X}$  documents. *TUGboat*, 38(2):214–217.

Novotný, V. (2019). Markdown 2.7.0: Towards lightweight markup in  $\text{T}_{\text{E}}\text{X}$ . *TUGboat*, 40(1):25–27.