Writing Beamer Slides with Markdown

LianTze Lim

Overleaf

May 3, 2019

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 TEX documents. *TUGboat*, 38(2):214–217.

Novotný, V. (2019). Markdown 2.7.0: Towards lightweight markup in TEX. *TUGboat*, 40(1):25–27.