

Beamer Presentation with Pandoc and Markdown

A quick way to prepare slides

Amir Shabani - 9413088021

Sunday, December 29, 2019

University of Qom

Table of Contents

1. What are Beamer, Pandoc, and Markdown?
2. The Philosophy of Markdown
3. Markdown Syntax
 - 3.1 Typography
 - 3.2 Lists
 - 3.3 Links
 - 3.4 Images
 - 3.5 Code and Syntax Highlighting
 - 3.6 Tables
 - 3.7 Blockquotes

What are Beamer, Pandoc, and Markdown?

- **Beamer**

Beamer is a LaTeX **document class** for creating presentation slides, with a wide range of templates and a set of features for making slideshow effects.

It supports pdfLaTeX, LaTeX + dvips, LuaLaTeX and XeLaTeX. The name is taken from the German word “Beamer” as a pseudo-anglicism for “video projector”.

What are Beamer, Pandoc, and Markdown?

- **Pandoc**

Pandoc is a free and open-source **document converter**, widely used as a writing tool (especially by scholars) and as a basis for publishing workflows. It was created by John MacFarlane, a philosophy professor at the University of California, Berkeley.

What are Beamer, Pandoc, and Markdown?

- **Markdown**

Markdown is a lightweight **markup language** with plain text formatting syntax. Its design allows it to be converted to many output formats, but the original tool by the same name only supports **HTML**. Markdown is often used to format readme files, for writing messages in online discussion forums, and to create rich text using a plain text editor.

The Philosophy of Markdown

Markdown is intended to be as **easy-to-read** and **easy-to-write** as is feasible.

Readability, however, is emphasized above all else. A markdown-formatted document should be *publishable* as-is, as plain text, without looking like it's been marked up with tags or formatting instructions.

Typography

`*italic*` | `_italic_` becomes *italic*

`**bold**` | `__bold__` becomes **bold**

`**_bold and italic_**` becomes ***bold and italic***

`~~strikethrough~~` becomes ~~strikethrough~~

`**_~~mixed~~_**` becomes ***~~mixed~~***

Lists

****Ordered List****

1. Item 1
2. Item 2
3. Item 3

Ordered List

1. Item 1
2. Item 2
3. Item 3

****Unordered List****

- Item 1
- Item 2
- Item 3

Unordered List

- Item 1
- Item 2
- Item 3

`<https://pandoc.org>` becomes <https://pandoc.org>

`[Pandoc] (https://pandoc.org)` becomes [Pandoc](https://pandoc.org)

```
![alternative text](address to image)
```

The image displays the word "LATEX" in a large, bold, black serif font. The letters are well-spaced and have a classic, elegant appearance. The 'L' is tall and narrow, the 'A' has a wide base, the 'T' is simple and vertical, the 'E' has three horizontal strokes, and the 'X' is formed by two intersecting diagonal strokes.

Figure 1: latex

Code and Syntax Highlighting

```
```javascript  
var s = "JavaScript syntax highlighting";
alert(s);
```
```

```
var s = "JavaScript syntax highlighting";  
alert(s);
```

Code and Syntax Highlighting

```
```python
string = "Python syntax highlighting"
print(string)
```

string = "Python syntax highlighting"
print(string)
```