

Beamer Presentation with Pandoc and Markdown

A quick way to prepare slides

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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)
```

Tables

```
Tables	Are	Cool
col 3 is	right-aligned	$1600
col 2 is	centered	$12
col 1 is	left-aligned	$1
```

becomes

| Tables | Are | Cool |
|----------|---------------|--------|
| col 3 is | right-aligned | \$1600 |
| col 2 is | centered | \$12 |
| col 1 is | left-aligned | \$1 |