

# How to use this beamer templates

by

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# Introduction

# What is Beamer?

- ❖ beamer is a  $\text{\LaTeX}$  class
- ❖ You can write a cool presentation in  $\text{\TeX}$ 
  - ❖ like this

A preamble:

```
\documentclass[dvipdfmx,default,cjk]{beamer}
```

# Presentation Tools

- ❖ PowerPoint (GUI)
- ❖ Keynote (GUI)
- ❖ Beamer (Text)

GUI is difficult. Writing T<sub>E</sub>X is also difficult.  
Find more convenient tools!

# Use Pandoc

Pandoc - [pandoc.org](http://pandoc.org)

is a *document*  $\mapsto$  *document* convert tool

✚ many document formats are supported!!

1. .mkd (markdown)
2. .html .xml
3. .docx (Microsoft Words)
4. .tex .pdf
5. and more

✚ *template* is used for convert

- ✚ pandoc has many templates for many formats
- ✚ you can custom and use your own templates

# Example

a document .tex from .mkd

Pandoc use usual **template** for .tex. The formats of input and output are inferred from the file extensions.

```
pandoc -o report.tex report.mkd
```

a slide .tex from .mkd

specify the output format as beamer

```
pandoc -t beamer -o report.tex report.mkd
```

# Method

# My Way to Write Presentation

1. write .mkd
2. get beamer file by pandoc

```
pandoc -s -t beamer \  
  --template ./themes/pondering.tex \  
  -o out.tex in.mkd
```

(also see Makefile)

3. compile with platex and get .pdf

```
platex out  
dvipdfmx out  
zathura out.pdf
```



# Check the Template

# enumerate and itemize

1. one

2. two

➤ 2

➤ 弐

3. three

❖ itemize

➤ subitemize

▶ subsubitemize

▶ subsubitemize

❖ itemize

❖ itemize

# Block

In mkd, a `###` makes a block

block title

block inner

block title

block inner

# code highlight

```
seq 1 100 | factor | awk 'NF==2{print $2}'  
main :: IO ()  
if __name__ == "__main__":  
    pass
```

# embbbed T<sub>E</sub>X

## BTW:

Markdown grammer is poor. To realize a little advanced, we need T<sub>E</sub>X.

1. T<sub>E</sub>X can be embbed in m<sub>k</sub>d
  - ❖ which are never changed by pandoc
2. All inner of a T<sub>E</sub>X are judged as T<sub>E</sub>X
  - ❖ This means: cannot write m<sub>k</sub>d in T<sub>E</sub>X

# Example - twocolumns

Markdown has no grammar about columns. My template defined special syntax (T<sub>E</sub>X macros) for columns.

```
\BeginColumn{.6}  
  Left column  
\Column  
  Right column  
\EndColumn{.4}
```

generates

```
\begin{columns}  
  \column{.6\textwidth}  
    Left column  
  \column{.4\textwidth}  
    Right column  
\end{columns}
```