

# How to use this beamer templates

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# 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  $\text{\TeX}$  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
```

# My Way to Write Presentation Slides

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
```

# 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
```

**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 embbeded in `mkd`
  - ❖ 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 `mkd` in T<sub>E</sub>X

# Example - twocolumns

Markdown has no grammar about columns.  
Very easy in T<sub>E</sub>X:

```
\begin{columns}
  \column{.5\textwidth}
    Left column
  \column{.5\textwidth}
    Right column
\end{columns}
```

# Example - twocolumns

Any `mkd` code **cannot** be emmbed in  $\text{\TeX}$ code.

```
\begin{columns}
  \column{.5\textwidth}
    [[MARKDOWN]]
  \column{.5\textwidth}
    Right column
\end{columns}
```

Left column *\*alert\** **\*\*bold\*\***

Right column