

# How to organize markdown for quarto markdown

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. markdown file , .  
Data Science , .

Domain	Programming_Code	Documents	Both (Dynamic Document)
Stat	Python, R, SPSS, ...	markdown	jupyter notebook, R markdown
CS	Python, C++, ...	markdown	jupyter notebook

Background tool , .

# 1 What is the Quarto markdown ?

2025s - (lectured by Prof. Jaeyong-Lee) quarto jupyter notebook, R markdown, quarto markdown , quarto

, quarto markdown R markdown , tool . quarto markdown  
[Quarto website](#)

1. quarto markdown document (.qmd)
2. quarto page rendering (.qmd, github pages)

quarto markdown (qmd)

1. jupyter notebook (.ipynb), R markdown (.rmd) , code cell markdown description
2. R markdown(.rmd) , YAML header rendering
3. github pages personal website . ( jekyll )

## 1.1 Strength

1. markdown customizing
2. jupyter notebook, R markdown . convert
3. YAML header .html, .pdf
4. HTML , pandoc quarto webpage . (github pages)

## 1.2 Weakness

Main pandoc rendering . issue ,

1. markdown R markdown , quarto markdown . rendering
2. pandoc convert (.ipynb, .rmd) .qmd , code result .qmd .  
running time code cell ,
3. pandoc quarto markdown parsing , rendering issue .

, issue .

### 1.3 Problem 1. quarto markdown does not support Preview - Use Dynamic Document

preview rendering .  
 quarto markdown (jupyter notebook, R markdown) .  
 python , jupyter markdown . (See below)

### 1.4 Problem 2. convert misses the results - Bypass using Dynamic Document

Dynamic documents jupyter notebook R markdown . programming languages

	jupyter notebook	R markdown
Main programming language	python	R

python , jupyter notebook .

1. ( , description) filename.ipynb

2. filename.ipynb → filename.md

```
python -m jupyter nbconvert --to markdown filename.ipynb
```

, directory .

- filename\_files: code results image , images .
- filename.md: filename.ipynb markdown cell, code cell and code result markdown file .
- filename\_files images ![png](images\_directory) .

3. filename.md → filename.qmd

```
ren filename.md filename.qmd
```

, ren filename.md new\_filename.qmd . , .qmd

4. filename.qmd setting

- filename.qmd: YAML header
- filename.qmd: code cell { } .: python {python} .

## 5. Render to .html or .pdf

```
quarto render filename.qmd --to html # qmd to html
quarto render filename.qmd --to pdf  # qmd to pdf
```

rendering .

terminal , filename space , " " .

pandoc rendering .

```
quarto render "filename.qmd" --to pdf
quarto render "filename.md" --to pdf
quarto render "filename.ipynb" --to pdf
```

.qmd, .md, .ipynb .pdf .html render . pandoc , md .ipynb  
rendering .

### 1.5 Problem 3. pandoc is not kind - Recommended markdown writing style for pandoc

, Dynamic Document **markdown** .  
quarto markdown markdown , quarto file rendering pandoc parsing YAML  
header .

#### 1.5.1 Inline Elements - Maintain your style

**Bold**, *italic*, link . Block Elements , markdown .

#### 1.5.2 Block Elements Rule - Surround with blank lines

pandoc **Block Elements** , empty line . YAML header

```
---
Header
---
```

```
--- , --- .
```

### 1.5.3 Wrong examples

1. Bullet list ( )

```
#, ##, ###  
-  
-
```

2. Blockquote ( )

```
abcd,...  
> quote  
efgh,...
```

3. Thematic Break ( )

```
ABCD,...  
---  
EFGH,...
```

### 1.5.4 Right examples

1. Bullet list ( )

```
#, ##, ###  
  
-  
-
```

2. Blockquote ( )

```
abcd,...  
  
> quote  
  
efgh,...
```

3. Thematic Break ( )

```
ABCD,...  
***  
EFGH,...
```

, **markdown** .

### 1. **Bullet list** ( )

- 1., -, \* , blank lines .
- #, ##, ### .

### 2. **Blockquote** ( )

- > , blank lines .

### 3. **Thematic Break** ( )

- --- \*\*\* .
- , , blank lines .

---

quarto markdown .  
, .  
markdown    quarto markdown .    #, ##, ### . markdown  
[markdown\\_written](#) .