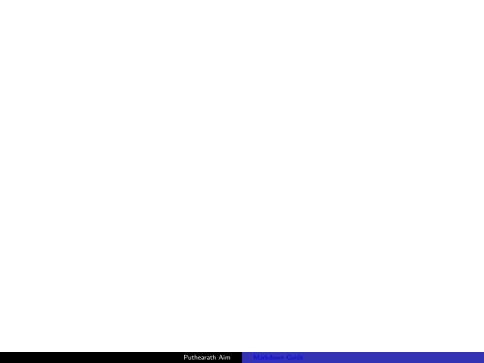
Markdown Guide

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Introduction

Welcome to my (arguably scuffed) markdown guide. The aim to provide the general quirks of markdown; intended to be revisited as often as needed.

I tend to forget some specific markdown syntax; by which this guide provides a nice reference for. Also, writing this markdown guide in markdown is just wonderful.

What is markdown?

Markdown is a markup language with plain text formatting syntax (basically better text). It converts plain text to HTML.

Why use markdown?

- Markdown is incredibly lightweight compared to rich text formats; such as .rtf or .docx.
- It is arguably the simplest markup language there is.
- Can be converted to a plethora of formats seamlessly, such as .html, .tex, .pdf, etc.

Where is markdown used?

- Repositories such as GitHub (README.md files) for software documentation.
- Forums and blog posts within applications or websites.
- Static websites.
- Documents and notes.
- Email formatting.
- This markdown guide.

Headings and Sub-headings

Prepending a # before some text promotes it to a heading. Prepending additional #'s demotes it to a sub-heading, sub-sub-heading and so on.

Adding one (or multiple) = below the text also promotes it to a heading. Use – for a sub-heading.

```
Raw
```

```
# Heading
### Sub-heading
#### Sub-sub-heading
##### Sub-sub-sub-heading
Also Heading
===
Also sub-heading
---
```

Heading

Sub-heading	
Sub-sub-heading	
Sub-sub-heading	
Sub-sub-sub-heading	

Also Heading

Also sub-heading

Generic Formatting

Raw

Paragraphs are separated by a blank line.

Two spaces at the end of a line produce a line break.

Text attributes: _italic_, *also italic*, **bold**, __also bold_

Compiled

Paragraphs are separated by a blank line.

Two spaces at the end of a line produce a line break.

Text attributes: *italic*, *also italic*, **bold**, **also bold**, mono-space, strike-through.

Lists

A blank line between list elements (sometimes) produces a larger space between the elements.

Raw

Unordered list:

- * Fruits
 - Apples
 - Oranges
 - + Orange
 - Green
- + Meat

Subsequent indented paragraphs belong to the list element.

* Dairy

Links

Raw

```
A [Wikipedia] (https://www.wikipedia.org "Wikipedia Home") and [G
```

A <https://directlink.tv> and <directlink@email.org>.

[identifier]: https://www.google.com "Google Home"

Compiled

A Wikipedia and Google hyper-link.

A https://directlink.tv and directlink@email.org.

Horizontal Rule

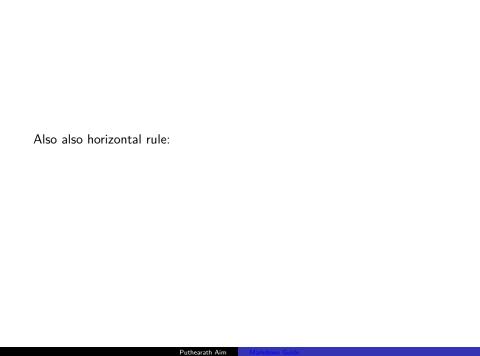
Horizontal rules are not used that often.

Raw Horizontal rule: Also horizontal rule: Also also horizontal rule: ***

Compiled

Horizontal rule:



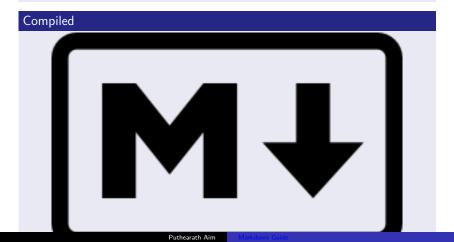


Images

Text within the quotes after the image directory is the text displayed when the image directory is not found.

Raw

![Markdown Icon](./figures/markdown-icon.png "Markdown Icon")



Block-quotes

Prepend a > in every line of the block for a block-quote.

Raw

```
> Append two space in first line
> for a line-break in block-quote.
>
> Second paragraph in block-quote.
>
>> Deeper block-quote with additional `>`.
>>
>>> Even deeper block-quote.
>>>
```

Compiled

Append two space in first line for a line-break in blockquote. Second paragraph in blockquote. Deeper blockquote with additional >. Even deeper blockquote.

Code-blocks

Surround the block with three `'s or three ~'s (above and below the block).

Optionally append the first line with the name of the defined language for syntax highlighting.

A code-block can also be formed with a prepended tab (four spaces) in each line.

Raw

```
""Python
# A code-block
import numpy as np
def func(x):
    """Returns sin squared of a number."""
    assert type(x) in (int,float)
    return np.sin(x)**2
if __name__ == '__main__':
    pass
"""C++
```

Comments

Raw

```
<!--
Comment
-->
[//]: # (This is the most platform independent syntax.)
[///]: # (This will not be included in the output file.)
```

Footnotes

Raw

Text[^footnote-identifier] with a footnote[^long-footnote] and i

[^footnote-identifier]: Footnote information.

[^long-footnote]: Footnote with multiple blocks.

Subsequent indented paragraphs belong to the footnote.

code.isNone() == True

Compiled

Text¹ with a footnote² and inline³.

¹Footnote information.

²Footnote with multiple blocks.

³You do not have to create an identifier.

LaTeX

Surround LaTeX code with double \$.

Raw

 $\frac{69}\cdot\frac{420}{LaTeX}$

$$\frac{some}{69} \cdot \frac{420}{LaTeX}$$

Tables

Generally and unfortunately, for some table styles, you cannot directly set the column width; unless you perform some wonky stuff with its behaviour.

Raw

```
|Left|Centre|Right|
|:--|:-:|--:|
|1,1|1,2|1,3|
|2,1|2,2|2,3|
|3,1|3,2|3,3|
|4,1|4,2|4,3|
```

Table: Pipe Table

Table	2 1:	Pipe	Table
Left	Ce	ntre	Right
1,1	1	.,2	1,3
6			

Pandoc Tables

Raw		
Left	Centre	Right
1,1	1,2	1,3
2,1	2,2	2,3
3,1	3,2	3,3
4,1	4,2	4,3

: Simple Table

1,1	1,2	1,3
2,1	2,2	2,3
3,1	3,2	3,3
4,1	4,2	4,3

: Header-less Simple Table

Line-block

Prepend a | in each line of the line-block.

This allows new lines without an empty line between each line, which is useful for verses and addresses.

Raw

```
| An iconic lullaby:

| Twinkle twinkle little star,

| how I wonder what you are.

| Up above the world so high,

| like a diamond in the sky.

| Twinkle twinkle little star,

| how I wonder what you are.
```

Compiled

An iconic lullaby:

Twinkle twinkle little star, how I wonder what you are. Up above the world so high, like a diamond in the sky.

Task-list

Raw

- [x] Done.
- [] Not done.

- ☑ Done.
- □ Not done.

Superscripts and Subscripts

Surround literals between~ for a subscript. Very useful in chemical formulae.

Conversely, surround literals between ^ for a superscript.

Raw

H~2~0 is one of the main reasons to why life exists.

 $f(x) = Ae^-bx^-$ describes exponential decay.

Compiled

 H_2O is one of the main reasons to why life exists.

 $f(x) = Ae^{-bx}$ describes exponential decay.

Line-break

Raw

\

Definition-list

Raw

Term

: This is a definition.

: This is an alternate definition.

Compiled

Term This is a definition.

This is an alternate definition.

Compiling

I mainly use ghostwriter and pandoc.

ghostwriter

- Can choose Markdown Flavor and Style Sheet for HTML preview.
- Can see Outline HUD and Documents Statistics HUD; and can use ctrl + shift + h to remove or show them.
- Can Insert Image by dragging in an image.
- Can Copy HTML with ctrl + shift + c.
- Can Export directly.
- Can use Distraction Free Mode with no HUD and no HTML preview.

pandoc

- To HTML example snippet: pandoc .\markdown-guide.md -o markdown-guide.html -s --mathjax.
- To PDF example snipper: pandoc .\markdown-guide.md -o markdown-guide.pdf --pdf-engine=pdflatex.
- To beamer example snippet: pandoc .\markdown-guide.md -o markdown-slide.pdf -t beamer -V theme:Luebeck.

Explore

- Labels
- Images
- Citations
- Citation Syntax