

# Book Markdown Template

## Scientific Markdown Syntax

Culture Academy

### **Abstract**

This template explains writing scientific publications in markdown and provides code example. Footnotes, citations, tables, figures etc. are possible.

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## List of Figures

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## List of Tables

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# 1 Converting to .pdf

- use pandoc with `--citeproc` option, this handles the citations
- most of other options can be set here in place in the yaml frontmatter
- the following bash script handles it nicely

## 1.1 bash script

```
#!/bin/bash
mkdir $(BUILDDIR) -p # Creates the BUILDDIR if it doesn't already exist.
pandoc $(FILENAME).md \
--citeproc \
--output=$(BUILDDIR)/$(FILENAME).pdf \
--pdf-engine=xelatex
```

# 2 General Markdown conventions

- `_single underscores_` produce *italic* text
- `_double underscores_` produce **bold** text
- `*italic*` and `**bold**` analogous with `*`
- `[description](url)` links with pretty name are rendered like [Culture Academy](#)
- alternatively just link (`https://culture-academy.org`) undered like (`https://culture-academy.org`)

# 3 Headings

Headings are ordered by the number of # at the beginning. There are other options, but they don't fold that well in editors.

```
# h1 Heading
## h2 Heading
### h3 Heading
#### h4 Heading
##### h5 Heading
##### h6 Heading
```

# 4 Multiple Lines

By default, pandoc, respectively  $\text{\LaTeX}$  binds lines separated by only one new line together. This can be circumvented by: 1. adding to spaces at the end of the line 2. adding a `\` at the end of the line

This is a line with one space. This line has two spaces.  
This line has a backslash.  
And this lonely little line is the end of it.

# 5 Lists

## 5.1 Unordered lists

- unordered list items

- are done by
  - adding a -, +, or \*
  - with followig space at the beginning of a line
- there can be multiple levels
  - going deep
  - \* and deeper

## 5.2 Ordered lists

1. ordered lists are done by either
  1. adding 1., 2. and so forth at the beginning of lines or
  2. just any numbers like 1., 1. and counting
2. meaning that the numeration is done automatically either way
3. there can also be multiple levels
  1. also
  2. numbering
    1. automatically
    2. with either method
  3. just fine
4. sometimes it helps to **add new lines in between**

## 6 Blockquotes

Blockquotes are done by > at the beginning of lines they cannot be nested, when I tested with pandoc to .pdf

## 7 Images and figures

- `![image with caption](cultureacademy.png)` sets a figure with caption, added to lof



Figure 1: image with caption

- `![caption](cultureacademy.png) \` sets no caption, notice the \ at the end



## 8 Tables

### 8.1 Unlisted tables

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
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### 8.2 Listed tables

Listed tables are added to the List of Tables (lof)

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

Table: Caption for your table

Table 2: Table listed in List of Tables

Option	Description
data	path to data files to supply the data that will be passed into templates.

Option	Description
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

### 8.3 Tables with right aligned columns

```
| Option | Description |
| -----:| -----:|
| data   | path to data files to supply the data that will be passed into templates. |
| engine | engine to be used for processing templates. Handlebars is the default. |
| ext    | extension to be used for dest files. |
```

	Option	Description
	data	path to data files to supply the data that will be passed into templates.
	engine	engine to be used for processing templates. Handlebars is the default.
	ext	extension to be used for dest files.

## 9 Horizontal Lines

Separating lines are done by.

- ---
- \_\_\_\_\_
- \*\*\*

## 10 Definition lists

### 10.1 Definition list compact style

Term 1  
~ Definition 1

Term 2  
~ Definition 2a  
~ Definition 2b

results in:

**Term 1** Definition 1  
**Term 2** Definition 2a  
Definition 2b

### 10.2 Definition list with more meanings

#### 10.2.1 Definition with lazy continuation

Term 1

: Definition 1  
with lazy continuation.  
results in

**Term 1** Definition 1 with lazy continuation.

### 10.2.2 Definition with multiple lines

Term 2 with *\*inline markup\**

: Definition 2  
  
    { some code, part of Definition 2 }

    Third paragraph of definition 2.  
results in

**Term 2 with *inline markup*** Definition 2

    { some code, part of Definition 2 }  
    Third paragraph of definition 2.

## 11 Abbreviations

Abbreviations are only supported via multimarkdown or other extensions. This means, installing multimarkdown from repo or else and converting from markdown\_mmd instead. It's troublesome to make it work anyway. In this template, it **does not work!**

- define abbreviations file in frontmatter abbreviations: abbreviations.md
- install multimarkdown
- tell pandoc to convert from markdown\_mmd
- set up abbreviations.md like:

```
# --- abrevations.md ---
```

```
[+MMA]: Mixed Martial Arts
```

```
# --- end ---
```

and use in text like: [+MMA] is a fine art.

## 12 Citation

- [@author1999, 132] inserts citation, pagenumber is optional

»Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua.« ([Authorus 1999, 132](#))

### 12.1 Inline citation of authors

- as @ckw2025 stated ...

As Köhler-Warmbrunn ([2025](#)) stated: »Martial Arts & Combat Sports sind psycho-physische Körpertechnologien und als solche historisch soziokulturell bestimmt.«



## 13 Code snippets

- code like `fortune | cowsay` is enclosed in ‘
- code blocks are enclosed in fences, like below
- syntax highlighting can be achieved by adding the language name after the beginning of the block

```
``` bash
#!/bin/bash
# example code block
ps -aux | grep bash
```
```

results in

```
#!/bin/bash
# example code block
ps -aux | grep bash
```

## 14 Footnotes

### 14.1 Footnote by placeholder

This is a text with footnote<sup>1</sup>.

### 14.2 Footnote inline

A footnote can be done inline<sup>2</sup>.

### 14.3 File inclusion

- handled by `include-files.lua` plugin
- must be specified as command line parameter or in frontmatter
- handled best as fenced codeblock with `{.include}<file1><file2>`

This is text from the separate file `book-included.md`. The inclusion is handled by pandoc with plugin `include-files.lua`.

---

<sup>1</sup>by *placeholder*.

<sup>2</sup>faster, but maybe a little messy in the text to maintain an overview.

## 15 Bibliography

*The bibliography is added with the backmatter and needs a separate Headline apparently.*

Authorus, Author de. 1999. *An Example of Good Literature. Just the Best*. Routledge.

Köhler-Warmbrunn, Christian. 2025. *Körper, Geist Und Gewalt*. Culture Academy. [culture-academy.org](https://culture-academy.org).