

AGH Theme for Markdown Beamer Presentations



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Simple features of Pandoc Markdown for Beamer

Auto and manual slide splitting

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Auto and manual slide splitting

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Auto and manual slide splitting

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Basic Formatting

Bold text

This is **bold** text.

Italic text

This is *italic* text.

Blockquote

"This is a blockquote.

It can span multiple lines."

Links and footnotes

Pandoc documentation¹ is availible here: Link to Pandoc Documentation.



¹pandoc.org, accessed 15-01-2025

Lists

Unordered List

- Item 1
- Item 2 ► Sub-item 2.1
 - ► Sub-item 2.2

Ordered List

- Step 1
- 2 Step 2
 - 1 Sub-step 2.1
 - 2 Sub-step 2.2



Math and Equations



Inline Math

This is an example of inline math: $E = mc^2$.

Block Math

This is an example of block math:

$$\int_a^b f(x) \, dx = F(b) - F(a)$$

Code





return np.sin(x)

x = np.linspace(0, 2*np.pi, 100)



Collumns

Collumns

Slides can be split into columns.

Images are then scaled relative to the column width.



Figure 1: Alt Text





Figures, tables, references

Figures

Note that image size can be adjusted using the height and width parameters.

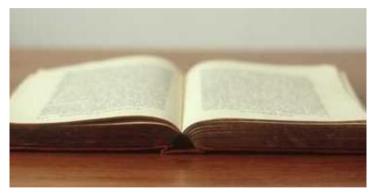


Figure 2: Alt Text



Tables

AG H

Table 1: Description of the table

Column 1	Column 2	Column 3
Row 1A Row 2A	Row 1B Row 2B	Row 1C Row 2C
ROW ZA	ROW 2D	Row 2C



Table 2: Other type of table

Animal	Liking
Cat	A lot
Dog	Much
Rabbit	Very
Hamster	Big



References

References



Figures (like fig. 2) and tables tbl. 1, can be referenced using the @ symbol. Bibliography entries can be referenced using the @ symbol followed by the citation key, like this: [7], [6], [3], [4], [2], [5], [1].

Note that one can omit the prefix using – before the @ symbol, e.g.: Figure 2 shows a sample image.



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Thank you for your attention

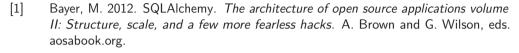


Questions?



Bibliography

Bibliography





- [2] Bradski, G. 2000. The OpenCV Library. *Dr. Dobb's Journal of Software Tools*. (2000).
- [3] GeoPandas: Python tools for geographic data: 2014. https://github.com/geopandas/geopandas. Accessed: 2025-01-08.
- [4] Harris, C.R. et al. 2020. Array programming with NumPy. *Nature*. 585, (2020), 357–362. DOI:https://doi.org/10.1038/s41586-020-2649-2.
- [5] Hunter, J.D. 2007. Matplotlib: A 2D graphics environment. *Computing in science & engineering*. 9, 3 (2007), 90–95.

Bibliography



- [6] McKinney, W. et al. 2010. Data structures for statistical computing in python. *Proceedings of the 9th python in science conference* (2010), 51–56.
- [7] Van Rossum, G. and Drake, F.L. 2009. Python 3 reference manual. CreateSpace.