

Some phd notes

Subtitle

pmc4

September 15, 2023

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Preface

A preface is normally written by the author, in which he includes reasons why he wrote the work in the first place, and perhaps to provide some more personal comments than would be justified in the body. A preface starts on the page immediately following a fore- word, or the lists.

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Acknowledgements

If any acknowledgments are required that have not already appeared in the preface, these may come next in sequence.

Part I

Part I title

1 | WIP title

LOREM IPSUM DOLOR SIT AMET, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Convallis convallis tellus id interdum velit laoreet. Dis parturient montes nascetur ridiculus. Faucibus interdum posuere lorem ipsum dolor sit amet. Erat imperdiet sed euismod nisi. Pellentesque id nibh tortor id. Lacus sed turpis tincidunt id.

Some margin notes that we write.
The template is inspired in
Tufte-book.

1.1. This is a section

For $x \ll 1$ one can approximate

$$\sin(x) \approx x \quad (1.1)$$

This is a table:

Table 1.1.: Test Table			
Default	Left	Right	Center
12	12	12	12
123	123	123	123
1	1	1	1

I can reference Equation 1.1 and Table 1.1. The output is correct, but I cannot autocomplete them in my extension.

In this template we also have some index entries and also the glossaries package. But that shouldn't be a problem. Since glossaries are compiled after quarto render with the tex output.

Here we cite [1].

1.2. Explanation of the project structure

- `_book` contains the output pdf
- `backmatter` contains the list of acronyms defined for the LaTeX package glossaries, the .bib file for references, the .csl for the citeproc style and a references.qmd file since we want to have all the references at the end of the book, not after every chapter.
- `fonts` contains the fonts used by the project

- `frontmatter` contains the chapters for the frontmatter of the template
- `latex` contains several `.tex` template partials and the style to be used by the `imakeidx` package
- `part1` contains a `p1.qmd` file which has the part title, a `p1chapters.qmd` file in which we include each different chapter of page 1. This way I don't have a really long `.yaml` file and can change the title of the chapter outside the chapter `.qmd` file. Finally, `ch999.qmd` is just a `.qmd` file that I include to restore the geometry of the `tex` file so we no longer use Tufte's style.
- `_quarto.yaml` is the usual `_quarto` file and `index.qmd` is the entry point. It includes the frontmatter chapters.
- `buildpdf.sh` is a shell script that I use when I want to render the acronym list of the `glossaries` package

References

- [1] A. Einstein, *The foundation of the general theory of relativity*, Annalen Phys. **49**, 769 (1916).

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