

Session 13/14: L^AT_EX/Markdown CV Workshop



P. S. Langeslag

31 January 2019

L^AT_EX

L^AT_EX Recommendations

Packages

- ▶ fullpage; or geometry to reduce margins
- ▶ longtable or ltablex for tables across page breaks
- ▶ enumitem to customize lists (e.g. spacing)
- ▶ fancyhdr for page headers
- ▶ hyperref for hyperlinks

Environments

- ▶ section
- ▶ tabularx
- ▶ enumerate, itemize
- ▶ multicols or minipage

L^AT_EX Challenges

Too Much Top-Margin on Title Page

- ▶ Use the `fullpage` package
- ▶ Use the `titling` package and `\setlength{\droptitle}{-12mm}`
- ▶ Or prepend e.g. `\vspace*{-12mm}` to your title

L^AT_EX Challenges

Too Much Top-Margin on Title Page

- ▶ Use the `fullpage` package
- ▶ Use the `titling` package and `\setlength{\droptitle}{-12mm}`
- ▶ Or prepend e.g. `\vspace*{-12mm}` to your title

Align Left in `tabularx`

```
\begin{tabularx}{\textwidth}{p{29mm}>{\raggedright  
\arraybackslash}X}
```

L^AT_EX Challenges

Too Much Top-Margin on Title Page

- ▶ Use the `fullpage` package
- ▶ Use the `titling` package and `\setlength{\droptitle}{-12mm}`
- ▶ Or prepend e.g. `\vspace*{-12mm}` to your title

Align Left in `tabularx`

```
\begin{tabularx}{\textwidth}{p{29mm}>{\raggedright  
\arraybackslash}X}
```

Hanging Indent in `tabularx`

```
\begin{tabularx}{\textwidth}{p{29mm} >{\hangindent1em  
\hangafter1\raggedright\arraybackslash}X}
```

L^AT_EX Challenges

itemize in tabularx

Enclose in minipage:

```
\begin{tabularx}{\textwidth}{lX}
  \begin{minipage}[t]{\linewidth}
    \begin{itemize}[nosep,after=\strut] % requires `enumitem`
      \item ... % package
    \end{itemize}
  \end{minipage}
\end{tabularx}
```

L^AT_EX Challenges

Set Font Size/Padding for Headings

Use the titlesec package:

```
\usepackage{titlesec}
```

```
\titleformat*{\section}{\Large\bfseries}
```

```
\titleformat*{\subsection}{\large\bfseries}
```

```
\titleformat*{\subsubsection}{\normalsize\bfseries\itshape}
```

Adjust size and style as required; see [WikiBooks](#).

Pandoc Markdown

Issue: Too Much Top-Margin on Title Page

Issue: Too Much Top-Margin on Title Page

▶ Prefix your title with `\vspace*{-25mm}` or similar:

```
% \vspace*{-2em}A Brief History of Thyme
```

Issue: Too Much Top-Margin on Title Page

- ▶ Prefix your title with `\vspace*{-25mm}` or similar:

```
% \vspace*{-2em}A Brief History of Thyme
```

- ▶ Or set titling options in your header-includes:

```
header-includes: |  
  \`\`\`{=latex}  
  \usepackage{titling}  
  \setlength{\droptitle}{-25mm}  
  
  \`\`\`
```

The latter also reduces the distance between title block elements.

Issue: Set Font Size/Padding for Headings

Issue: Set Font Size/Padding for Headings

Use the titlesec package:

header-includes: |

```
```\{=latex}  
\usepackage{titlesec}
\titleformat*{\section}{\Large\bfseries}
\titleformat*{\subsection}{\large\bfseries}
\titleformat*{\subsubsection}{\normalsize\bfseries\itshape}
```\
```

Adjust size and style as required; see [WikiBooks](#).

Issue: No Support for Borderless Tables

Pandoc's default \LaTeX template loads `booktabs`,
and Pandoc's table code relies on its rule commands.

Issue: No Support for Borderless Tables

Pandoc's default L^AT_EX template loads `booktabs`, and Pandoc's table code relies on its rule commands.

We can neutralize these commands in `header-includes` as follows:

```
header-includes: |
  \`\`{=latex}
  \renewcommand{\toprule}{}
  \renewcommand{\midrule}{}
  \renewcommand{\bottomrule}{}
  \`\`\`
```


Issue: No Support for Borderless Tables

In some use cases, definition lists may be preferable:

2023

: BSc Exolinguistics, Starfleet Academy

2019

: MA English Philology, Göttingen University

Issue: Column Support Only Available in beamer

Use `header-include` to load the `multicol` L^AT_EX package.

Issue: Column Support Only Available in beamer

Use `header-includes` to load the `multicol` \LaTeX package.

\LaTeX environments like `multicols` only take \LaTeX formatting, unless you clone the `\begin` and `\end` commands along these lines:

```
header-includes: |
  ````{=latex}
 \usepackage{multicol}
 \newcommand{\stealth}[1]{#1}
 \stealth{
 \let\Begin\begin
 \let\End\end
 }
 ...
```

Then use `\Begin{multicols}{2}` and `\End{multicols}`; you can now use Markdown inside the `multicols` environment.

## Recommended Reading

Cone, Matt. *Markdown Guide*. Accessed January 6, 2019.

<https://www.markdownguide.org>.

“LaTeX,” n.d. <https://en.wikibooks.org/wiki/LaTeX>.

MacFarlane, John. “Pandoc User’s Guide.” Accessed January 6, 2019.

<http://pandoc.org/MANUAL.html>.