Documentation for the `latex-simple` package

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Abstract Documentation for `latex-simple` Package.

To ensure that line numbering works correctly with display math mode, please do *not* use TEX primitives such as `$$` and `eqnarray`. (Using these is not good practice anyway.)[1][2] Please use LATEX equivalents such as `\[ ... \]` (or `\begin{equation} ... \end{equation}`) and the `align` environment from the `amsmath` package.[3]

1 References

Authors may use any citation style as long as it is consistent throughout the document. By default, we propose the style defined in 'latex-simple.bst' which uses `natbib/bibtex`, which can be used by including the following at the end of the document:

```
\bibliography{references}
\bibliographystyle{latex-simple}
```

where 'latex-simple' refers to the file 'latex-simple.bst' and references to 'references.bib', a BibTeX file containing bibliographical entries.

You may create a parenthetical reference with `\citep`, such as appears at the end of this sentence (Mitchell, 2003). You may create a textual reference using `\citet`, as Mitchell (2003) also demonstrated.

2 Tables

We recommend the `booktabs` package for creating tables, as demonstrated in Table 1. Note that we recommend that tables are centered, that captions appear *above* the tables, and that horizontal rules are placed above and below the table and after the column names. However, horizontal lines for each row are not recommended and vertical rules are discouraged.

[1] `https://tex.stackexchange.com/questions/196/eqnarray-vs-align`
[2] `https://tex.stackexchange.com/questions/503/why-is-preferable-to`
[3] `http://tug.ctan.org/info/short-math-guide/short-math-guide.pdf`

Table 1: An example table using the `booktabs` package.

	Metric	
Method	Accuracy	Time
Baseline	10	100
Our method	100	10

(a) Subfigure caption.

(b) Another subfigure caption.

Figure 1: An example figure with subfigures. (a): left figure. (b): right figure.

3 Figures and subfigures

The `latex-simple` style loads the `subcaption` package, which may be used to create and caption subfigures. Please note that this is *incompatible* with the (obsolete and deprecated) `subfigure` package. A figure with subfigures is demonstrated in Figure 1. Note that figure captions appear *below* figures.

Please ensure that all text appearing in figures (axis labels, legends, etc.) is legible and be mindful of the use of colour: favour palettes that are colour-blind friendly and legible if printed in black/white.

4 Pseudocode

To add pseudocode, you may make use of any package you see fit—the `latex-simple` package should be compatible with any of them. In particular, you may want to check out the `algorithm2e`[4] and/or the `algorithmicx`[5] packages, both of which can produce nicely typeset pseudocode. You may also wish to load the `algorithm`[6] package, which creates an `algorithm` floating environment you can access with `\begin{algorithm} ... \end{algorithm}`. This environment supports `\caption{}`, `\label{}` and `\ref{}`, etc.

5 Adding acknowledgments

You may add acknowledgments of funding, etc. using the `acknowledgments` environment. Acknowledgments will be automatically commented out at submission time. An example is given below in the source code for this document; it will be hidden in the PDF unless the `final` option is given.

Acknowledgements. Thank y'all!

References

Mitchell, M. *Maria Mitchell: Life, Letters, and Journals by Maria Mitchell.* Project Gutenberg, 2003. URL `https://www.gutenberg.org/ebooks/10202`.

[4] `https://ctan.org/pkg/algorithm2e`
[5] `https://ctan.org/pkg/algorithmicx`
[6] `https://ctan.org/pkg/algorithms`

A Proof of theorem 1

This material will be hidden if `hidesupplement` is provided.