

LaPreprint:

A Preprint Template for L^AT_EX

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✉ For correspondence:

<https://github.com/roaldarbøl/LaPreprint/issues> (MRA)

^{†‡§}Here's a few symbols to denote contribution specifics, e.g. authors who contributed equally to the work.

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Data availability: Data availability statement. Preprocessed data could be available e.g. on [Zenodo](#).

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Competing interests: The author declare no competing interests.

Abstract

Let's begin with some great papers for those interested in radically improving the scientific infrastructure (**Pooley2021; Bezuidenhout2021; Brembs2021**). Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Introduction

Use `\section` and `\subsection` commands to organize your document. L^AT_EX handles all the formatting automatically. Use `\label` and `\nameref` commands for cross-referencing sectional headings: the usual `\ref` will not work, as this template uses unnumbered sectional headings.

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Figures and Tables

Use the `table` and `tabular` commands for basic tables — see **??**, for example. For tables, I recommend that you use a separate `.tex` file for each table and insert it using `\input{mytable.tex}`.

You can upload a figure (JPEG, PNG or PDF) using the project menu. To include it in your document, use the `\includegraphics` command as in the code for **??**.

Really wide figures or tables, that take up the entire page, including the gutter space: use `\begin{fullwidth}...\end{fullwidth}` as in **??**. And sometimes you may want to use feature boxes like **??**.

Citations and notes

LaTeX formats citations and references automatically using the bibliography records in your `.bib` file. Use the `\cite` command for an inline citation, like **Pooley2021**, and the `\parencite` command

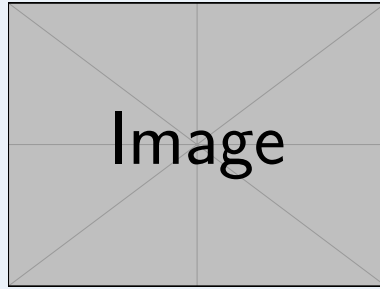


Figure 1. Photo of lovely Brighton by Alex Ovs on Unsplash. As a very wide figure that takes up the entire page, including the gutter space. **Figure 1—figure supplement 1.** There is no limit on the number of Figure Supplements for any one primary figure. Each figure supplement should be clearly labelled, Figure 1–Figure Supplement 1, Figure 1–Figure Supplement 2, Figure 2–Figure Supplement 1 and so on, and have a short title (and optional legend). Figure Supplements should be referred to in the legend of the associated primary figure, and should also be listed at the end of the article text file.

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Box 1. This is an example feature box

This is a feature box. It floats!



Box 1—figure 1. ‘Figure’ and ‘table’ captions in feature boxes should be entered with `\featurefig` and `\featuretable`. They’re not really floats.

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for a citation in parentheses (**Brembs2021**). Side notes makes good use of the empty margin and can be used ewith the `\sidenote` command. ¹

Mathematics

\LaTeX is great at typesetting mathematics *abc*. Let X_1, X_2, \dots, X_n be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i X_i \quad (1)$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.

You can even get extra fancy and annotate your equations directly:

independent and identically distributed random variables

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i X_i \quad (2)$$

a random variable

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73 **Other Chemistry Niceties**

74 You can use commands from the `mhchem` and `siunitx` packages. For example: $\text{C}_{32}\text{H}_{64}\text{NO}_7\text{S}$; 5 μm ;
75 30 °C; $5 \times 10^{-17} \text{ M}$

76 **Lists**

77 You can make lists with automatic numbering ...

- 78 1. Like this,
- 79 2. and like this.

80 ...or bullet points ...

- 81 • Like this,
- 82 • and like this.

83 ...or with words and descriptions ...

84 **Word** Definition

85 **Concept** Explanation

86 **Idea** Text

87 Some filler text, because empty templates look really poorly. Lorem ipsum dolor sit amet, con-
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97 **Methods & Materials**

98 **Behavioural setup**

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105 **Electrophysiological setup**

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Figure 2. A text-width example.

Figure 2—figure supplement 1. Shorter caption for main text.

Figure 2—figure supplement 2. This is another supplementary figure.

Figure 2—video 1. This is a description of a video supplement.

Figure 2—source data 1. This is a description of a data source.

Figure 2—source data 2. This is another description of a data source.

Figure 2—source code 1. This is a description of a source code.

Table 1. Automobile Land Speed Records (GR 5-10).

Speed (mph)	Driver	Car	Engine	Date
407.447	Craig Breedlove	Spirit of America	GE J47	8/5/63
413.199	Tom Green	Wingfoot Express	WE J46	10/2/64
434.22	Art Arfons	Green Monster	GE J79	10/5/64
468.719	Craig Breedlove	Spirit of America	GE J79	10/13/64
526.277	Craig Breedlove	Spirit of America	GE J79	10/15/65
536.712	Art Arfons	Green Monster	GE J79	10/27/65
555.127	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/2/65
576.553	Art Arfons	Green Monster	GE J79	11/7/65
600.601	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/15/65
622.407	Gary Gabelich	Blue Flame	Rocket	10/23/70
633.468	Richard Noble	Thrust 2	RR RG 146	10/4/83
763.035	Andy Green	Thrust SSC	RR Spey	10/15/97

Source: https://www.sedl.org/afterschool/toolkits/science/pdf/ast_sci_data_tables_sample.pdf

Table 1—source data 1. This is a description of a data source.

Table 1—source code 1. This is a description of a source code.

Results

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Discussion

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Acknowledgment

This preprint was created using the LaPreprint template (<https://github.com/roaldarbol/lapreprint>) by Mikkel Roald-Arbøl .

Author contributions

Consider using a contribution table for clarity. I may add it later. Conceptualization: E.S., B.H.; Methodology: B.H.; Software: B.H.; Validation: S.R.; Formal analysis: S.R.; Investigation: E.S.; Resources: B.H.; Writing - original draft: E.S.; Writing - review & editing: S.R., B.H.; Visualization: S.R.; Supervision: B.H.; Project administration: B.H.; Funding acquisition: B.H.

Supplementary

Insert the supplementary text here.

TTT, by Piet Hein

Problems worthy
of attack
prove their worth
by hitting back.

Put up in a place
where it's easy to see
the cryptic admonishment
T.T.T.

When you feel how depressingly
slowly you climb,
it's well to remember that
Things Take Time.

The road to wisdom? - Well, it's plain
and simple to express:
Err
and err
and err again
but less
and less
and less.



Appendix 1—figure 1. This is a figure in the appendix

205 Appendix 2

206 Key resources

207 Here could be a nice table of your resources.

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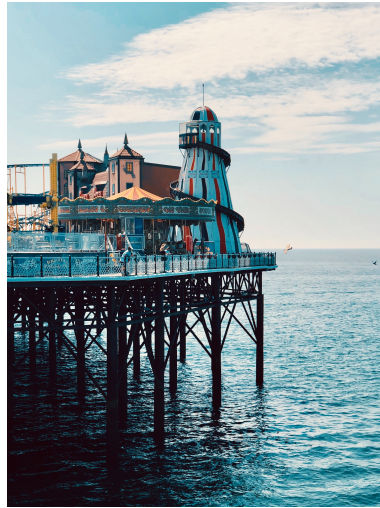


Figure 1—figure supplement 1. There is no limit on the number of Figure Supplements for any one primary figure. Each figure supplement should be clearly labelled, Figure 1–Figure Supplement 1, Figure 1–Figure Supplement 2, Figure 2–Figure Supplement 1 and so on, and have a short title (and optional legend). Figure Supplements should be referred to in the legend of the associated primary figure, and should also be listed at the end of the article text file.

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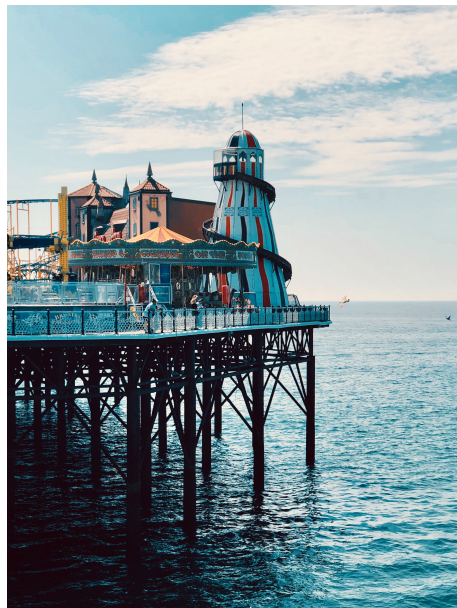


Figure 2—figure supplement 1. This is a supplementary figure’s full caption, which will be used at the end of the manuscript.

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Figure 2—figure supplement 2. This is another supplementary figure.