

1 Template for preparing your research report 2 submission to PeerJ using RMarkdown

3 **Barbara McClintock¹ and Charles E. Darwin²**

4 ¹**Cold Spring Harbor Laboratory, One Bungtown Road Cold Spring Harbor, NY 11724**

5 ²**Down House, Luxted Rd, Downe, Orpington BR6 7JT, UK**

6 Corresponding author:

7 Barbara McClintock¹

8 Email address: `mcclintockb@cshl.edu`

9 **ABSTRACT**

10 The abstract of the article. It can also be on *multiple* lines.

11 **INTRODUCTION**

12 Your introduction goes here! Some examples of commonly used commands and features are listed below,
13 to help you get started.

14 If you have a question, please use the help menu in the top right of the screen to get in touch. When
15 your article or pre-print is complete, use the “Submit to PeerJ” button in the topbar to send your files to
16 PeerJ.

17 **About PeerJ**

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19 provides authors with three publication venues: *PeerJ* and *PeerJ Computer Science* (peer-reviewed
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24 lifetime ability to publish 1 article per year for free. Publication in PeerJ PrePrints is entirely free.

25 **SOME L^AT_EX EXAMPLES**

26 Use section and subsection commands to organize your document. L^AT_EX handles all the formatting and
27 numbering automatically. Use `ref` and `label` commands for cross-references.

28 **Figures and Tables**

29 Use the `table` and `tabular` commands for basic tables — see Table @ref(tab:widgets), for example. You
30 can upload a figure (JPEG, PNG or PDF) using the project menu. To include it in your document, use the
31 `includegraphics` command as in the code for Figure @ref(fig:view) below.

32 Standard L^AT_EX references will work as well (e.g. Fig. 1).

Table 1. (#tab:widgets) An Example Table.

Item	Quantity
Widgets	42
Gadgets	13



Figure 1. An example image.

Citations

LaTeX formats citations and references automatically using the bibliography records in your .bib file, which you can edit via the project menu. Use the cite command for an inline citation, like Figueredo and Wolf (2009), and the citep command for a citation in parentheses (Figueredo and Wolf 2009).

Mathematics

LaTeX is great at typesetting mathematics. 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

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

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

Lists

You can make lists with automatic numbering ...

1. Like this,
2. and like this.

or bullet points...

- Like this,
- and like this.

or with descriptions...

- **Word** Definition
- **Concept** Explanation
- **Idea** Text

We hope you find writeLaTeX useful for your PeerJ submission, and please let us know if you have any feedback. Further examples with dummy text are included in the following pages.

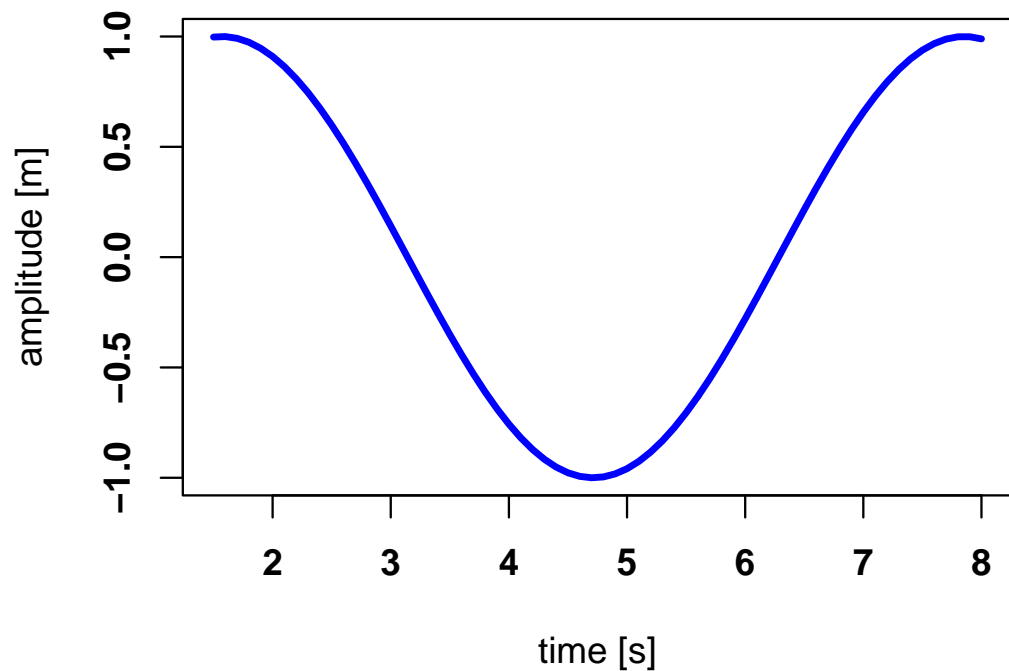


Figure 2. In-text Picture

55 METHODS

56 This is an equation inserted using LaTeX syntax directly.

$$\cos^3 \theta = \frac{1}{4} \cos \theta + \frac{3}{4} \cos 3\theta \quad (1)$$

57 You can also use `$$. . $$` to achieve the same

$$\cos^3 \theta = \frac{1}{4} \cos \theta + \frac{3}{4} \cos 3\theta$$

58 Subsection

59 Use `{-}` after a header section so that it is unnumbered.

60 **Paragraph** Header level 4 are equivalent to `\paragraph{}`

61 Subsection

62 You can insert figure using R code chunk with different options

63 You can reference figure if you use **bookdown** format extensions as shown in YAML header

64 RESULTS AND DISCUSSION

65 This is another section

66 **Subsection**

67 Which shows level 2

68 **Subsubsection**

69 And level 3 headers

70 **Subsubsection**

71 with multiple subsubsections

72 **Subsection**

73 and subsections

74 **ACKNOWLEDGMENTS**

75 So long and thanks for all the fish.

76 **REFERENCES**

77 Figueredo, Aurelio José, and Pedro S. A. Wolf. 2009. "Assortative Pairing and Life History Strategy."
78 *Human Nature* 20 (3): 317–30. <https://doi.org/10.1007/s12110-009-9068-2>.