

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

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## 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<sup>A</sup>T<sub>E</sub>X EXAMPLES**

26 Use section and subsection commands to organize your document. L<sup>A</sup>T<sub>E</sub>X 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<sup>A</sup>T<sub>E</sub>X 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.

33 **Citations**

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

37 **Mathematics**

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

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

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

42 **Lists**

43 You can make lists with automatic numbering ...

- 44 1. Like this,  
45 2. and like this.

46 or bullet points...

- 47 • Like this,  
48 • and like this.

49 or with descriptions...

- 50 • **Word** Definition  
51 • **Concept** Explanation  
52 • **Idea** Text

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

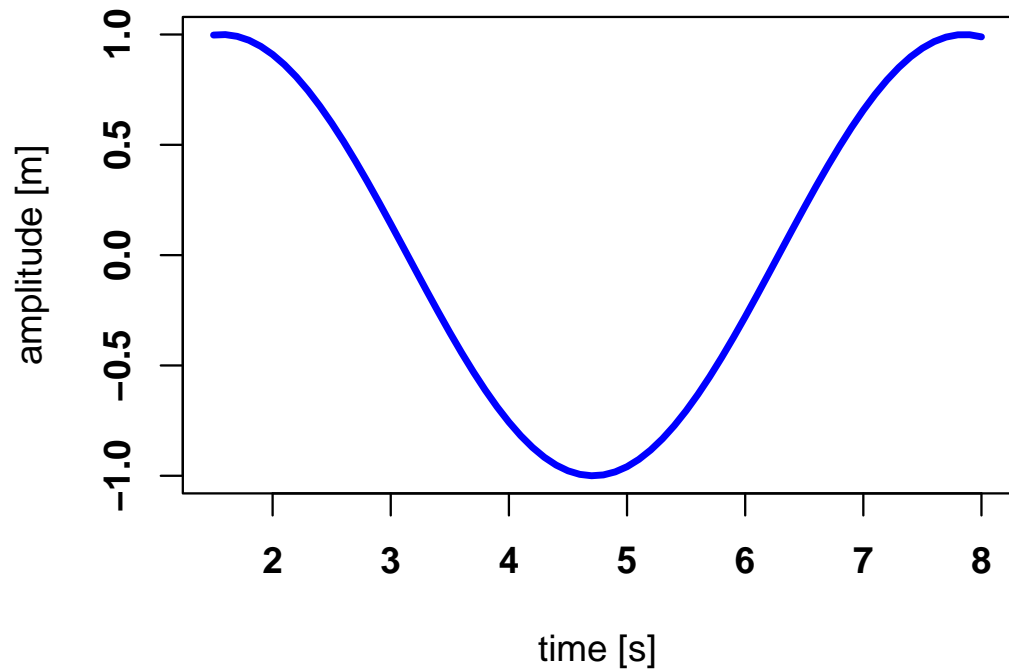


Figure 2. In-text Picture

## 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>.