

PREPRINT

# Title goes here

Author One<sup>1</sup> and Author Two<sup>2</sup>

<sup>1</sup>Department, University, Country.

<sup>2</sup>Department, University, Country. E-mail: [username@example.com](mailto:username@example.com).

**Keywords:** keyword1, keyword2, keyword3

## Abstract

Abstracts should be 250 words. It must be able to stand alone and so cannot contain citations to the paper's references, equations, etc. An abstract must consist of a single paragraph and be concise. Because of online formatting, abstracts must appear as plain as possible.

## Plain Language Summary

A plain language summary should be written in accessible terms for non-specialist readers. It is typically 150–200 words and explains the purpose of the study, the approach used, and the key findings without technical jargon, equations, or references. The summary should be clear, concise, and free of abbreviations or specialised terminology so that it can be understood by the general public, policymakers, and researchers in other disciplines.

## 1. Insert A head here

This demo file is intended to serve as a “starter file”. It is for preparing manuscript submission only, not for preparing camera-ready versions of manuscripts. Manuscripts will be typeset for publication by the journal, after they have been accepted.

By default, this template uses `bibtex` and adopts the AMS referencing style. However, the journal you’re submitting to may require a different reference style; specify the journal you’re using with the class’ `journal` option — see lines 1–19 of *Sample.tex* for a list of options and instructions for selecting the journal.

Overleaf will run `pdflatex` and `bibtex` automatically as needed. But if you had *first* compiled using another `journal` option that adopts `biblatex`, and *then* change the `journal` option to one that adopts `BibTeX`, you may get some compile error messages instead. In this case you will need to do a ‘Recompile from scratch’; see [https://www.overleaf.com/learn/how-to/Clearing\\_the\\_cache](https://www.overleaf.com/learn/how-to/Clearing_the_cache).

On a local  $\text{\LaTeX}$  installation, you would need to run these steps instead:

1. Delete `sample.aux`, `sample.bbl` if these files from a previous compile using `biber` still exist.
2. `pdflatex sample`
3. `bibtex sample`
4. `pdflatex sample`
5. `pdflatex sample`

Some journals e.g. `journal=wet` require `biblatex`. For such journals, you will need to

- uncomment the existing `\addbibresource{example.bib}`;
- change the existing `\bibliography{example}` to be `\printbibliography` instead.

If you are submitting to a journal that uses `biblatex` and using this template on Overleaf, Overleaf’s build tool will automatically run `pdflatex` and `biber`. If you are compiling this template on your own local  $\text{\LaTeX}$  installation, please execute the following commands:

1. `pdflatex sample`
2. `biber sample`
3. `pdflatex sample`
4. `pdflatex sample`

### 1.1. Insert B head here

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

#### 1.1.1. Insert C head here

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

### Insert D head here

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio

47 placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis  
48 tortor vitae risus porta vehicula.

## 49 **2. Insert A head here**

### 50 **2.1. Insert B head here**

#### 51 **2.1.1. Insert C head here**

52 Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit  
53 amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis.  
54 Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat  
55 quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae  
56 risus porta vehicula.<sup>1</sup>

## 57 **3. Equations**

58 Equations in  $\LaTeX$  can either be inline or on-a-line by itself. For inline equations use the  $\$. . \$$  commands. Eg:  
59 The equation  $H\psi = E\psi$  is written via the command  $H\psi = E\psi$ .

For on-a-line by itself equations (with auto generated equation numbers) one can use the equation or eqnarray environments  $D$ .

$$\mathcal{L} = i\psi\gamma^\mu D_\mu\psi - \frac{1}{4}F_{\mu\nu}^a F^{a\mu\nu} - m\psi\psi \quad (3.1)$$

where,

$$\begin{aligned} D_\mu &= \partial_\mu - ig\frac{\lambda^a}{2}A_\mu^a \\ F_{\mu\nu}^a &= \partial_\mu A_\nu^a - \partial_\nu A_\mu^a + gf^{abc}A_\mu^b A_\nu^a \end{aligned} \quad (3.2)$$

Notice the use of `\nonumber` in the align environment at the end of each line, except the last, so as not to produce equation numbers on lines where no equation numbers are required. The `\label{}` command should only be used at the last line of an align environment where `\nonumber` is not used.

$$Y_\infty = \left(\frac{m}{\text{GeV}}\right)^{-3} \left[1 + \frac{3\ln(m/\text{GeV})}{15} + \frac{\ln(c_2/5)}{15}\right] \quad (3.3)$$

60 The class file also supports the use of `\mathbb{}`, `\mathscr{}` and `\mathcal{}` commands. As such `\mathbb{R}`,  
61 `\mathscr{R}` and `\mathcal{R}` produces  $\mathbb{R}$ ,  $\mathscr{R}$  and  $\mathcal{R}$  respectively.

## 62 **4. Figures**

63 As per the  $\LaTeX$  standards eps images in `latex` and `pdf/jpg/png` images in `pdflatex` should be used. This is one of  
64 the major differences between `latex` and `pdflatex`. The images should be single page documents. The command  
65 for inserting images for `latex` and `pdflatex` can be generalized. The package that should be used is the `graphicx`  
66 package.

## 67 **5. Tables**

68 Tables can be inserted via the normal table and tabular environment. To put footnotes inside tables one has to use  
69 the additional “`fntable`” environment enclosing the tabular environment. The footnote appears just below the table  
70 itself.

---

<sup>1</sup>This is sample for footnote this is sample for footnote this is sample for footnote this is sample for footnote this is sample for footnote.

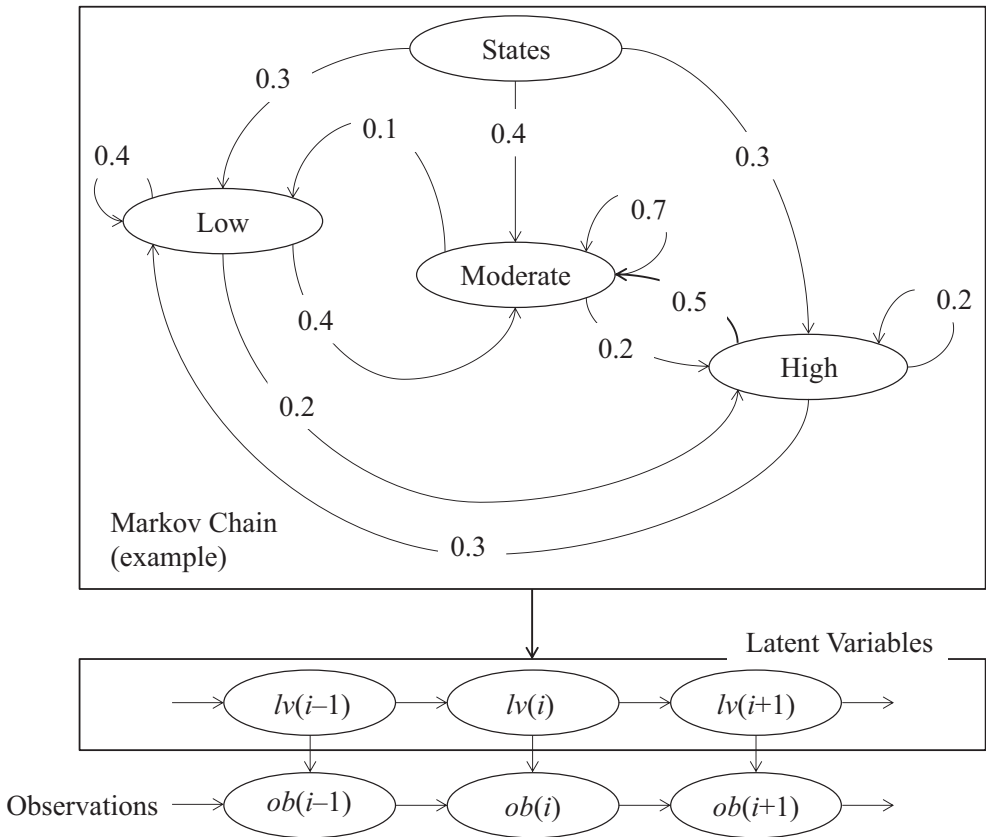


Figure 1: This is a widefig. This is an example of long caption this is an example of long caption this is an example of long caption this is an example of long caption

Projectile	Element 1			Element 2 <sup>1</sup>		
	Energy	$\sigma_{calc}$	$\sigma_{expt}$	Energy	$\sigma_{calc}$	$\sigma_{expt}$
Element 3	990 A	1168	$1547 \pm 12$	780 A	1166	$1239 \pm 100$
Element 4	500 A	961	$922 \pm 10$	900 A	1268	$1092 \pm 40$

Note: This is an example of table footnote this is an example of table footnote this is an example of table footnote this is an example of table footnote this is an example of table footnote

<sup>1</sup>This is an example of table footnote

Table 1: Tables which are too long to fit, should be written using the “table\*” environment as shown here

## 6. Cross referencing

Environments such as figure, table, equation, align can have a label declared via the `\label{#label}` command. For figures and table environments one should use the `\label{}` command inside or just below the `\caption{}` command. One can then use the `\ref{#label}` command to cross-reference them. As an example, consider the label declared for Figure 1 which is `\label{fig1}`. To cross-reference it, use the command `Figure \ref{fig1}`, for which it comes up as “Figure 1”. The reference citations should be used as per the “natbib” packages. Some sample citations: (Sellers 1969).

## 78 7. Lists

79 List in  $\text{\LaTeX}$  can be of three types: enumerate, itemize and description. In each environments, new entry is added  
80 via the `\item` command. Enumerate creates numbered lists, itemize creates bulleted lists and description creates  
81 description lists.

- 82 1. First item in the number list.
- 83 2. Second item in the number list.
- 84 3. Third item in the number list.

85 List in  $\text{\LaTeX}$  can be of three types: enumerate, itemize and description. In each environments, new entry is added  
86 via the `\item` command.

- 87 • First item in the bullet list.
- 88 • Second item in the bullet list.
- 89 • Third item in the bullet list.

## 90 A. Appendix. Title for Appendix Section

91 Appendix text here.

## 92 B. Conclusion

93 Some Conclusions here.

94 **Acknowledgments.** We are grateful for the technical assistance of A. Author.

95 **Funding Statement.** This research was supported by grants from the <funder-name><doi>(<award ID>); <funder-  
96 name><doi>(<award ID>).

97 **Competing Interests.** A statement about any financial, professional, contractual or personal relationships or situations that could  
98 be perceived to impact the presentation of the work — or ‘None’ if none exist

99 **Code and Data Availability Statement.** A statement about how to access data, code and other materials allowing  
100 users to understand, verify and replicate findings — e.g. Replication data and code can be found in Harvard Dataverse:  
101 `\url{https://doi.org/link}`. This manuscript was prepared using  $\text{\LaTeX}$  (<https://www.latex-project.org>) on Overleaf (<https://www.overleaf.com>) with the `cam-modern` template (<https://github.com/p3jtnath/cam-modern>), derived from the Cambridge  
102 University Press CUP–JNL–DTM class (<https://www.overleaf.com/latex/templates/cup-data-template/kwrskzvmfxbq>).

103 **Ethical Standards.** The research meets all ethical guidelines, including adherence to the legal requirements of the study country.

104 **LLM Usage.** A statement about LLM Usage — e.g. The authors acknowledge the use of AI language models, specifically Chat-  
105 GPT (GPT-5 Thinking mini and GPT-4o <https://chatgpt.com>), during the preparation of this work. These tools were used to polish  
106 language usage and improve the overall clarity of the manuscript, as well as to assist with designing plotting code for the graphs.  
107 All AI-generated content was reviewed, verified, and edited by the authors to ensure accuracy and appropriateness.

108 **Author Contributions.** Please provide an author contributions statement using the CRediT taxonomy roles as a guide  
109 `\url{https://www.casrai.org/credit.html}`. Conceptualization: A.A; A.B. Methodology: A.A; A.B. Data curation: A.C.  
110 Data visualisation: A.C. Writing original draft: A.A; A.B. All authors approved the final submitted draft.

## 112 References

113 **Sellers WD** (1969) A Global Climatic Model Based on the Energy Balance of the Earth-Atmosphere System. en, 6 April 8(3),  
114 Section: Journal of Applied Meteorology and Climatology, 392–400. issn: 1520-0450. [https://journals.ametsoc.org/view/journals/apme/8/3/1520-0450\\_1969\\_008\\_0392\\_agcmbo\\_2\\_0\\_co\\_2.xml](https://journals.ametsoc.org/view/journals/apme/8/3/1520-0450_1969_008_0392_agcmbo_2_0_co_2.xml) (accessed 6 April 2025).