

EPS LaTeX Workshop

Exercise 1: Basics

Objective: Adapt a template and practice several basic LaTeX commands using the eLife template found at:

<https://www.overleaf.com/latex/templates/elife-latex-template/csqtykvsnyxm>
or
<http://ucblib.link/2St>

1. Click “Open as Template”
2. Replace the first author with your own name
3. Add a new section labeled Practice
4. Add the following paragraph under that section:

For rainfall a threshold of >1 mm/hr was used; for modeled OLR a threshold of <167 W/m², equivalent to a SEVIRI T_B of <233 K (-40 °C) using equation 1, was used.

It has previously been shown that MCSs account for about 90% of the rainfall in the central Sahel.

Source: <https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2018EA000491>

5. Make a numbered list of four items, for example, California Road Trip destinations:
 - a. Yosemite
 - b. Big Sur
 - c. Lake Tahoe
 - d. Death Valley

Commands we learned:

`\section{} \%, $...$`

Degree can be represented several ways:

`$^\circ$ OR \textcelsius\ OR \si{degree}`

Subscripts and superscripts are written using the symbols `^` and `_`

New environment needed:

`\begin{enumerate}...\end{enumerate}`

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Exercise 2: Tables

Objective: Learn the basic commands to create and edit tables.

1. Add a row to the pre-existing table, after Andy Green's entry and before the bottom line.
 - a. Speed: 398.954
 - b. Driver: Jessi Combs
 - c. Car: NA Eagle Project
 - d. GE LM1500
 - e. October 9, 2013
2. Add a new column labeled "Weather" and align the text in that column right.

Commands we learned:

& = column separator

\\ = begin new row

l, r, c = column alignment; s = center SI units

Exercise 3: Bibliographies

Objective: Learn to sync or upload a .bib file, use basic citation commands, and add a bibliography to an article template.

Adding References

- Option 1: Add References from Zotero or Mendeley
 - Sync your Zotero/Mendeley account
 - Under "Account," go to "Account Settings"
 - Scroll down to view integration options for Mendeley, Zotero (and also Github and Dropbox)
 - For more information, consult Overleaf's help:
<https://www.overleaf.com/blog/639-tip-of-the-week-overleaf-and-reference-managers>

OR

- Option 2: Upload .bib file
 - Use your own or use examples.bib at: bit.ly/2NawV25
 - Upload via Add Files→upload

Adding a bibliography

- Swap the sample bibliography with your own .bib file or your synced Zotero/Mendeley account.
- Replace the "elife-sample" in the command: `\bibliography{elife-sample}` with the name of your imported .bib file.

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- Add this command in the body to see the full set of references (best for brief bibliographies).

```
\printbibliography  
\nocite{*}
```

Citation commands

Add a citation to the text of the document, using the citation command:

```
• \cite{example}
```

Tip: You may need to refresh your browser before you can use the `\cite{}` auto-complete feature.