



# Collaborative Writing and Publishing with $\text{\LaTeX}$ on Overleaf

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# What's with the ducks?!



Rubber Duck Debugging: <https://www.overleaf.com/blog/274>





- 1 Introduction to  $\text{\LaTeX}$
- 2 Introduction to Overleaf
- 3 Getting More Out of Overleaf





- 1 Introduction to  $\text{\LaTeX}$
- 2 Introduction to Overleaf
- 3 Getting More Out of Overleaf



*(I hope this doesn't happen to anyone, really...)*







- ▶ It makes beautiful documents
  - ▶ *Structured, consistently formatted* documents
  - ▶ It's easy to spot a  $\text{\LaTeX}$  document in a pile of Word docs
- ▶ It was created by scientists, for scientists
  - ▶ *Complex* documents (cross-references, citations, etc.)
  - ▶ A large and active community
- ▶ It's powerful; you can extend it
  - ▶ Packages for papers, presentations, spreadsheets, ...
  - ▶ (This deck was made with  $\text{\LaTeX}$ !)



# Where do I get it from?



**Online** Overleaf ☺

**Windows** MikTeX, TeX Live

**GNU/Linux** TeX Live

**Mac** MacTeX (based on TeX Live)

**Editors** vi, emacs, Texmaker, TeXworks, Texstudio, TeXshop,  
TeXnicCenter, Sublime Text...



- ▶ You write your document in plain text with *commands* that describe its structure and meaning
- ▶ The latex engine processes your text and commands to produce a beautifully formatted document.

The rain in Spain falls `\emph{mainly}` on the plain



The rain in Spain falls *mainly* on the plain





## Structured Documents





```
% First LaTeX file!
% (I'm just a comment)
\documentclass{article}

\title{Your Title}
\author{Your Name}

\begin{document}
\maketitle

\tableofcontents

\section{Section Title}
Hello World!
\end{document}
```

Your Title

Your Name

September 15, 2016

## Contents

1	Section Title	1
---	---------------	---

### 1 Section Title

Hello World! This is some text to show how paragraphs work. This is some text to show how paragraphs work. This is some text to show how paragraphs work. This is some text to show how paragraphs work.

This is some text to show how paragraphs work. This is some text to show how paragraphs work.



```
\section{Introduction}
```

This is the Introduction.  
We'll discuss some case  
studies in section

```
\ref{sec:cases}.
```

```
\section{Background}
```

This is just some filler  
information.

```
\subsection{Case Studies}
```

```
\label{sec:cases}
```

Yep, what we've all been  
waiting for!

## Contents

1	Introduction	1
2	Background	1
2.1	Case Studies . . . . .	1

## 1 Introduction

This is the Introduction. We'll discuss some case studies in section 2.1.

## 2 Background

This is just some filler information.

### 2.1 Case Studies

Yep, what we've all been waiting for!





Text formatting





This is `\textbf{bold}`.

This is `\emph{italic}` and so is `\textit{this}`.

This is `\textsf{sans serif}`,  
this is `\texttt{monospaced}`.

This is `{\Large Large}`, this is `{\scriptsize scriptsize}-d`.

This is **bold**.

This is *italic* and so is *this*.

This is sans serif, this is monospaced.

This is **Large**, this is scriptsize-d.



```
\begin{itemize}  
\item Bullet 1  
\item Bullet 2  
\end{itemize}
```

- ▶ Bullet 1
- ▶ Bullet 2

```
\begin{enumerate}  
\item Number one  
\item Number two  
\end{enumerate}
```

1. Number one
2. Number two





## Citations and Bibliography



- ▶ A friend of  $\text{\LaTeX}$  for processing citations and references
- ▶ Keep a reference database in a `.bib` file
- ▶ Only entries that has been cited in a document will get listed in the references
- ▶ Like EndNote (but more flexible, IMHO)



# How does a .bib file look like?



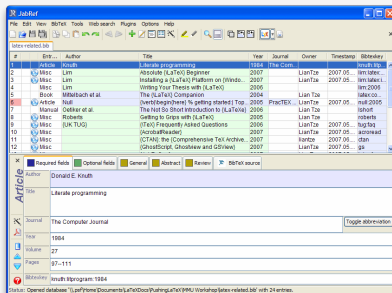
```
@article{knuth:1984,  
  author = {Donald E. Knuth},  
  title = {Literate programming},  
  journal = {The Computer Journal},  
  year = {1984},  
  volume = {27},  
  number = {2},  
  pages = {97--111},  
  address = {Oxford, UK},  
  publisher = {Oxford University Press}  
}
```



# I have to type all that?!



- You can use JabRef (<http://jabref.sourceforge.net>)



- Or grab the entries from Google Scholar
- Or export them from Mendeley/Zotero/EndNote...



```
\cite{latex:companion} is a useful book. Knuth introduced
the literate programming paradigm while developing \TeX{}
\cite{knuth:1984}.
```

```
\bibliographystyle{IEEEtran}
\bibliography{latex-related}
```

[1] is a useful book. Knuth introduced the literate programming paradigm while developing T<sub>E</sub>X [2].

- [1] F. Mittelbach, M. Goossens, J. Braams, D. Carlisle, and C. Rowley, *The L<sup>A</sup>T<sub>E</sub>X Companion*, 2nd ed., ser. Addison-Wesley Series on Tools and Techniques for Computer Typesetting. Boston, MA, USA: Addison-Wesley, 2004.
- [2] D. E. Knuth, “Literate programming,” *The Computer Journal*, vol. 27, no. 2, pp. 97–111, 1984.



1. `pdflatex yourfile`
2. `bibtex yourfile`
3. `pdflatex yourfile`
4. `pdflatex yourfile`
5. `pdflatex yourfile`

There are tools (*hint, hint*) to run these automatically!



## Graphics, Figures and Tables



```
\usepackage{graphicx}  
...  
\includegraphics[width=.3\textwidth]{NTU-logo}
```



- ▶ pdf<sub>l</sub>atex embeds JPG, PNG and PDF graphic files
- ▶ (no file extension  $\Rightarrow$  automatically looks for .jpg, .png, .pdf)
- ▶ Other ways to specify the size:  
width=5cm, height=120mm, scale=1.1



```
\begin{figure}[hbt!]\centering
\includegraphics[width=.3\textwidth]{NTU-logo}
\caption{NTU logo}
\label{fig:ntu:logo}
\end{figure}
```

Figure `\ref{fig:ntu:logo}` depicts NTU's logo.



Figure 2: NTU logo

Figure 2 depicts NTU's logo.



```
\begin{tabular}{| l | c || r |}
\hline
one      & two two      & three three three \\ \hline
one one & two two two  & three              \\ \hline
one one one & two      & three three      \\ \hline
\multicolumn{2}{|l||}{In the end} & What?!          \\ \hline
\end{tabular}
```

one	two two	three three three
one one	two two two	three
one one one	two	three three
In the end		What?!

(Use <http://www.tablesgenerator.com> or other tools)



```
\begin{table}\centering
\caption{Sample table}\label{tab:sample}
\begin{tabular}...
...
\end{tabular}
\end{table}
```

Table `\ref{tab:sample}` is a very simple example.

Table 1: Sample table

one	two two	three three three
one one	two two two	three
one one one	two	three three
In the end		What?!

Table 1 is a very simple example.





Mathematics



As we know  $E = mc^2$  and so `\ldots`

As we know from Einstein (`\ref{eq:einstein}`):

```
\begin{equation}\label{eq:einstein}
E=mc^2
\end{equation}
```

As we know  $E = mc^2$  and so ...

As we know from Einstein (1):

$$E = mc^2 \tag{1}$$



`\eqref{eq:golden:ratio:fibonacci}` relates the golden ratio and the Fibonacci series. Recall that the golden ratio,  $\phi = \frac{1}{2} (1 + \sqrt{5})$ .

```
\begin{equation}\label{eq:golden:ratio:fibonacci}
\phi = 1 + \sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{F_n F_{n+1}}
\end{equation}
```

(2) relates the golden ratio and the Fibonacci series. Recall that the golden ratio,  $\phi = \frac{1}{2}(1 + \sqrt{5})$ .

$$\phi = 1 + \sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{F_n F_{n+1}} \quad (2)$$



# Some helpful tools



`\sum_{i=0}^n x = u + \frac{1}{x_n}`

gif Latin Modern (10pt) Normal 110 Transparent ☐ Inline ☐ Compressed



$$\sum_{i=0}^n x = u + \frac{1}{x_n}$$


[Click here to Download Image \(GIF\)](#)

<https://www.codecogs.com/latex/eqneditor.php>




**Detexify** classify symbols






Score: 0.12158631723712282  
`\delta`  
mathmode



Score: 0.12546373309275727  
`\usepackage{ upgreek }`  
`\updelta`  
mathmode



Score: 0.17468854411676987  
`\partial`  
mathmode

<http://detexify.kirelabs.org/classify.html>



# Some helpful tools



Web Equation

Perfect Poor

The equation cannot be shown as a graph

POWERED BY desmos

Compare with WolframAlpha

$y = \frac{1}{2\pi} \delta x$

Rendered by MathJax

LaTeX MathML Symbol Tree

$y = \dfrac{1}{2\pi} \delta x$

Copyright © MyScript® All Rights Reserved

Legal notice

<http://webdemo.myscript.com/views/math.html>





$\text{\LaTeX}$  is great for other fields, too!



```
\ex\label{basic}  
\beginl  
\gla An example formatted with expex //  
\glb un exemple formaté avec expex //  
\glft `A free translation.'//  
\endgl  
\xe
```

We have our first glossing example (`\ref{basic}`)!

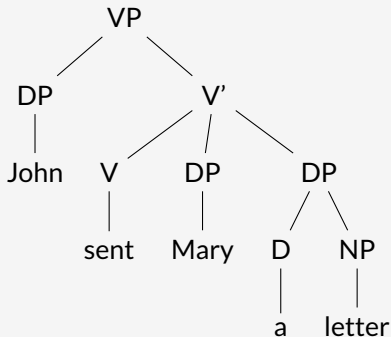
- (1)    *An example formatted with expex*  
      un exemple formaté    avec expex

‘A free translation.’

We have our first glossing example (1)!



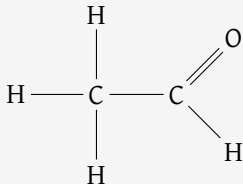
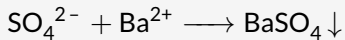
```
\begin{forest}
[VP
  [DP[John]]
  [V'
    [V[sent]]
    [DP[Mary]]
    [DP[D[a]][NP[letter]]]
  ]
]
\end{forest}
```





```
\ce{SO4^2- + Ba^2+ -> BaSO4 v}
```

```
\chemfig{H-C(-[2]H)(-[6]H)-C(-[7]H)=[1]O}
```





```
\SI{3.45d4}{\square\volt\cubic\lumen\per\farad}
```

```
\SIlist[per-mode=symbol]{40;85;103}{\kilo\metre\per\hour}
```

```
\SIrange{20}{40}{\degreeCelsius}
```

$3.45 \times 10^4 \text{ V}^2 \text{ lm}^3 \text{ F}^{-1}$

40 km/h, 85 km/h and 103 km/h

20 °C to 40 °C



# Aligning decimal values in tables with siunitx



```
\begin{tabular}{S }  
\hline  
12.345    \\  
6,78      \\  
-88.8(9)  \\  
4.5e3     \\  
\hline  
\end{tabular}
```

---

12.345
6.78
-88.8(9)
$4.5 \times 10^3$

---





Coffee break! ☕

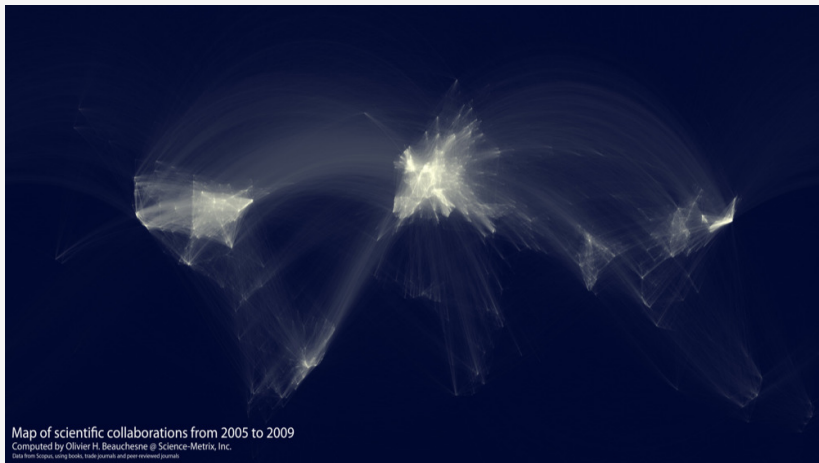




- 1 Introduction to  $\text{\LaTeX}$
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# *The Internet is transforming research...*





...but writing up is still painful

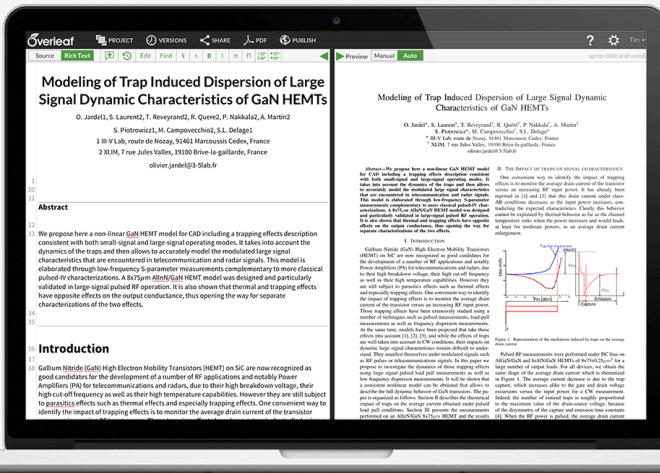




- ▶ Long email chains passing files around
- ▶ Dealing with multiple versions of the same document
- ▶ Hours spent formatting and typesetting

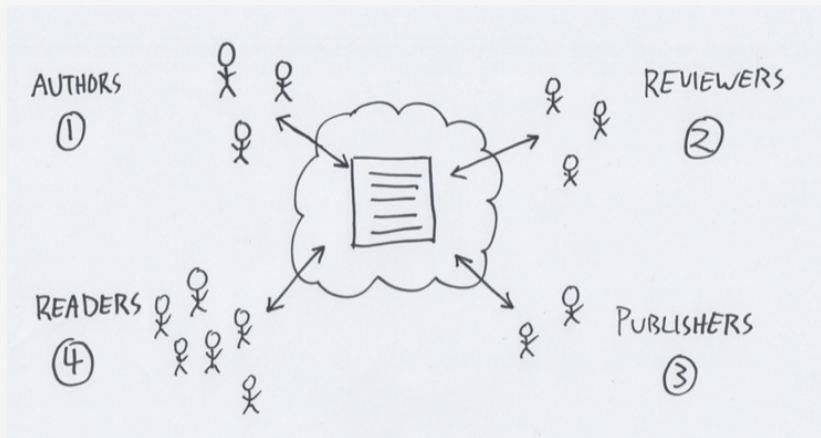


# Overleaf: an online collaborative writing platform





# Overleaf: an online collaborative writing platform







A  $\text{\LaTeX}$  Editor in the Cloud



- ▶ Cloud-based tools provide  $\text{\LaTeX}$  in your browser
- ▶ There's nothing to download or install
- ▶ Access your projects from anywhere, any device





News: Overleaf Highly Commended at ALPSP Awards


My Projects LianTze@hotmail

**Account related settings**  
FEATURES & BENEFITS ▾ TEMPLATES PRICING COMPANY ▾ HELP

## My Projects


Click to create new project


Click to create project by upload a .zip containing existing .tex files

**NEW PROJECT** 

**Active** 2

★ Starred 0

 Archived 0

 Trash 3

jottings 1

kid 1

book 1

**Free Pro Trial**  
Discover our Pro features with a free 14 day Pro trial!

**Personal Notebook**  
Edited 4 minutes ago by LianTze@hotmail

jottings book

Project ID 3533393yxhjwd

Trash (remove from dashboard)

Archive Star





3052444cwgdz

Desktop Calendar for School Year  
Edited 10 minutes ago by LianTze@hotmail

kid

Sort: updated | created | accessed

Projects per page: 10 | 30 | 50

    More functs.

Rename

Edit Tags

Star

Archive

Remove

View PDF

Open a Copy

Clone With Git



# The Editor



The screenshot shows the Overleaf editor interface with several annotations:

- PROJECT** button in the top navigation bar is circled in red.
- PDF** button in the top navigation bar is circled in red.
- Download as ZIP** button in the bottom left is circled in red.
- Project Settings** button in the top right is circled in orange.

The main editor area displays a LaTeX document with the following content:

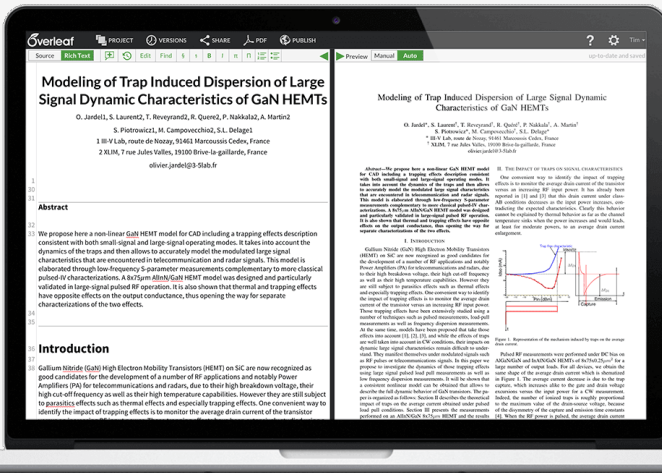
```
command. \marginnote{This is a
530 margin note. Notice that there isn't
531 there is no number in the main text
where this note was written.}
532
533 The specification of the
\doccmddef{sidenote} command is:
534 \begin{docspec}
535 \doccmd{sidenote}[\docopt{number}]
[\docopt{offset}]{\docarg{sidenote
text.}}\}
536 \end{docspec}
537
538 Both the \docopt{number} and
\docopt{offset} arguments are
optional. If you
539 provide a \docopt{number} argument,
then that number will be used as the
sidenote number. It will change of
540 the number of the current sidenote
only and
541 will not affect the numbering sequence
of subsequent sidenotes.
542
543 Sometimes a sidenote may run over the
top of other text or graphics in the
```

The right-hand pane shows the rendered PDF output of the document, displaying the margin notes and the main text.



Dr. Lim Lian Tze | Collaborative Writing &amp; Publishing on Overleaf





For co-authors who aren't that comfortable with  $\text{\LaTeX}$





## Collaborative Authoring



## *Online collaborative editing tools provide...*



- ▶ No need to email files – simply send the link
- ▶ One version of the document, accessible by all collaborators



# Collaborate by sending the project link



**PROJECT** **VERSION** **SHARE** **PDF** **PUBLISH**

### Share

Send via:

**Read & Edit Link:**

<https://www.overleaf.com/1922191hqqpns>

Share this link with your co-authors. They can edit at the same time.

**Read Only Link:**

<https://www.overleaf.com/read/ypmgjhhygbng>

Share this link with anyone. They can read, but they can't edit. (?)

**Clone With Git**

<https://git.overleaf.com/1922191hqqpns>

You can `git clone` your project using the link displayed above. (?)

**More**

Publish to the [Overleaf Gallery](#) to have your project featured on our site.

Make this a protected project



# Leave comments for collaborators



The screenshot shows the writeLATEX web interface. The top bar includes the 'writeLATEX' logo and navigation links: PROJECT, VERSIONS, SHARE, and PDF. Below this is a toolbar with tabs for Source and Rich Text, and various editing tools like undo, redo, edit, find, and formatting options. A comment dialog box is open, titled '6 of 7' with a close button. The dialog has a header 'Add Comments' and a subtitle 'Manage feedback and review with comments:'. It displays a list of comments: John Lees-Miller's question about a reference, John Hammersley's reply, and John Lees-Miller's confirmation. A 'NEXT' button is at the bottom right of the dialog. The background document shows sections for 'Abstract' and 'Introduction'.

**writeLATEX** PROJECT VERSIONS SHARE PDF

Source Rich Text Edit Find § \$ B / π Π

6 of 7

**Add Comments**

Manage feedback and review with comments:

**John Lees-Miller** about 3 hours ago:  
Do we have a reference for this?

**John Hammersley** replied about 2 hours ago:  
Good point! Added.

**John Lees-Miller** closed this about an hour ago.

**Abstract**

Your abstract.

**Introduction**

Your introduction...

**NEXT**

used commands and fea  
listed below, to help you get started. If you have a question, please use the help menu  
on the top bar to search for help or ask us a question.

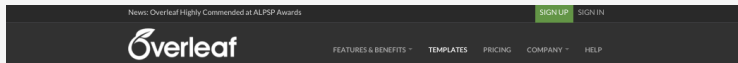




Overleaf Gallery: Templates, Examples, Articles



# Choose from over 2000 Templates

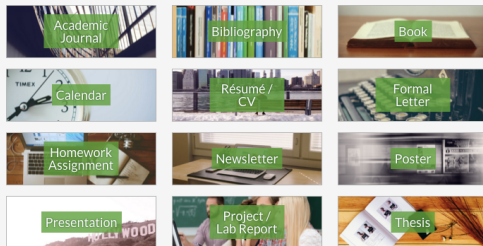


## Templates

Filters: [All](#) / [Templates](#) / [Examples](#) / [Articles](#)

Start your projects with quality LaTeX templates for journals, CVs, resumes, papers, presentations, assignments, letters, project reports, and more. Search or browse below.

### Popular tags



<https://www.overleaf.com/gallery>




# Submit your own templates or writings!



- ▶ Click on *Journals & Services* at top, then *Overleaf Gallery*
- ▶ Reports, presentations, theses, jottings, lecture notes/handouts
- ▶ Many users post their cvs/résumés!

## Submit to Overleaf Gallery

The Overleaf Gallery is the easiest way to publish your work from Overleaf and make it searchable and shareable. Just fill out the details below.

Title	Project Template for Course MA101
Author(s)	John Hammersley
Description	<p>This is a template for students completing their final reports for course MA101 at University X</p>
License	<div>Creative Commons CC BY 4.0  (?)</div> <div><input checked="" type="checkbox"/> Let people use this project as a template.</div>

SUBMIT TO OVERLEAF GALLERY





Direct Submission to Journals



# Submit to a partner journal from Overleaf



- ▶ Download a .zip for submission
- ▶ Or click on *Submit to...* link of partner journals
- ▶ Initial *and* re-submissions

The screenshot shows the Overleaf web interface. At the top, the 'SUBMIT TO SCIENTIFIC REPORTS' button is circled in red. Below the main editor, there are tabs for 'Preview', 'Manual', and 'Auto'. The right-hand pane shows the rendered document, which includes sections like 'Abstract', 'Introduction', 'Results', and 'References'. The document is titled 'Scientific Reports' and is dated 'up-to-date and saved'.

Files in the project:

- main.tex
- sample.bib
- stream.jpg
- wscirep.cls

Buttons:

- DOWNLOAD AS ZIP
- Save to Dropbox

LaTeX code in the editor:

```
31 structure of main text (not enforced) is provided below.
32 \varepsilon\reps\on$
33
34 \section*{Introduction}
35
36 The Introduction section, of referenced text\cite{Figueredo:2009dg}
37 expands on the background of the work (some overlap with the
38 Abstract is acceptable). The introduction should not include
39 subheadings.
40
41 \section*{Results}
42
43 Up to three levels of \textbf{subheading} are permitted.
44 subheadings should not be numbered.
45
46 \subsection*{Subsection}
47
48 Example text under a subsection. Bulleted lists may be used where
49 appropriate, e.g.
50
51 \begin{itemize}
52 \item First item
53 \item Second item
54 \end{itemize}
```

Rendered document content:

**Abstract**

The Introduction section, of referenced text\cite{Figueredo:2009dg} expands on the background of the work (some overlap with the Abstract is acceptable). The introduction should not include subheadings.

**Introduction**

The Introduction section, of referenced text\cite{Figueredo:2009dg} expands on the background of the work (some overlap with the Abstract is acceptable). The introduction should not include subheadings.

**Results**

Up to three levels of **subheading** are permitted. subheadings should not be numbered.

**Subsection**

Example text under a subsection. Bulleted lists may be used where appropriate, e.g.

- First item
- Second item

**References**

Figueredo, A. J. & M. P. A. A. Association between and for the study of... (2009) 20, 217-220 (2009).

LaTeX figures require and references are available using the following methods in your job file, which you can edit in the project menu. For the code contained in the section above, e.g.,

**Acknowledgements (not compulsory)**

Acknowledgements should be placed at the end of the main text and should not include details of manuscript address and authors, or other relevant information. Only a contribution statement may be acknowledged.

**Author contributions statement**

When multiple authors contributed to a study, for example, A.A. conceived the experiment(s), A.A. and B.B. conducted the experiment(s), C.C. and D.D. analyzed the results. All authors approved the manuscript.

**Additional Information**

Supplemental information is available online at <https://www.nature.com/scientificreports/>. The corresponding author is responsible for submitting a [Scientific Reports](https://www.nature.com/scientificreports/) statement on behalf of all authors on the paper. This statement must be included in the submitted article file.

Figure 1. Logarithmic (PDF) model results. Example logarithmic model.


Parameter	Value
log10(10)	1.0
log10(100)	2.0
log10(1000)	3.0

Figure 1. Logarithmic (PDF) model results. Example logarithmic model.

Figures and tables can be referenced in LaTeX using the ref command, e.g. Figure 1 and Table 1.



## Publishers, Journals and Repositories linked on Overleaf



American Mathematical Society (AMS)

VIEW

Templates


4

Submission Type (?)

Direct link

Journals

4



American Society of Civil Engineers (ASCE)

VIEW

Templates


1

Submission Type (?)

Link to Portal

Journals

35



arXiv

VIEW

Templates


1

Submission Type (?)

Link to Portal

Repositories

18



ASBMB

VIEW

Templates


1

Submission Type (?)

Link to Portal

Journals

1



Association for Computing Machinery (ACM)

VIEW

Templates


3

Submission Type (?)

Link to Portal

Journals

45



bioRxiv

VIEW

Templates


1

Submission Type (?)

Link to Portal

Repositories

27



engrXiv

VIEW

Templates


1

Submission Type (?)

Direct link

Repositories

1



F1000Research

VIEW

Templates

2

Submission Type (?)

Direct link

Journals

1

<https://www.overleaf.com/publishers>





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Import Zotero/Mendeley/CiteULike Libraries



# Import from bibliography services

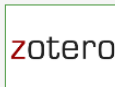


## Add Bibliography



CiteULike is a free service for managing and discovering scholarly references.

Add CiteULike bibliography



Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share your research sources.

Add Zotero bibliography



Mendeley is a free reference manager and academic social network. Make your own searchable library in seconds.

Add Mendeley bibliography



You can upload a BibTeX (.bib) file that you maintain yourself or with another reference manager.

Upload a .bib file

Want to see more services here? [Let us know which ones](#), and please do let them know, too!





Integration with Plot.ly



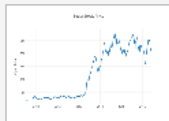
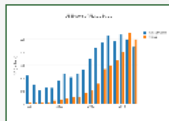
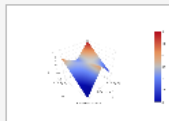
## Add plot from plot.ly



Plot.ly username:



SEARCH PLOTS



Name of the file in this project:

US Plastic Export.png



ADD FILE





Sync Offline Work with Git



# Git link of your Overleaf Project



**PROJECT** **VERSION** **SHARE** **PDF** **PUBLISH**

### Share

Send via:

**Read & Edit Link:**

<https://www.overleaf.com/1922191hqqpns>

Share this link with your co-authors. They can edit at the same time.

**Read Only Link:**

<https://www.overleaf.com/read/ypmgjhhygbng>

Share this link with anyone. They can read, but they can't edit. (?)

**Clone With Git**

<https://git.overleaf.com/1922191hqqpns>

You can `git clone` your project using the link displayed above. (?)

**More**

Publish to the [Overleaf Gallery](#) to have your project featured on our site.

Make this a protected project



# Clone the project to your local machine



- ▶ Clone the project to your local machine

```
$ git clone https://git.overleaf.com/192219hqgpns my_paper
```

- ▶ Make edits on your local machine

- ▶ Commit local changes

```
$ git add *.tex *.png
```

```
$ git commit -m "Added new section and images"
```

- ▶ Push changes to Overleaf project

```
$ git push origin master
```





## Saving Versions & Accessing Full History



# Save versions of your work



## Versions



New! Browse the full history of this project (beta): [Recent Activity / Timeline](#)

ADD LABEL

<b>Fix italic fonts etc</b> <i>saved by LianTze Lim 8 days ago</i>	compare	restore	delete
<b>Referees and Publications</b> <i>saved by LianTze Lim 6 months ago</i>	compare	restore	delete
<b>Original gallery version</b> <i>saved by LianTze Lim 8 months ago</i>	compare	restore	delete

Overleaf automatically saves the latest version of your project.  
You can also label and save versions here yourself for future reference.



# Inline comments and track changes for Review



**write<sup>L</sup>A<sup>T</sup>E<sup>X</sup>** PROJECT VERSIONS COMPARE ? ⚙ John Lees-Miller ▾


Current version


Source Rich Text Edit Find \$ \$ B More ▾


22 **{Introduction}**

23

24 Your introduction **goes here!** Some examples of commonly used commands and features are listed below, to help you get started. If you have a question, please use the help menu ("?) on the top bar to search for help or ask us a question.

 **John Lees-Miller** about 2 hours ago:  
Seems punchier. OK?

 **John Hammersley** replied about an hour ago:  
Yep.

 **John Lees-Miller** closed this about an hour ago.

33

34 **{Some LaTeX Examples}**

35

36 **{How to Include Figures}**

37

38 First you have to upload the image file ( JPEG PNG or PDF) from your

Compared version (read only)

first draft ▾ Restore file

1

17

18 **Abstract**

19 Your abstract.

20

21

22 **{Introduction}**

23

24 **This is where you write** your introduction. Some examples of commonly used commands and features are listed below, to help you get started. If you have a question, please use the help menu ("?) on the top bar to search for help or ask us a question.

25

26 **{Some LaTeX Examples}**

27

28 **{How to Include Figures}**

29

30 First you have to upload the image file (JPEG, PNG or PDF) from your computer to writeLaTeX using the upload link the project menu. Then use the includegraphics command to include it in your document. Use the figure environment and the caption command to add a number and a caption to your figure. See the code for Figure \ref{fig:frog} in this section for an example.

31

32 `\begin{figure}`

33 `\centering`

34 `\includegraphics[width=0.3\textwidth]{frog.jpg}`



# Full history (beta)

Pro & Pro+ Users



LianTze Lim

5 hours ago

Edited `igs2eannalsguide.tex`:

[view source](#)

```
...
\bibliographystyle{igs} % imposes IGS bibliography style on output

% however, we are going to include igs2eannalsguide.bbl here:

% \begin{thebibliography}{16}
% \providecommand{\natexlab}[1]{#1}
...
\appendix
\section{Appendix}
...
```



LianTze Lim

5 hours ago

Edited `igs2eannalsguide.tex`:

[view source](#)

```
...
\end{figure*}

% \subsubsection{Manual references}
% References should be complete and conform to the IGS reference style. Particular
points to note are that author names...
\section{Acknowledgements}
We would like to thank Jason Amundson, Ed Bueler, Andrew Clifton, Gwenn~Flowers, Ralf
Greve and Doug MacAyeal for their constructive...
```



Edited `igs2eannalsguide.tex`:

[view source](#)

```
...
```



# Timeline View (beta)

Pro & Pro+ Users



September 9, 2016 to September 19, 2016 ~

Sep 19, 2016 - Sep  
19, 2016



LianTze Lim

Characters: 3801 Additions, 17978 Deletions

Files: No Change



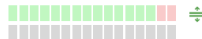
Sep 18, 2016



LianTze Lim

Characters: 56 Additions, 9 Deletions

Files: No Change



Sep 17, 2016



LianTze Lim

Characters: 24180 Additions, 27907 Deletions

Files: 2 Additions, 3 Deletions



Sep 9, 2016



LianTze Lim

Characters: 35794 Additions, 35965 Deletions

Files: 9 Additions, 2 Deletions







IEEE Collaboratec



# Integration with IEEE Collaboratec



The screenshot shows the IEEE Collaboratec user interface. At the top is a blue navigation bar with a 'Menu' icon, user profile icons, and a 'Sign Out' link. Below this is a header section with the IEEE Collaboratec logo, a search bar, and the IEEE logo. The main content area is titled 'Settings' and has three tabs: 'Activity Stream', 'Attached Services', and 'Email Notifications'. The 'Attached Services' tab is active, showing a section for 'Connected Services' with one entry: 'Overleaf', which is connected to the account 'john.hammersley@gmail.com'. Below this is a 'Services to Connect' section with three options: 'Google Drive' (for cloud storage), 'Google Calendar' (to invite your network), and 'Google+' (to invite your network). Each service has a 'Connect' button.

<https://www.overleaf.com/blog/278>










# Integration with IEEE Collaboratec



The screenshot displays the IEEE Collaboratec web interface. A modal window titled "Add Documents to IEEE Collaboratec™" is open, featuring two tabs: "Browse Files" and "Google Drive". The "Browse Files" tab is selected, showing a search bar labeled "Search Overleaf Projects" and a list of documents. The documents list includes entries with titles like "Insert your title here %\thanks{" and "Psychometrics: From Practice to Theory and", each with a green plus icon for adding. The background shows the IEEE Collaboratec website with a "Library" section and a "Tools" section.

<https://www.overleaf.com/blog/278>



- ▶  Overleaf's online interactive  $\text{\LaTeX}$  tutorial
- ▶  The  $\text{\LaTeX}$  Font Catalogue
- ▶  Using TTF/OTF fonts on Overleaf with XeLaTeX
- ▶  Overleaf keyboard shortcuts
- ▶  Synchronising an Overleaf project with a Github repo
- ▶  Backup Overleaf to Dropbox to BitBucket with Git
- ▶ Subscribe to the  [Overleaf blog](#) for latest announcements!





Questions?





Contact us: [welcome@overleaf.com](mailto:welcome@overleaf.com)

**Thank you!**



