

# Collaborative Writing and Publishing

## Overleaf

**A web-based  $LATEX$  and Rich Text collaborative writing/publishing tool**

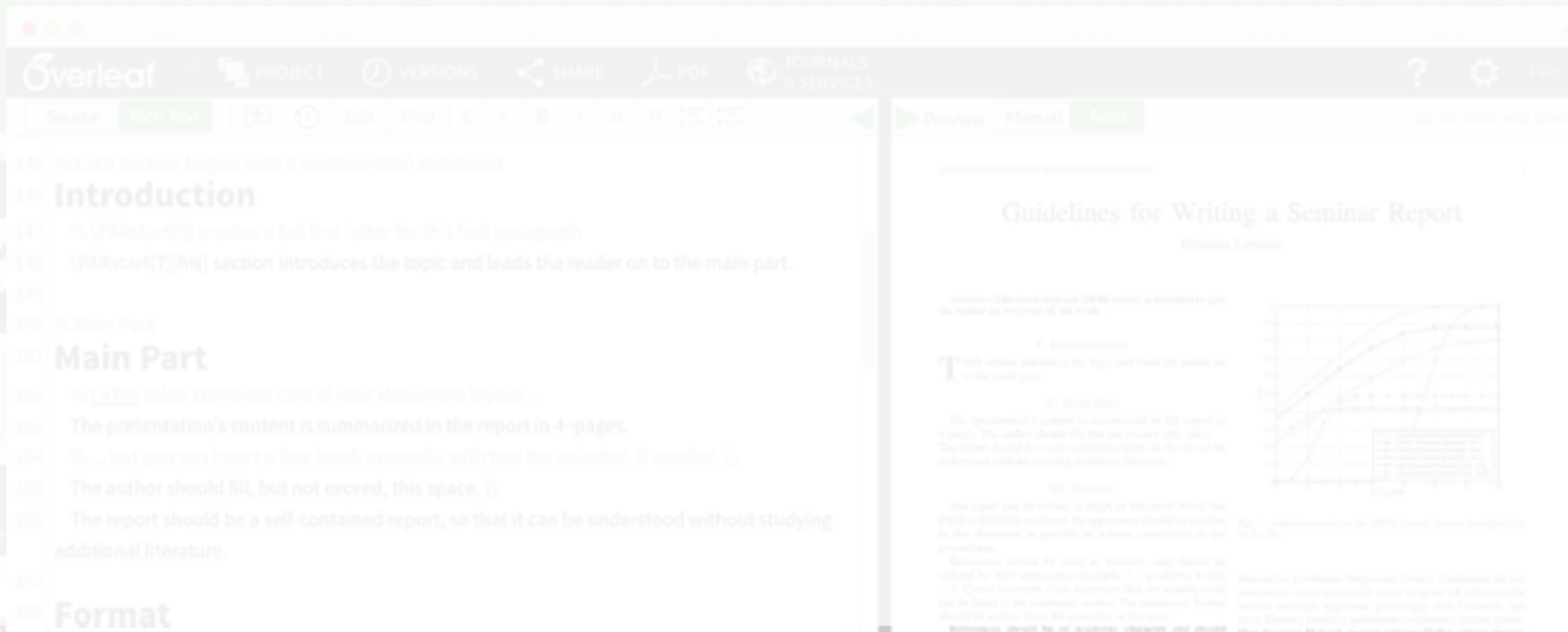
# Collaborative Writing and Publishing

## What is Overleaf?

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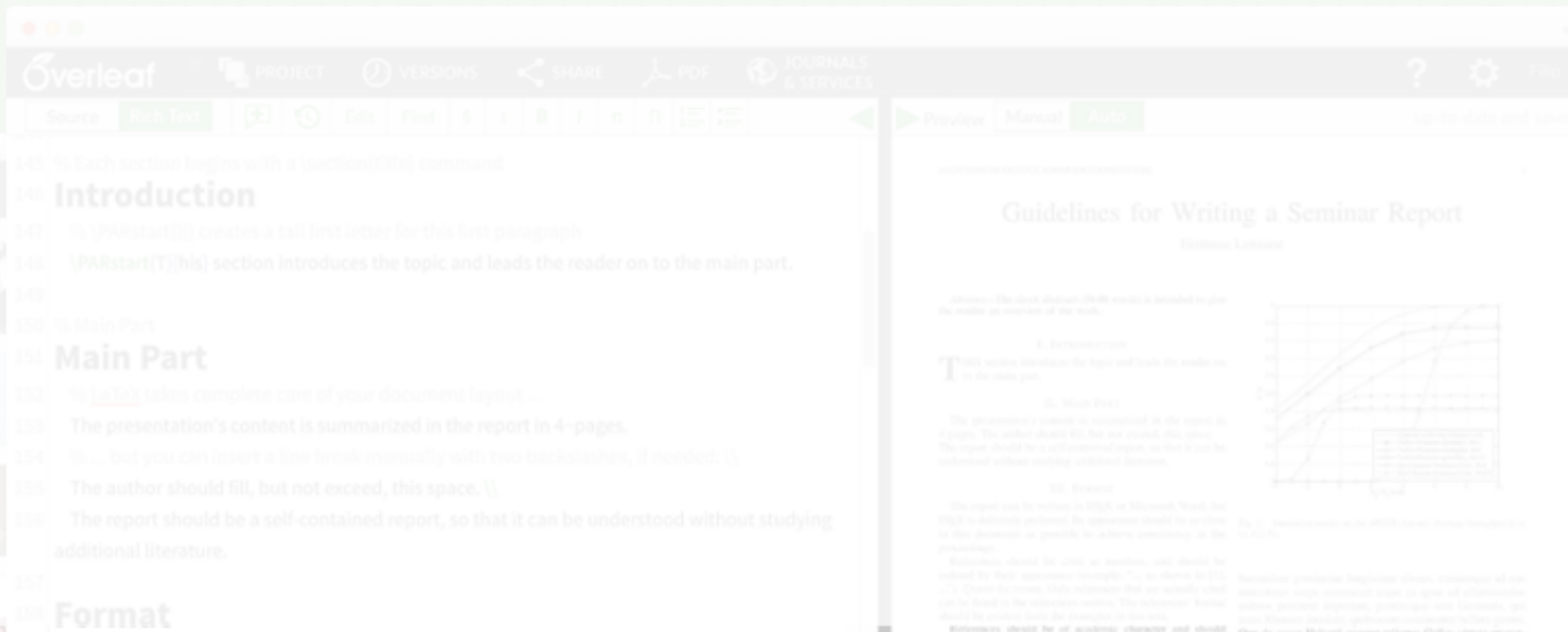
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## What is Overleaf?

- Overleaf provides an on-line in-browser  $LATEX$  editor with some cloud storage for your files

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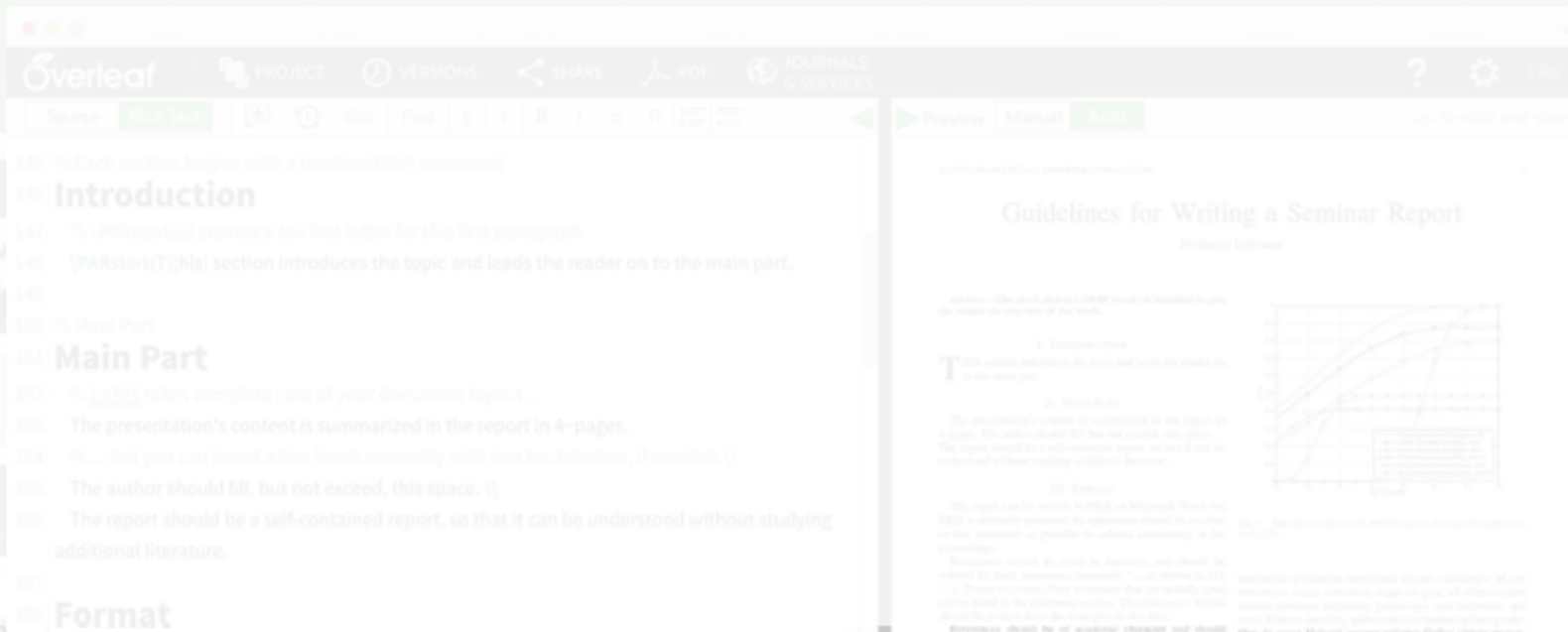
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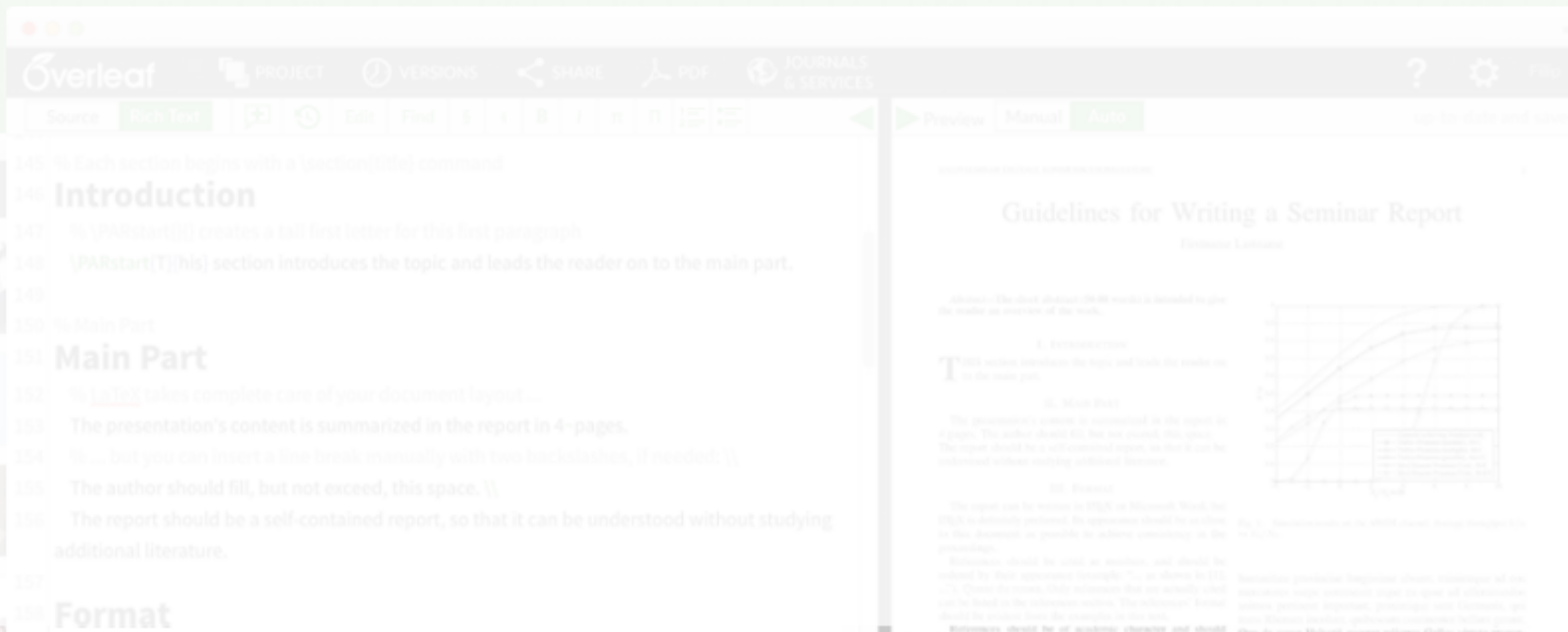
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- A tool to send your paper to a desired publisher directly from [Overleaf](#)

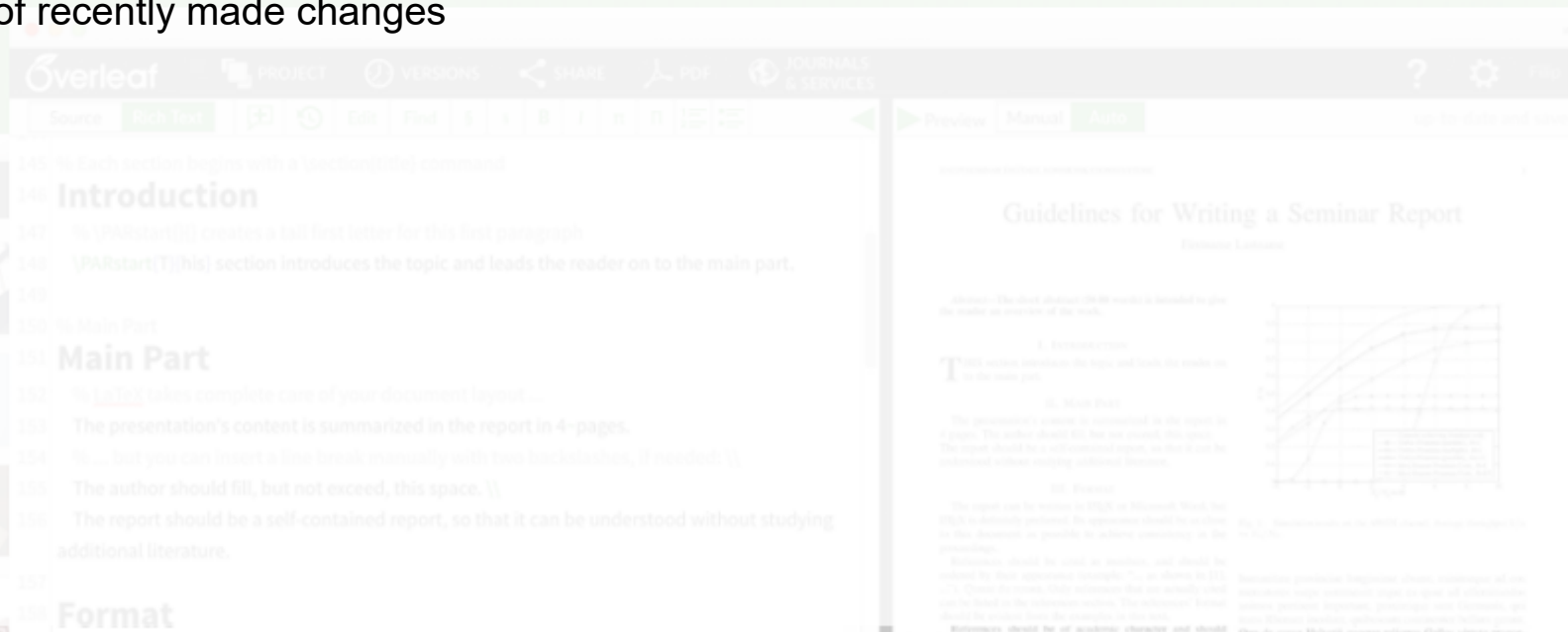




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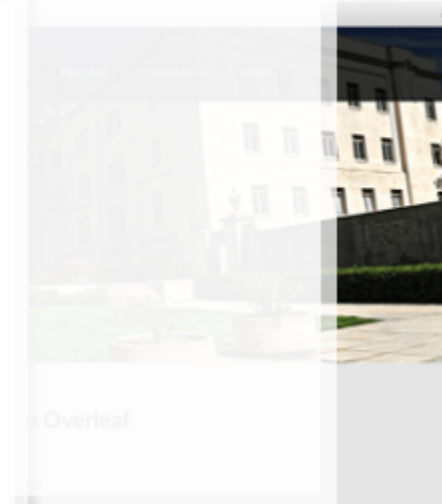
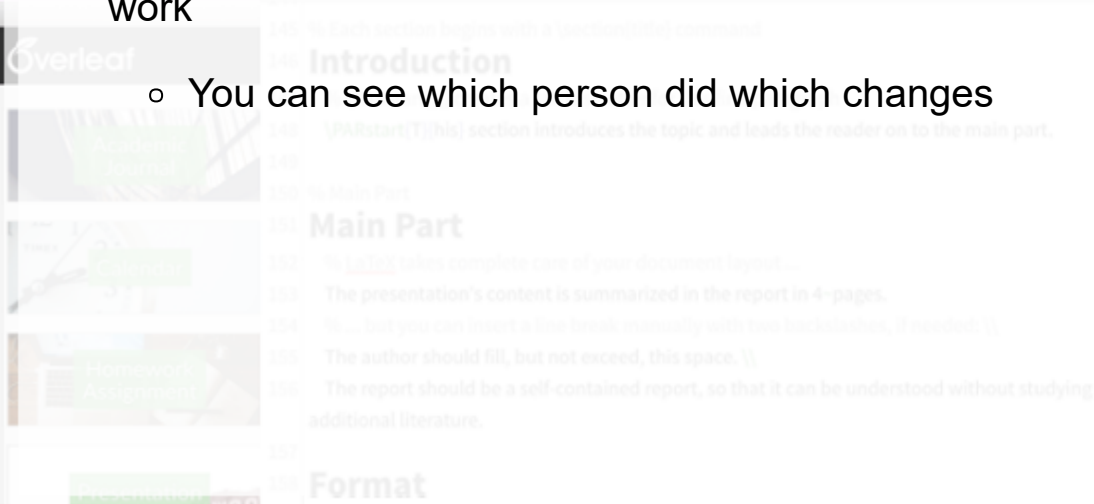
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- History of recently made changes
- Options for collaboration - you can share a link to a project with collaborators to allow them to view and edit your work
  - You can see which person did which changes



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  - You can see which person did which changes
- Git-compatible API. Makes it possible to work on your paper without using browser, following standard git cycle:

```
git pull
*make changes*
git add ...
git commit -m "very_informative_message"
git push
```

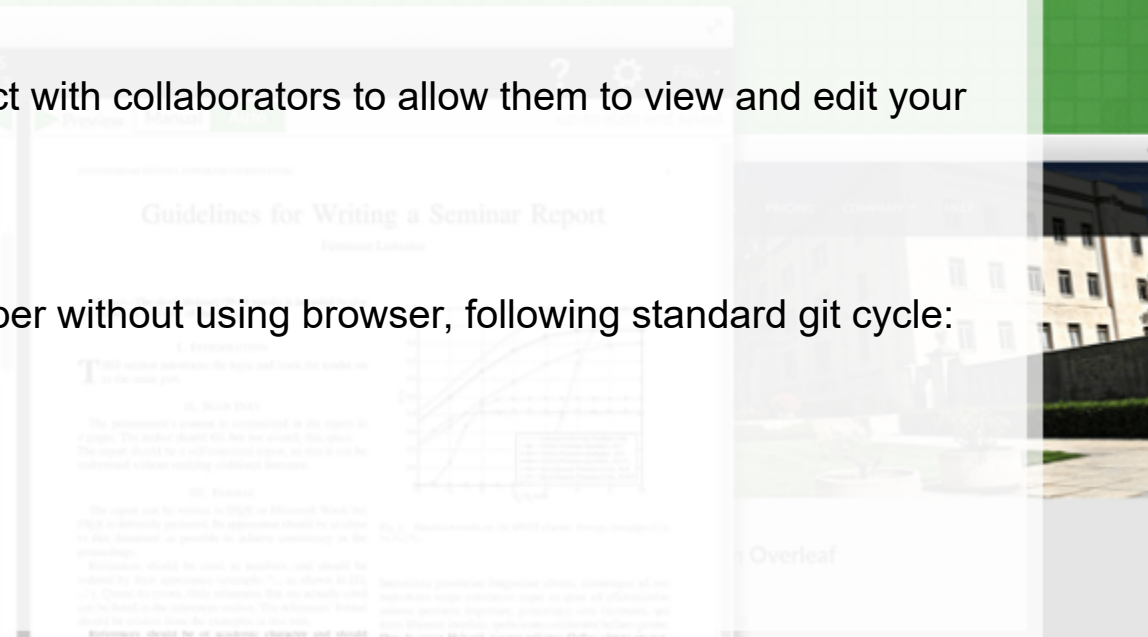


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- It only supports one remote branch (**master**)



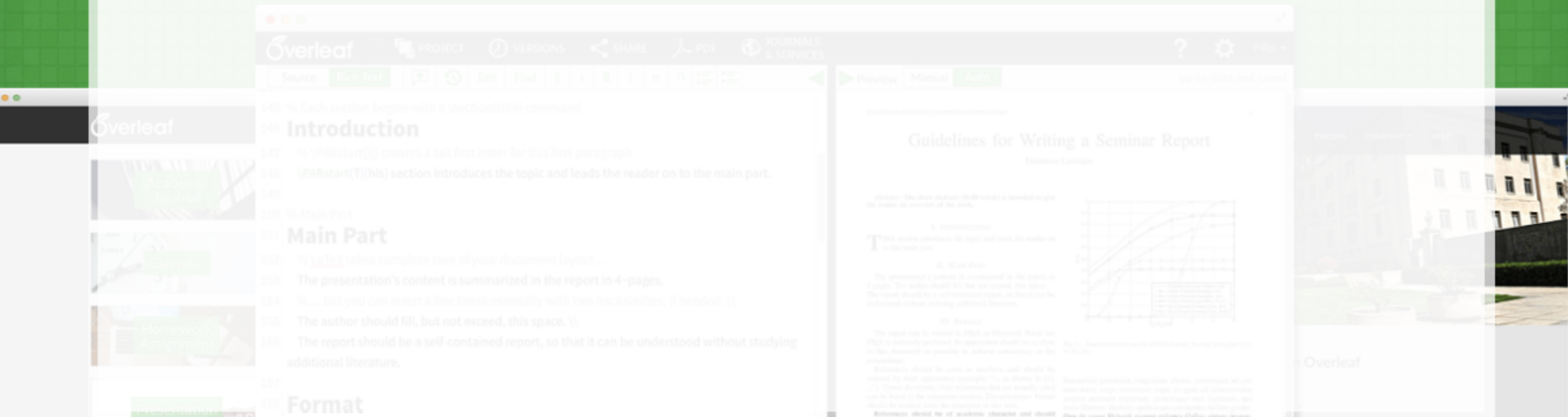
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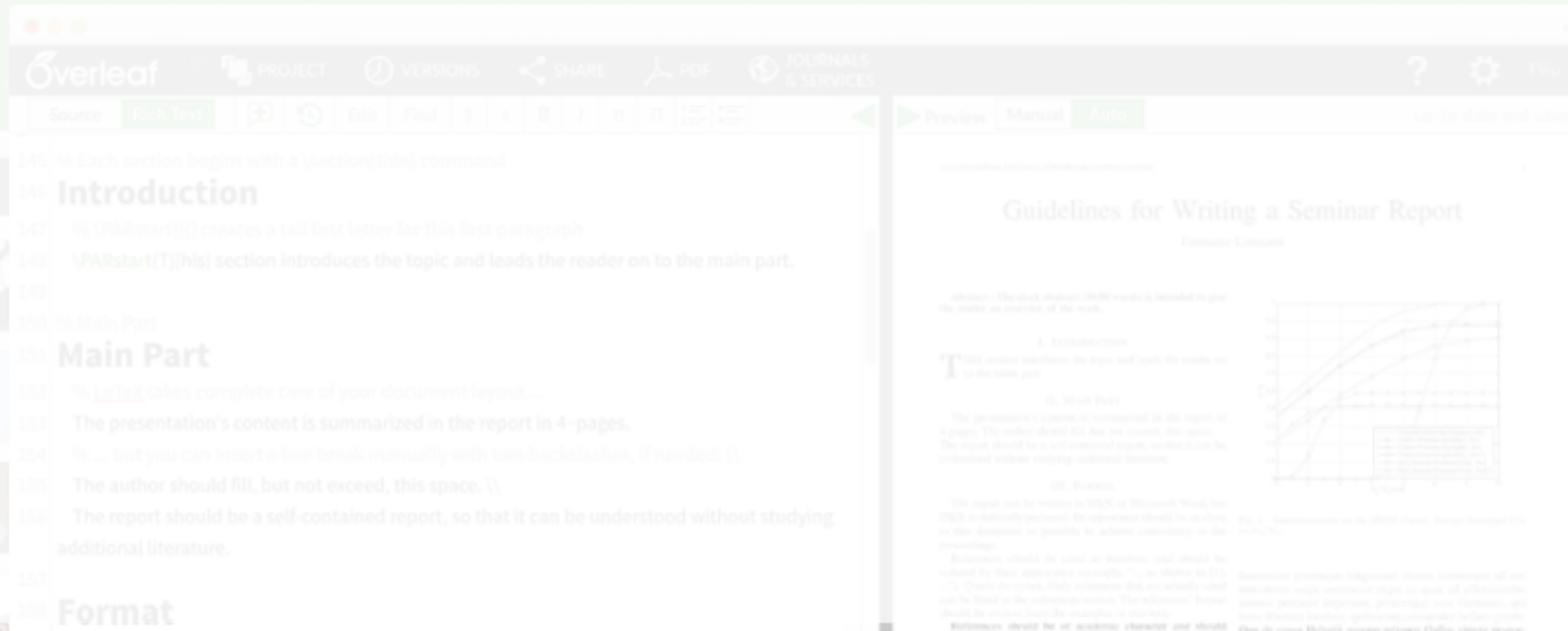
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## More features

- Side-by-side *L<sup>A</sup>T<sub>E</sub>X* source and output PDF

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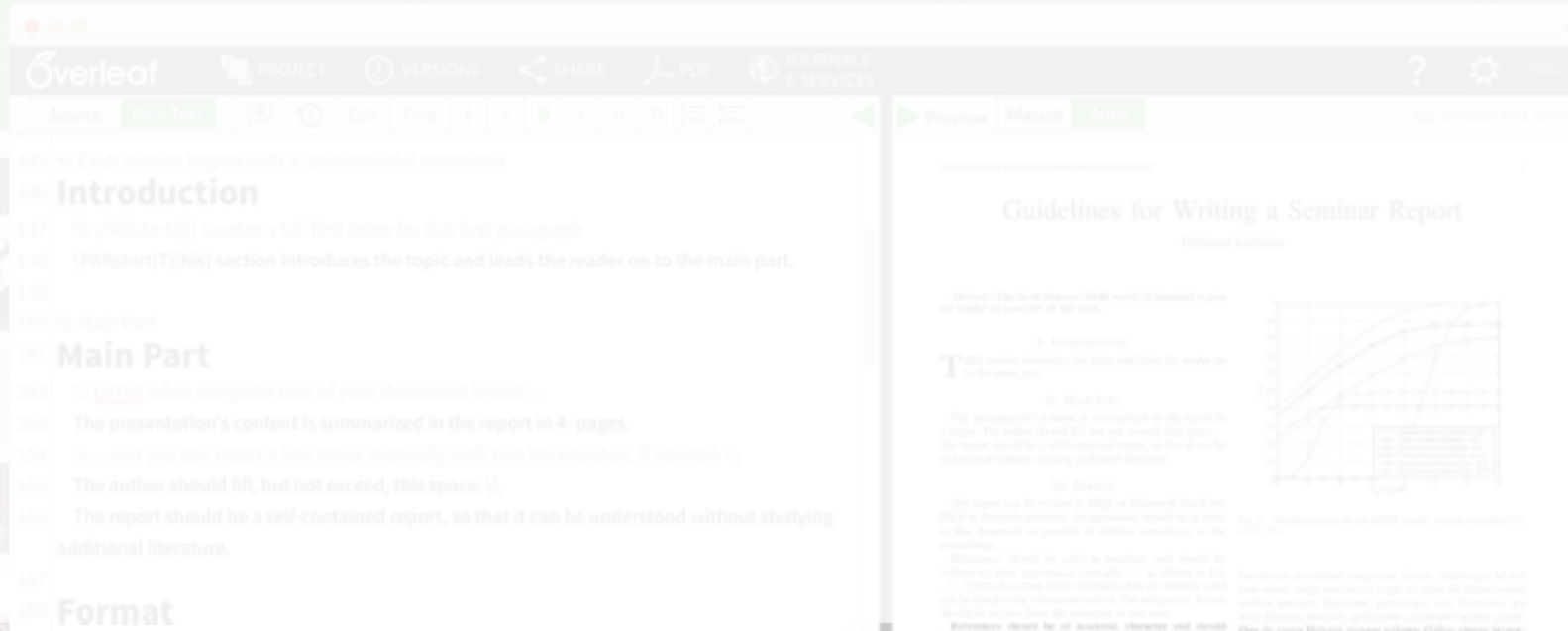
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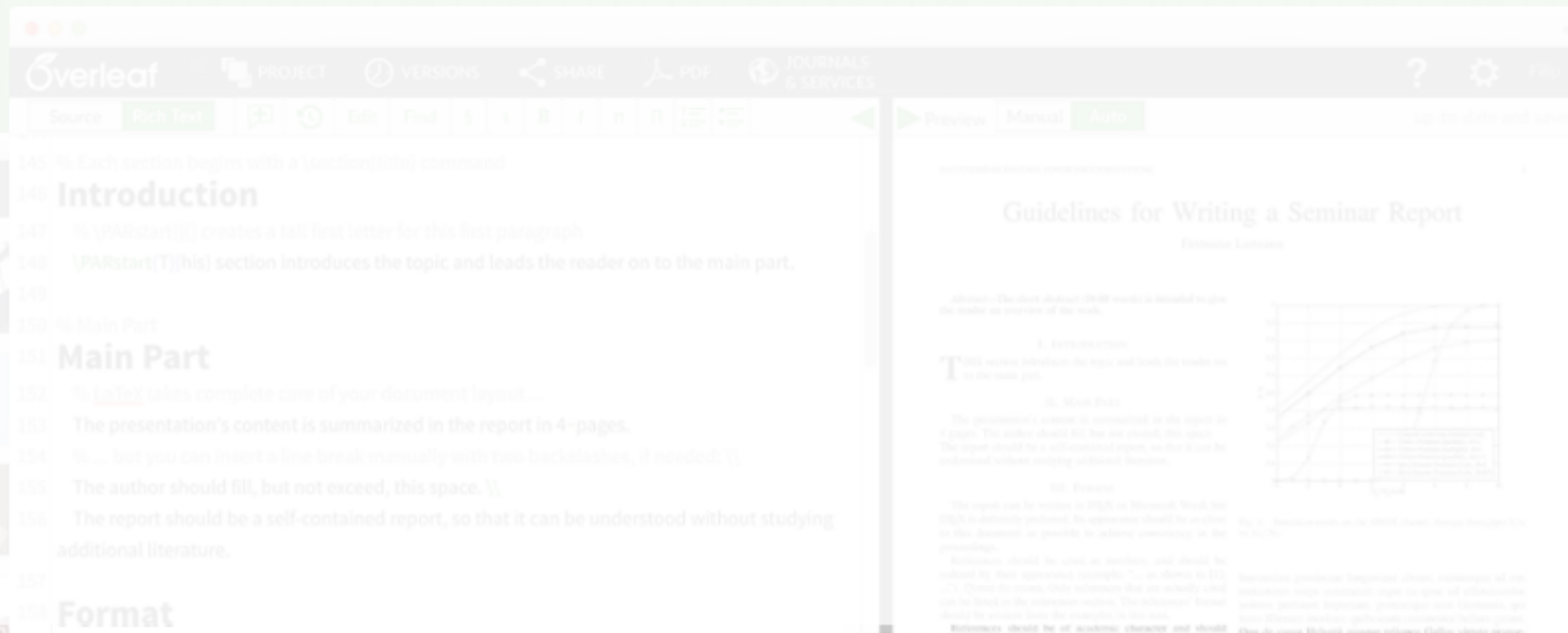
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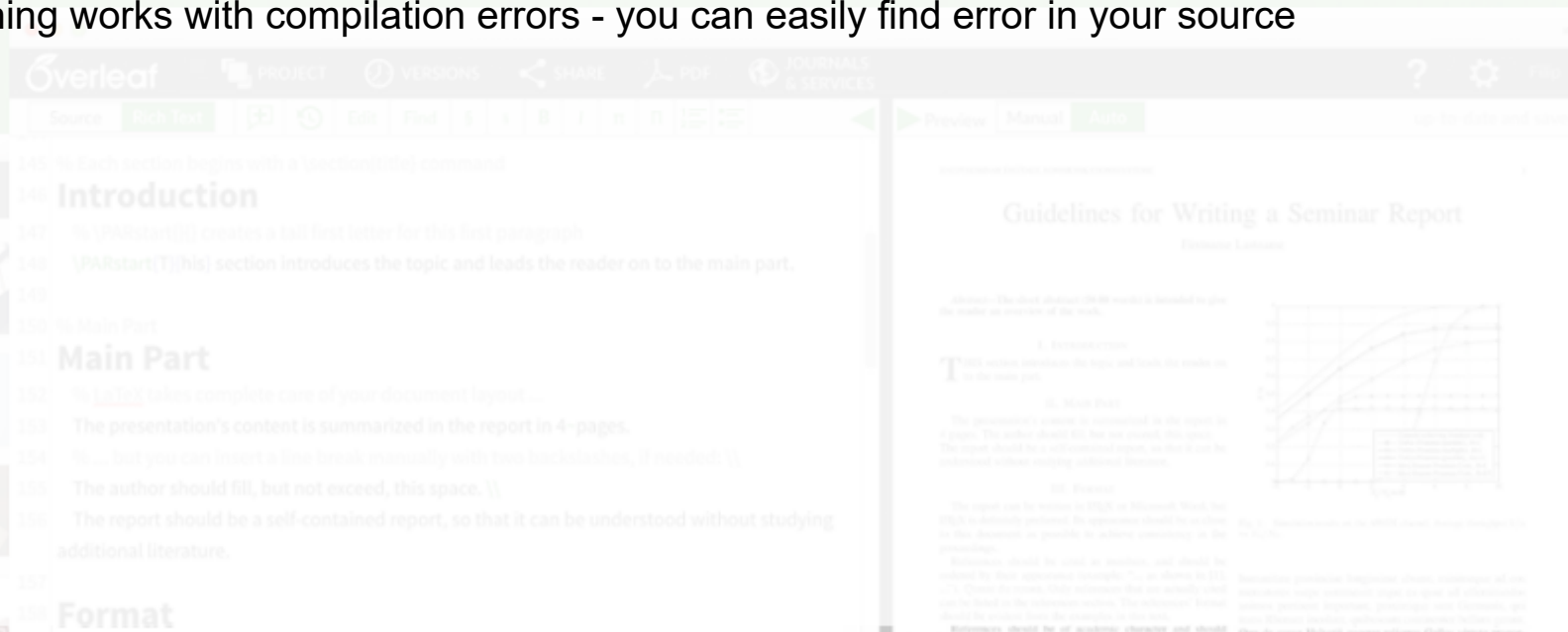




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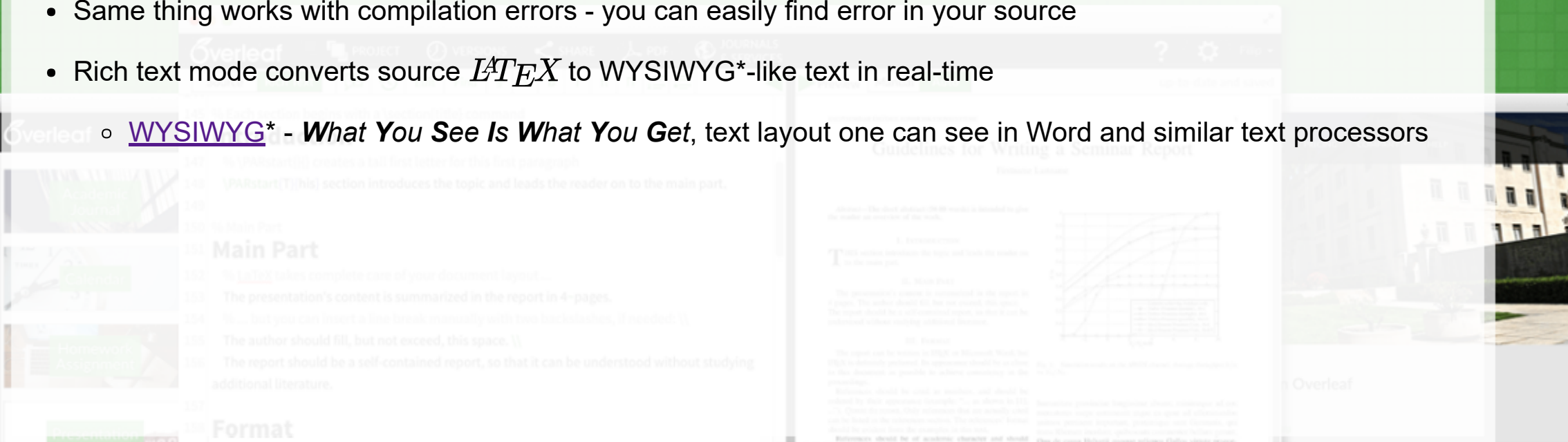
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- Rich text mode converts source *L<sup>A</sup>T<sub>E</sub>X* to WYSIWYG\*-like text in real-time
  - WYSIWYG\* - **What You See Is What You Get**, text layout one can see in Word and similar text processors



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  - WYSIWYG\* - **What You See Is What You Get**, text layout one can see in Word and similar text processors
- **Paid feature** - for \$12/month (\$6/month for students) you get full project history (can be useful), protected projects (like private repositories on GitHub), and priority technical support (not really needed)

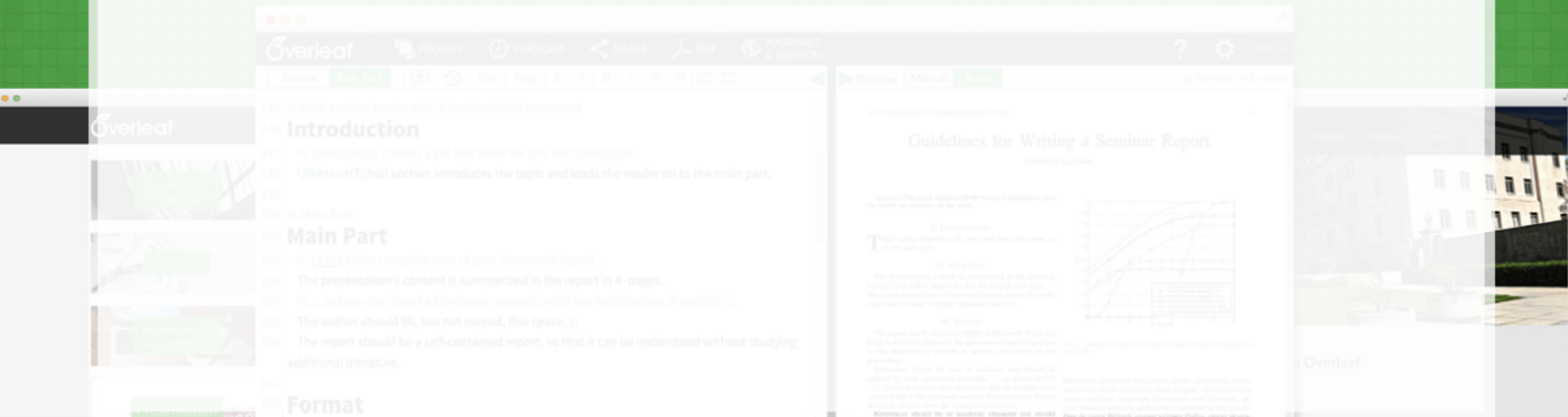
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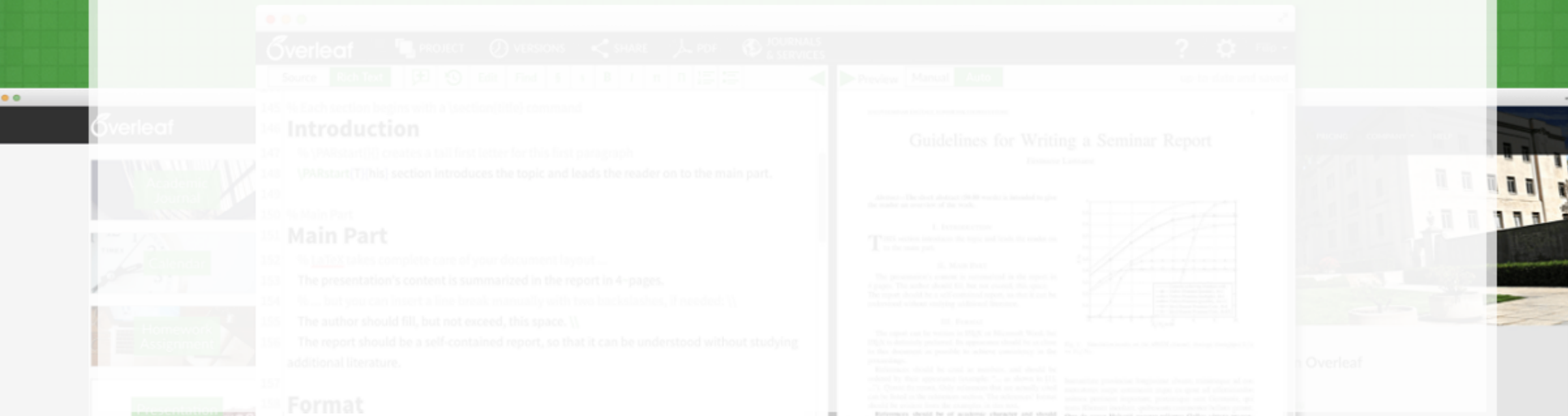
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- Share $LATEX$  is yet another tool for online collaborative  $LATEX$  editing.

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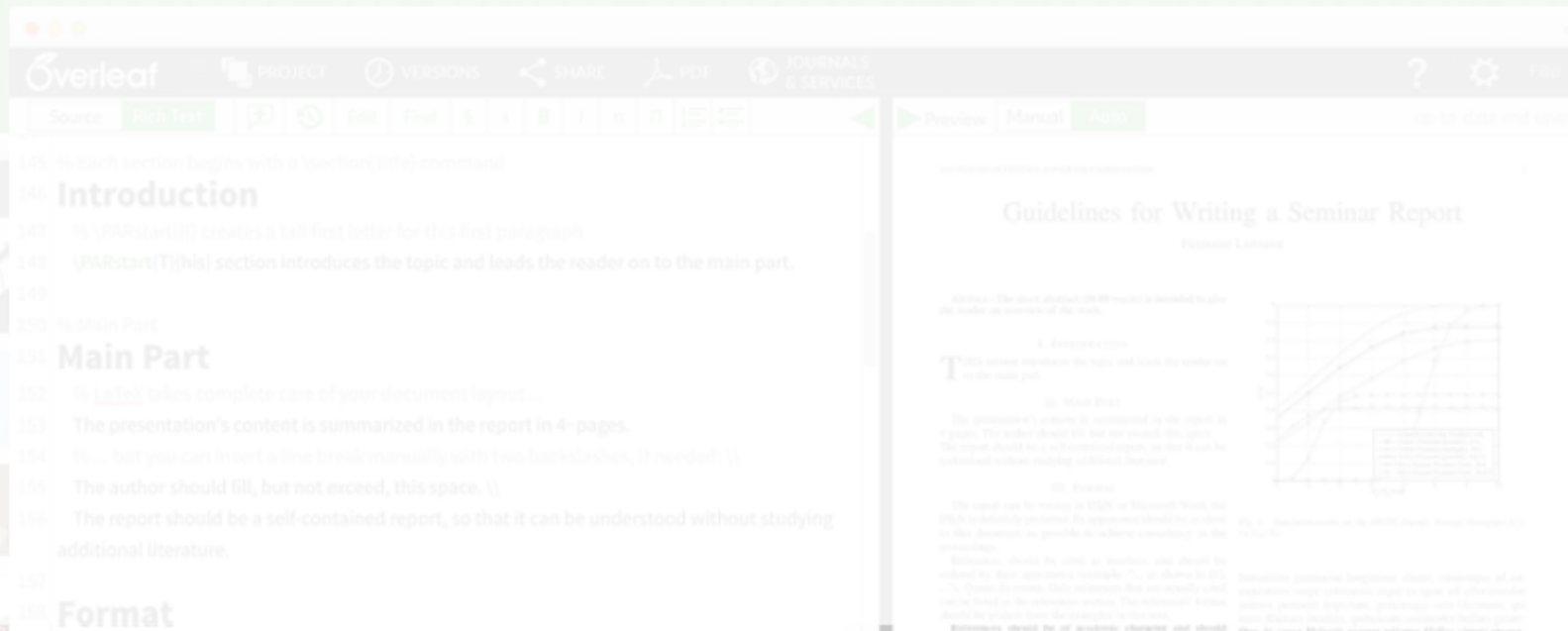


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## Share $LATEX$

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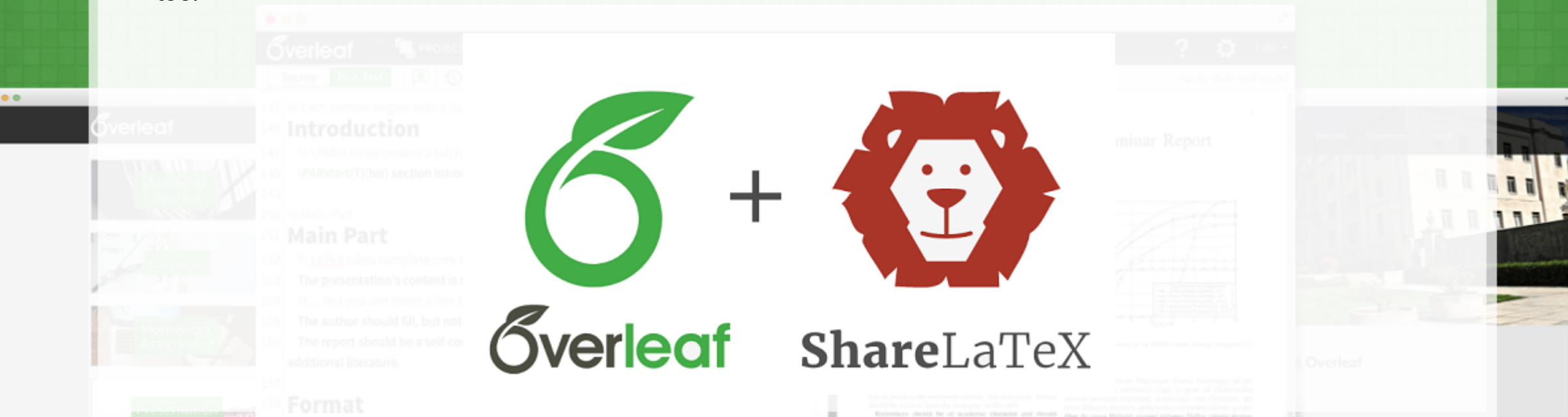
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## Share $LATEX$

- Share $LATEX$  is yet another tool for online collaborative  $LATEX$  editing.
- Its web editor has even more useful features, than Overleaf
- However, recently Overleaf acquired Share $LATEX$  and now they are combining two platforms into one powerful tool



files

LEGACY

example.eps

example.png

example.ps

mnras.bst

mnras.cls

mnras\_guide.tex

mnras\_template.tex

readme.txt

DOWNLOAD AS ZIP

Save to Dropbox

Project Folder

```
1 % mnras_template.tex
2 %
3 % LaTeX template for creating an MNRAS paper
4 %
5 % v3.0 released 14 May 2015
6 % (version numbers match those of mnras.cls)
7 %
8 % Copyright (C) Royal Astronomical Society 2015
9 % Authors:
10 % Keith T. Smith (Royal Astronomical Society)
11
12 % Change log
13 %
14 % v3.0 May 2015
15 %   Renamed to match the new package name
16 %   Version number matches mnras.cls
17 %   A few minor tweaks to wording
18 % v1.0 September 2013
19 %   Beta testing only - never publicly released
20 %   First version: a simple (ish) template for creating an
    MNRAS paper
21
22 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
23 % Basic setup. Most papers should leave these options alone.
24 \documentclass[fleqn,usenatbib]{mnras}
25
26 % MNRAS is set in Times font. If you don't have this
    installed (most LaTeX
27 % installations will be fine) or prefer the old Computer
    Modern fonts, comment
28 % out the following line
29 \usepackage{newtxtext,newtxmath}
30 % Depending on your LaTeX fonts installation, you might get
    better results with one of these:
31 %\usepackage{mathptmx}
32 %\usepackage{txfonts}
33
```

LaTeX editor

Real-time compiled PDF

MNRAS 000, 1–2 (2015) Preprint 23 October 2017 Compiled using MNRAS L<sup>A</sup>T<sub>E</sub>X style file v3.0

MNRAS L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> template – title goes here

Keith T. Smith,<sup>1</sup>\* A. N. Other,<sup>2</sup> Third Author<sup>2,3</sup> and Fourth Author<sup>3</sup>

<sup>1</sup>Royal Astronomical Society, Burlington House, Piccadilly, London W1J 0BQ, UK

<sup>2</sup>Department, Institution, Street Address, City Postal Code, Country

<sup>3</sup>Another Department, Different Institution, Street Address, City Postal Code, Country

Accepted XXX. Received YYY; in original form ZZZ

ABSTRACT

This is a simple template for authors to write new MNRAS papers. The abstract should briefly describe the aims, methods, and main results of the paper. It should be a single paragraph not more than 250 words (200 words for Letters). No references should appear in the abstract.

Key words: keyword1 – keyword2 – keyword3

1 INTRODUCTION

This is a simple template for authors to write new MNRAS papers. See `mnras_sample.tex` for a more complex example, and `mnras_guide.tex` for a full user guide.

All papers should start with an Introduction section, which sets the work in context, cites relevant earlier studies in the field by [Others \(2013\)](#), and describes the problem the authors aim to solve (e.g. [Author 2012](#)).

2 METHODS, OBSERVATIONS, SIMULATIONS ETC.

Normally the next section describes the techniques the authors used. It is frequently split into subsections, such as Section 2.1 below.

2.1 Maths

Simple mathematics can be inserted into the flow of the text e.g.  $2 \times 3 = 6$  or  $v = 220 \text{ km s}^{-1}$ , but more complicated expressions should be entered as a numbered equation:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{1}$$

Refer back to them as e.g. equation (1).

2.2 Figures and tables

Figures and tables should be placed at logical positions in the text. Don't worry about the exact layout, which will be handled by the publishers.

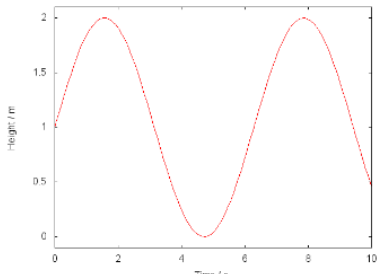


Figure 1. This is an example figure. Captions appear below each figure. Give enough detail for the reader to understand what they're looking at, but leave detailed discussion to the main body of the text.

A	B	C	D
1	2	3	4
2	4	6	8
3	5	7	9

Table 1. This is an example table. Captions appear above each table. Remember to define the quantities, symbols and units used.

Figures are referred to as e.g. Fig. 1, and tables as e.g. Table 1.

\* E-mail: mn@mras.org.uk (KTS)



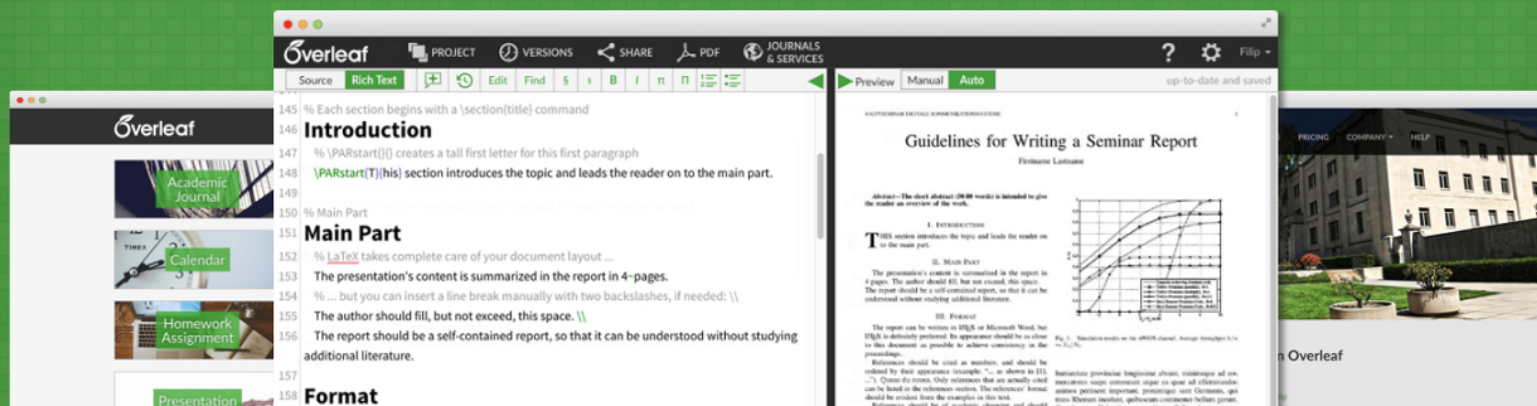


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# Thank you!