Overleaf and Zotero Integration

Media Skills for Music Researchers

Abigail Sanders 24.01.2025

Goals

- Get an overview of Overleaf and Zotero
- Learn how to integrate the two for adding citations and bibliography
- Motivation:
  - A seamless workflow for references while writing my thesis
  - A professional-looking and aesthetically pleasing end product
- Question:
  - Do I need/want to pay for Zotero Integration?

Methods

- Signing up for Overleaf and starting to put my Masters Thesis into it
- Learning LaTeX:
  - 30 minute guide
  - Youtube tutorials
  - Experimentation, trial and error

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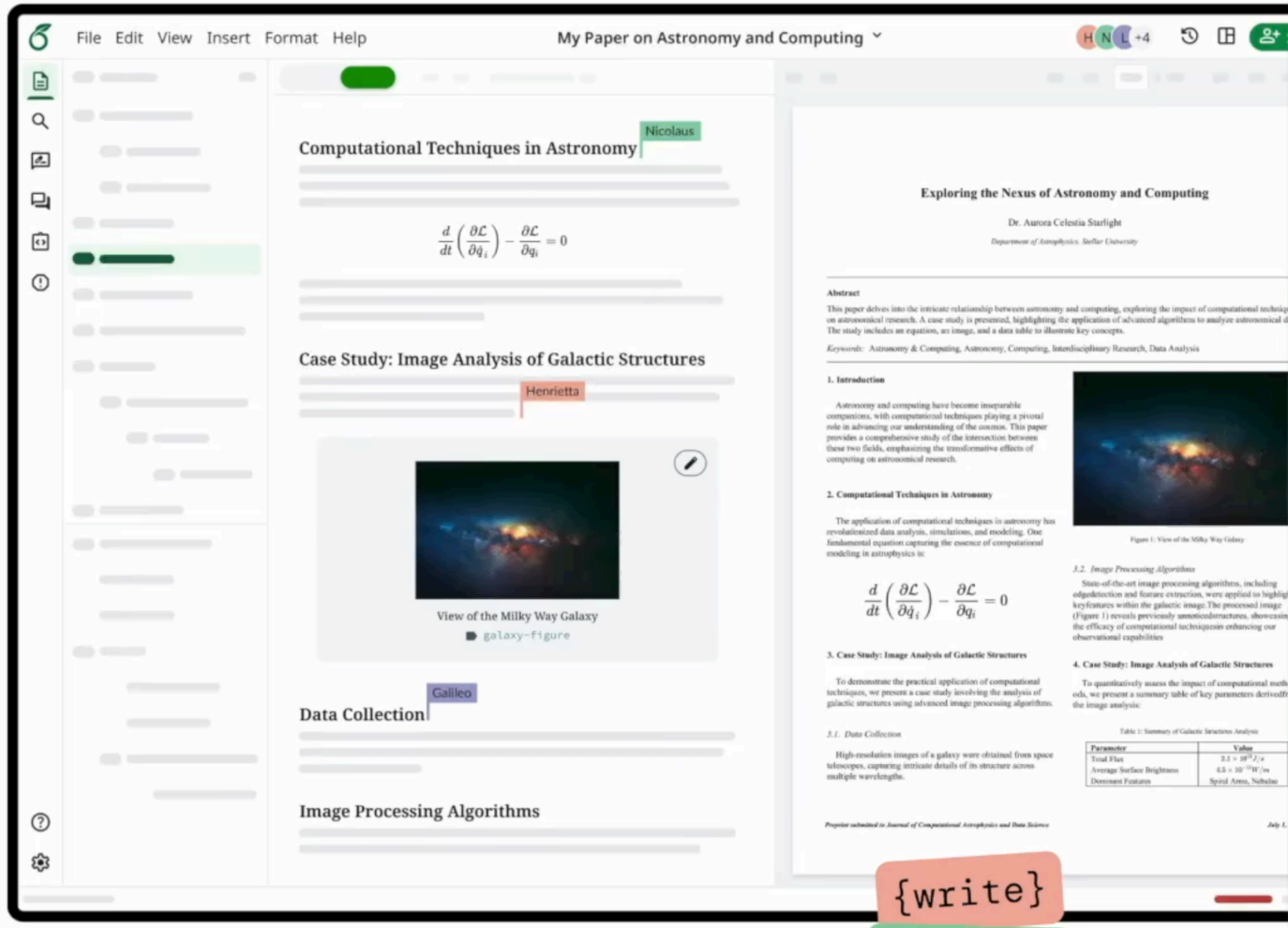

Documentation Home
Learn LaTeX in 30 minutes

Overleaf guides

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LaTeX basics

Creating your first LaTeX document
Paragraphs and new lines
Bold, italics and underlining
Lists
Errors

Mathematics

Mathematical expressions
Subscripts and superscripts
Brackets and Parentheses
Matrices
Fractions and Binomials
Aligning equations

Learn LaTeX

Struggling to create a LaTeX table? Need help formatting figures? You're in the right place. From LaTeX basics to advanced techniques, Overleaf has you covered.

Introduction to LaTeX

Start with our *Learn LaTeX in 30 minutes* guide.

See Overleaf's documentation for additional tutorial suggestions.

Overleaf guides

- Overleaf user documentation
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LaTeX essentials

See our comprehensive list of LaTeX topics. Some of the most popular pages in our collection include:

- Tables

Overleaf LaTeX

RANJI RAJ · Course

6 videos Last updated on 13 Aug 2023

Resume Comments

LaTeX tutorials on Overleaf!

1

Introduction to LaTeX on Overleaf | Tutorial 1

2

Basic Structure of a LaTeX Document on Overleaf | Tutorial 2

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How to create tables using LaTeX on Overleaf | Tutorial 3

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Creating Images on LaTeX using Overleaf | Tutorial 4

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Creating Flow Diagrams and Inserting Images in LaTeX | Tutorial 5

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Steven Bradburn
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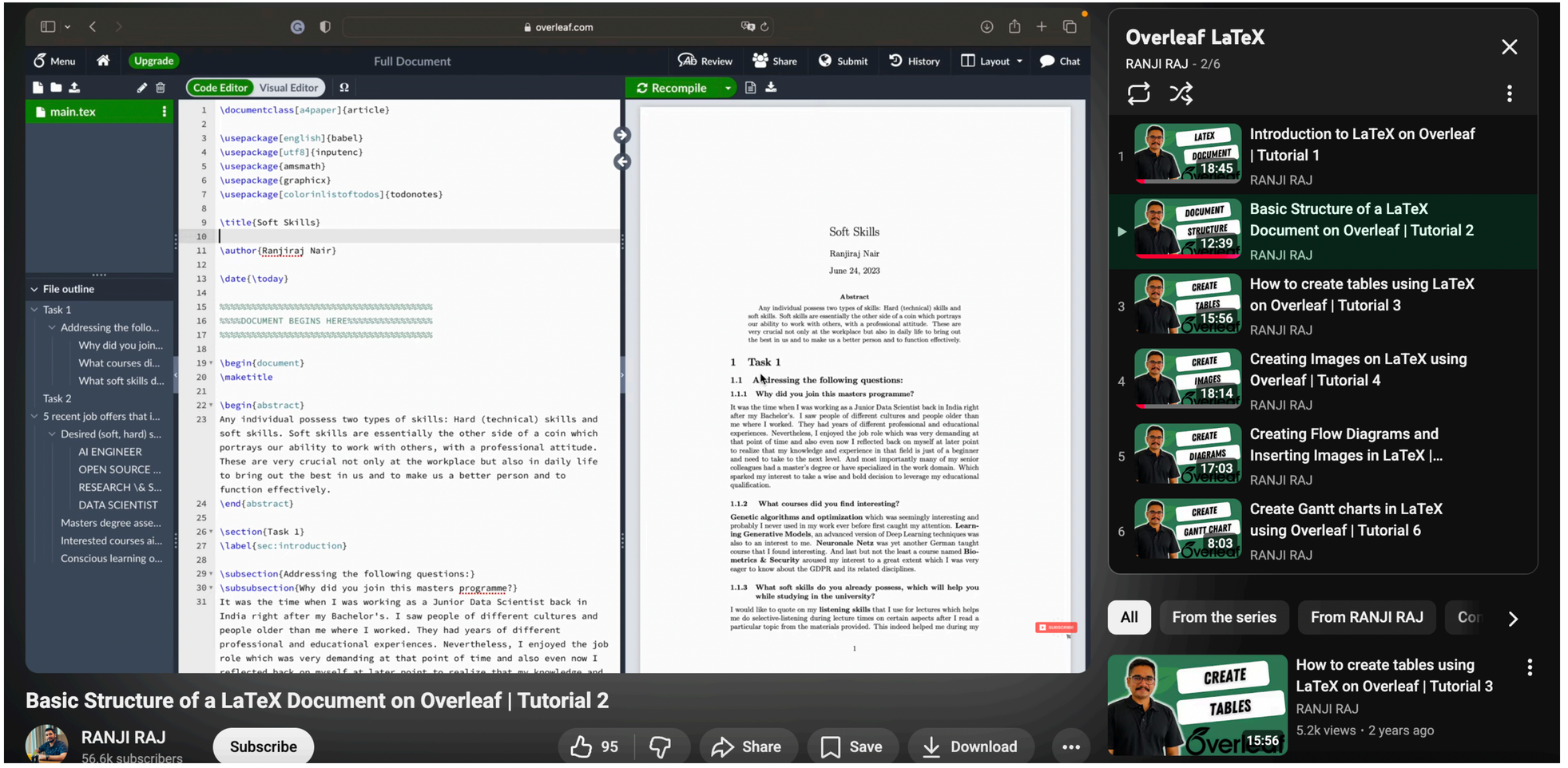
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Addressing the follo...
Why did you join...
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What soft skills d...
Task 2
5 recent job offers that i...
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DATA SCIENTIST
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\usepackage[english]{babel}
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\usepackage{amsmath}
\usepackage{graphicx}
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\title{Soft Skills}
\author{Ranjiraj Nair}
\date{\today}
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corsair
David Rothenberg
WHALE MUSIC
Thousand Mile Songs in a Sea of Sound
TERRA NOVA
THE CULTURAL LIVES OF WHALES AND DOLPHINS
Hal Whitehead + Luke Rendell
CHICAGO
how to speak whale
Tom Mustill
WILLIAM COLLINS
The Origins of Music
Wallin, Merker, and Brown, editors
ENCYCLOPEDIA OF
WHALES, DOLPHINS AND PORPOISES
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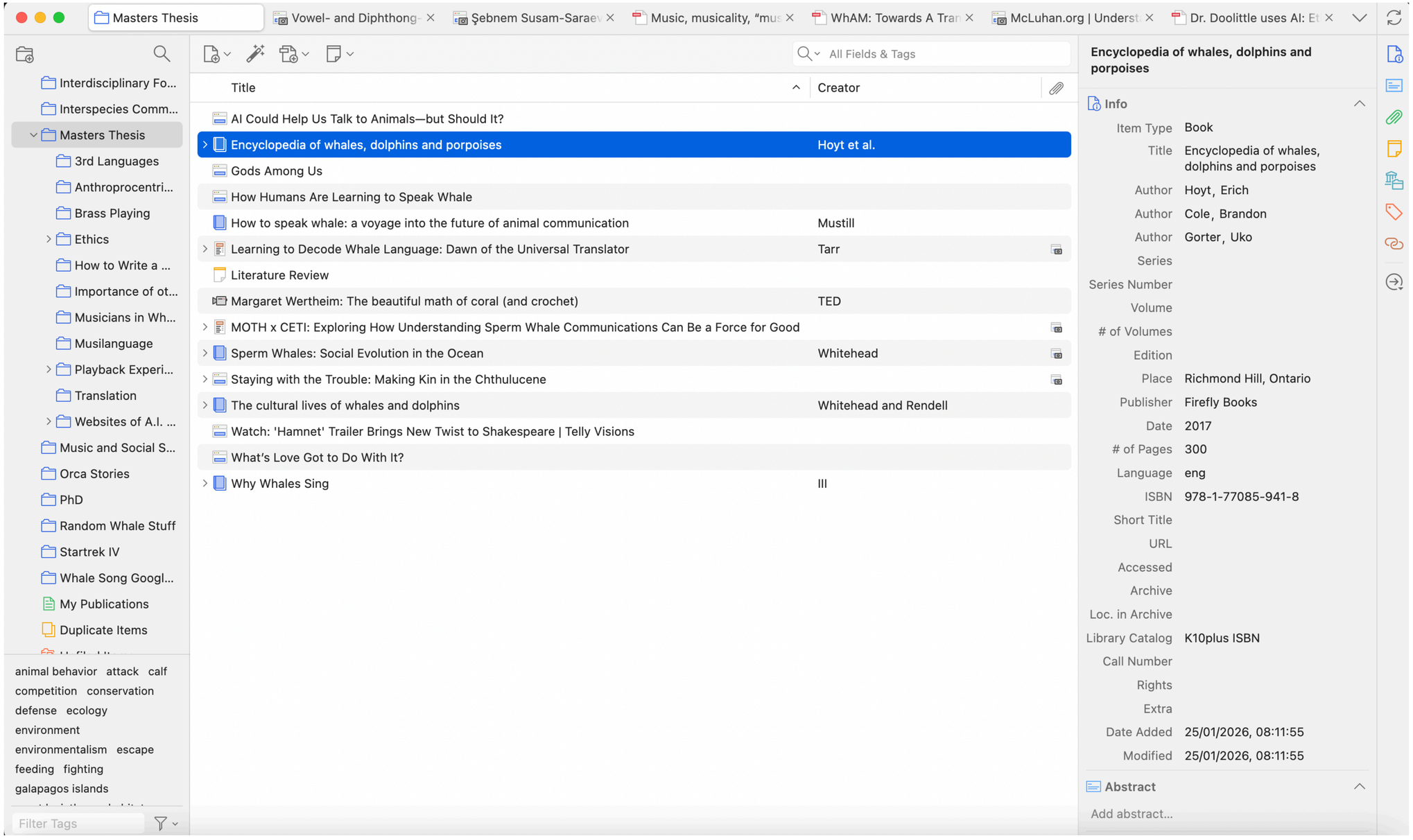
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defense ecology
environment
environmentalism escape
feeding fighting
galapagos islands
Filter Tags
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Creator
AI Could Help Us Talk to Animals—but Should It?
Encyclopedia of whales, dolphins and porpoises
Hoyt et al.
Gods Among Us
How Humans Are Learning to Speak Whale
How to speak whale: a voyage into the future of animal communication
Mustill
Learning to Decode Whale Language: Dawn of the Universal Translator
Tarr
Literature Review
Margaret Wertheim: The beautiful math of coral (and crochet)
TED
MOTH x CETI: Exploring How Understanding Sperm Whale Communications Can Be a Force for Good
Sperm Whales: Social Evolution in the Ocean
Whitehead
Staying with the Trouble: Making Kin in the Chthulucene
The cultural lives of whales and dolphins
Whitehead and Rendell
Watch: 'Hamnet' Trailer Brings New Twist to Shakespeare | Telly Visions
What's Love Got to Do With It?
Why Whales Sing
III
Encyclopedia of whales, dolphins and porpoises
Info
Item Type Book
Title Encyclopedia of whales, dolphins and porpoises
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Author Cole, Brandon
Author Gorter, Uko
Series
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Publisher Firefly Books
Date 2017
# of Pages 300
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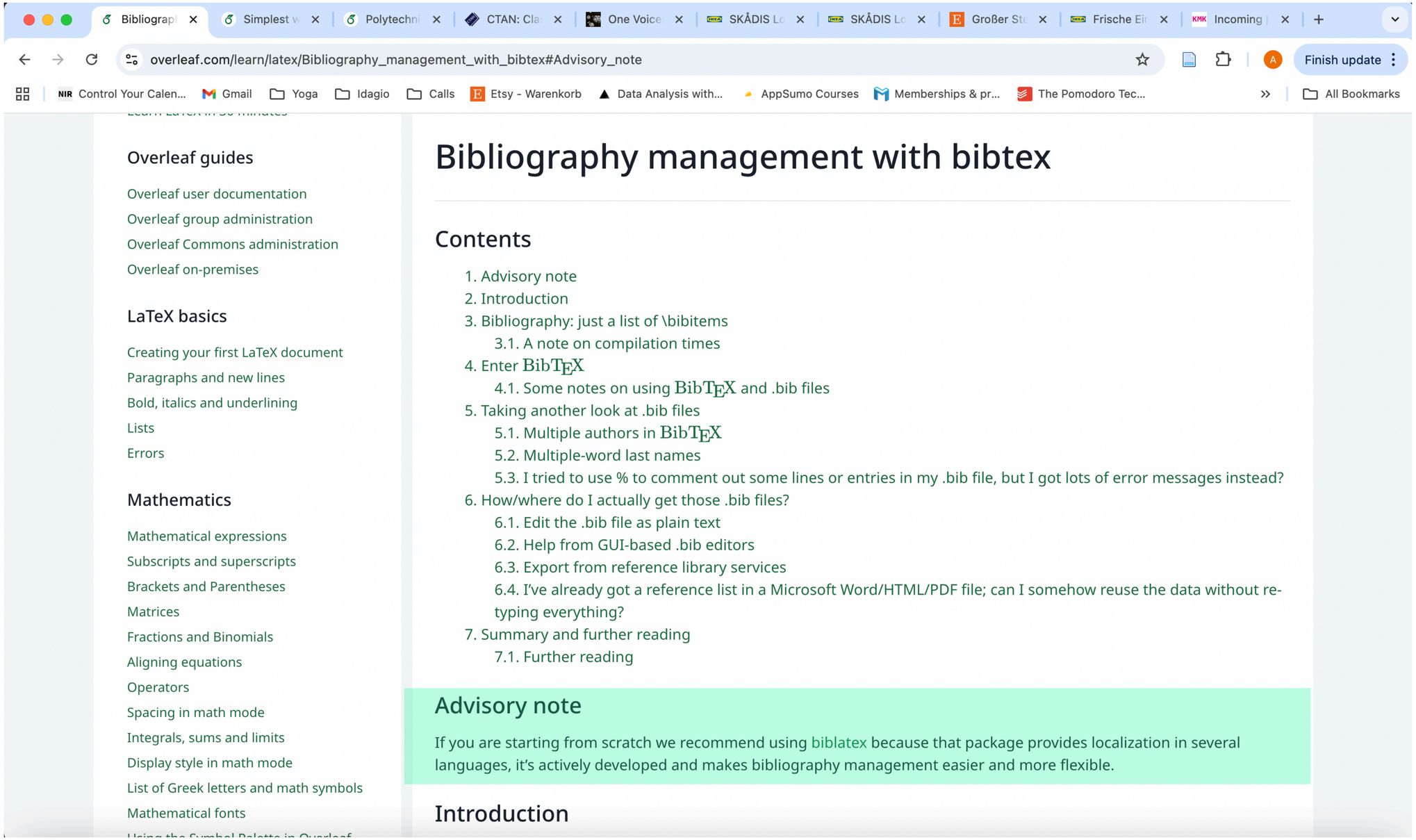
Modified 25/01/2026, 08:11:55
Abstract
Add abstract...

Question:
Often researchers quote exact page numbers from books in their papers. How do we deal with that in Zotero or in the Thesis Document itself?

Multiple Zotero Entries?
Editing in the doc individually?



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Bibliography management with bibtex

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1. Advisory note
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    3.1. A note on compilation times
4. Enter BibTeX
    4.1. Some notes on using BibTeX and .bib files
5. Taking another look at .bib files
    5.1. Multiple authors in BibTeX
    5.2. Multiple-word last names
    5.3. I tried to use % to comment out some lines or entries in my .bib file, but I got lots of error messages instead?
6. How/where do I actually get those .bib files?
    6.1. Edit the .bib file as plain text
    6.2. Help from GUI-based .bib editors
    6.3. Export from reference library services
    6.4. I've already got a reference list in a Microsoft Word/HTML/PDF file; can I somehow reuse the data without re-typing everything?
7. Summary and further reading
    7.1. Further reading

Advisory note

If you are starting from scratch we recommend using biblatex because that package provides localization in several languages, it's actively developed and makes bibliography management easier and more flexible.

Introduction

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Bibliography management in LaTeX

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2. Basic usage
3. The bibliography file
4. Customizing the bibliography
5. Adding the bibliography in the table of contents
6. Reference guide
7. Further reading

Introduction

When it comes to bibliography-management packages, there are three main options in LaTeX: `bibtex`, `natbib` and `biblatex`.

This article explains how to use the `biblatex` package, to manage and format the bibliography in a LaTeX document. `biblatex` is a modern option for processing bibliography information, provides an easier and more flexible interface and a better language localization than the other two options.

A minimal working example of the `biblatex` package is shown below:

```
\documentclass[letterpaper,10pt]{article}
\usepackage{biblatex} %Imports biblatex package
\addbibresource{sample.bib} %Import the bibliography file
```

COLLABORATING
Track changes
Reviewing and reviewers
Transferring project ownership

INTEGRATIONS AND ADD-ONS
Git integration and GitHub synchronization
Dropbox
Reference Manager integrations
Papers
Zotero
Mendeley
R code (knitr)
AI features
Grammarly
Google Drive

Powered by GitBook

INTEGRATIONS AND ADD-ONS

Copy

Reference Manager integrations

Was this helpful?

You can import bibliographic data from your favorite Reference Management tool in order to streamline citing and referencing in your Overleaf project.

Reference manager integration is a premium feature. Overleaf premium features are available to participants in Overleaf Commons, members of group subscriptions, and owners of individual subscriptions.

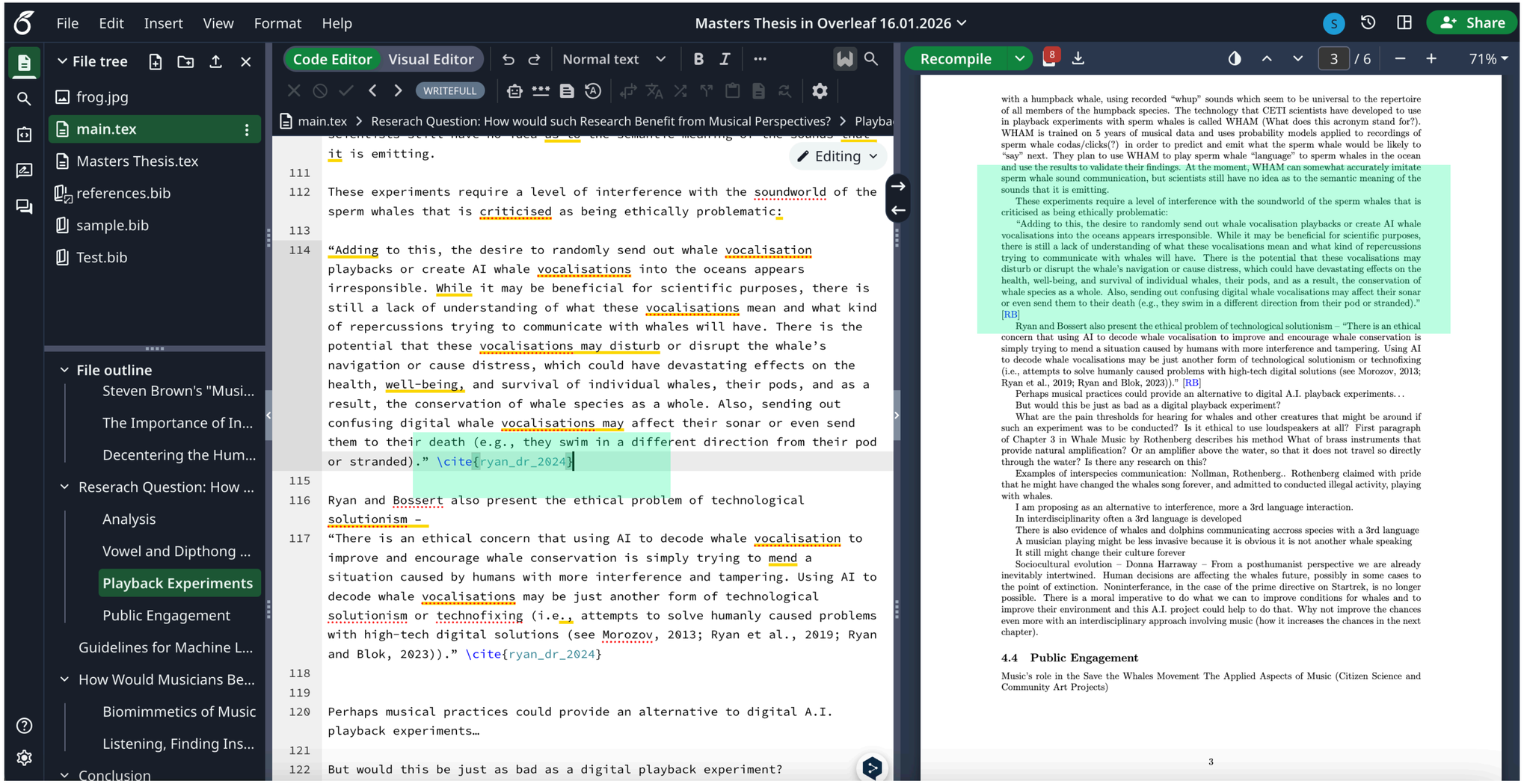
Overleaf offers integrations with popular reference management tools: **Papers**, **Zotero**, and **Mendeley**.

Overleaf's reference manager integrations allow you to import entire .bib files that are synchronized with your reference manager, or build your project's .bib file dynamically with data from your reference manager using the Advanced Reference Search feature.

Papers

Zotero

Mendeley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Guidelines for Machine L...
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Biomimmetics of Music
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These experiments require a level of interference with the soundworld of the sperm whales that is criticised as being ethically problematic:
“Adding to this, the desire to randomly send out whale vocalisation playbacks or create AI whale vocalisations into the oceans appears irresponsible. While it may be beneficial for scientific purposes, there is still a lack of understanding of what these vocalisations mean and what kind of repercussions trying to communicate with whales will have. There is the potential that these vocalisations may disturb or disrupt the whale’s navigation or cause distress, which could have devastating effects on the health, well-being, and survival of individual whales, their pods, and as a result, the conservation of whale species as a whole. Also, sending out confusing digital whale vocalisations may affect their sonar or even send them to their death (e.g., they swim in a different direction from their pod or stranded).” \cite{ryan_dr_2024}
Ryan and Bossert also present the ethical problem of technological solutionism –
“There is an ethical concern that using AI to decode whale vocalisation to improve and encourage whale conservation is simply trying to mend a situation caused by humans with more interference and tampering. Using AI to decode whale vocalisations may be just another form of technological solutionism or technofixing (i.e., attempts to solve humanly caused problems with high-tech digital solutions (see Morozov, 2013; Ryan et al., 2019; Ryan and Blok, 2023)).” \cite{ryan_dr_2024}
Perhaps musical practices could provide an alternative to digital A.I. playback experiments…
But would this be just as bad as a digital playback experiment?
Recompile
3 / 6
71%
with a humpback whale, using recorded “whup” sounds which seem to be universal to the repertoire of all members of the humpback species. The technology that CETI scientists have developed to use in playback experiments with sperm whales is called WHAM (What does this acronym stand for?). WHAM is trained on 5 years of musical data and uses probability models applied to recordings of sperm whale codas/clicks(?) in order to predict and emit what the sperm whale would be likely to “say” next. They plan to use WHAM to play sperm whale “language” to sperm whales in the ocean and use the results to validate their findings. At the moment, WHAM can somewhat accurately imitate sperm whale sound communication, but scientists still have no idea as to the semantic meaning of the sounds that it is emitting.
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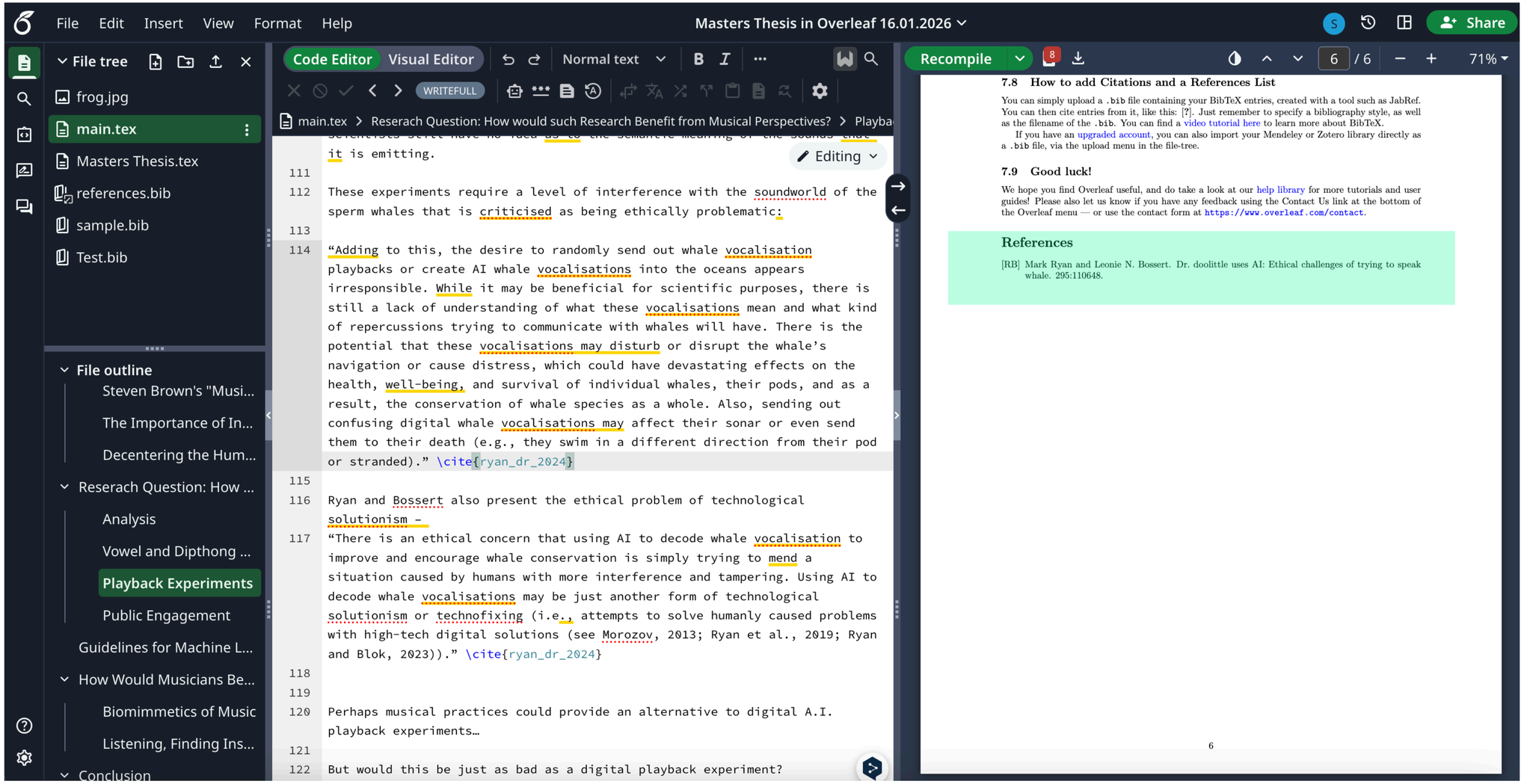
Perhaps musical practices could provide an alternative to digital A.I. playback experiments. . .
But would this be just as bad as a digital playback experiment?
What are the pain thresholds for hearing for whales and other creatures that might be around if such an experiment was to be conducted? Is it ethical to use loudspeakers at all? First paragraph of Chapter 3 in Whale Music by Rothenberg describes his method What of brass instruments that provide natural amplification? Or an amplifier above the water, so that it does not travel so directly through the water? Is there any research on this?
Examples of interspecies communication: Nollman, Rothenberg.. Rothenberg claimed with pride that he might have changed the whales song forever, and admitted to conducted illegal activity, playing with whales.
I am proposing as an alternative to interference, more a 3rd language interaction.
In interdisciplinarity often a 3rd language is developed
There is also evidence of whales and dolphins communicating accross species with a 3rd language
A musician playing might be less invasive because it is obvious it is not another whale speaking
It still might change their culture forever
Sociocultural evolution – Donna Harraway – From a posthumanist perspective we are already inevitably intertwined. Human decisions are affecting the whales future, possibly in some cases to the point of extinction. Noninterferance, in the case of the prime directive on Startrek, is no longer possible. There is a moral imperative to do what we can to improve conditions for whales and to improve their environment and this A.I. project could help to do that. Why not improve the chances even more with an interdisciplinary approach involving music (how it increases the chances in the next chapter).
4.4 Public Engagement
Music’s role in the Save the Whales Movement The Applied Aspects of Music (Citizen Science and Community Art Projects)
3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Reserach Question: How ...
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Playback Experiments
Public Engagement
Guidelines for Machine L...
How Would Musicians Be...
Biomimmetics of Music
Listening, Finding Ins...
Conclusion
Recompile
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7.8 How to add Citations and a References List
You can simply upload a .bib file containing your BibTeX entries, created with a tool such as JabRef. You can then cite entries from it, like this: [?]. Just remember to specify a bibliography style, as well as the filename of the .bib. You can find a video tutorial here to learn more about BibTeX.
If you have an upgraded account, you can also import your Mendeley or Zotero library directly as a .bib file, via the upload menu in the file-tree.
7.9 Good luck!
We hope you find Overleaf useful, and do take a look at our help library for more tutorials and user guides! Please also let us know if you have any feedback using the Contact Us link at the bottom of the Overleaf menu — or use the contact form at https://www.overleaf.com/contact.
References
[RB] Mark Ryan and Leonie N. Bossert. Dr. doolittle uses AI: Ethical challenges of trying to speak whale. 295:110648.
6

Evaluation

Are Overleaf + Zotero better than Pages + Zotero for my Thesis?

Pros

- Much better and more professional looking end result
- No need to keep the sections and citations in my head, focus on content
- Might be useful to know for the future
- Saves much time and stress at the end with formatting, bibliography etc.

Cons

- Will cost in total €60 more
- Very busy text editor
- Learning curve could interrupt the writing flow
- Could take more time upfront
- Don’t really need a lot of the features

Decision Time

- Motivation:
  - A seamless workflow for references while writing my thesis
  - A professional-looking and aesthetically pleasing end product
- Question:
  - Do I need/want to pay for Zotero Integration?

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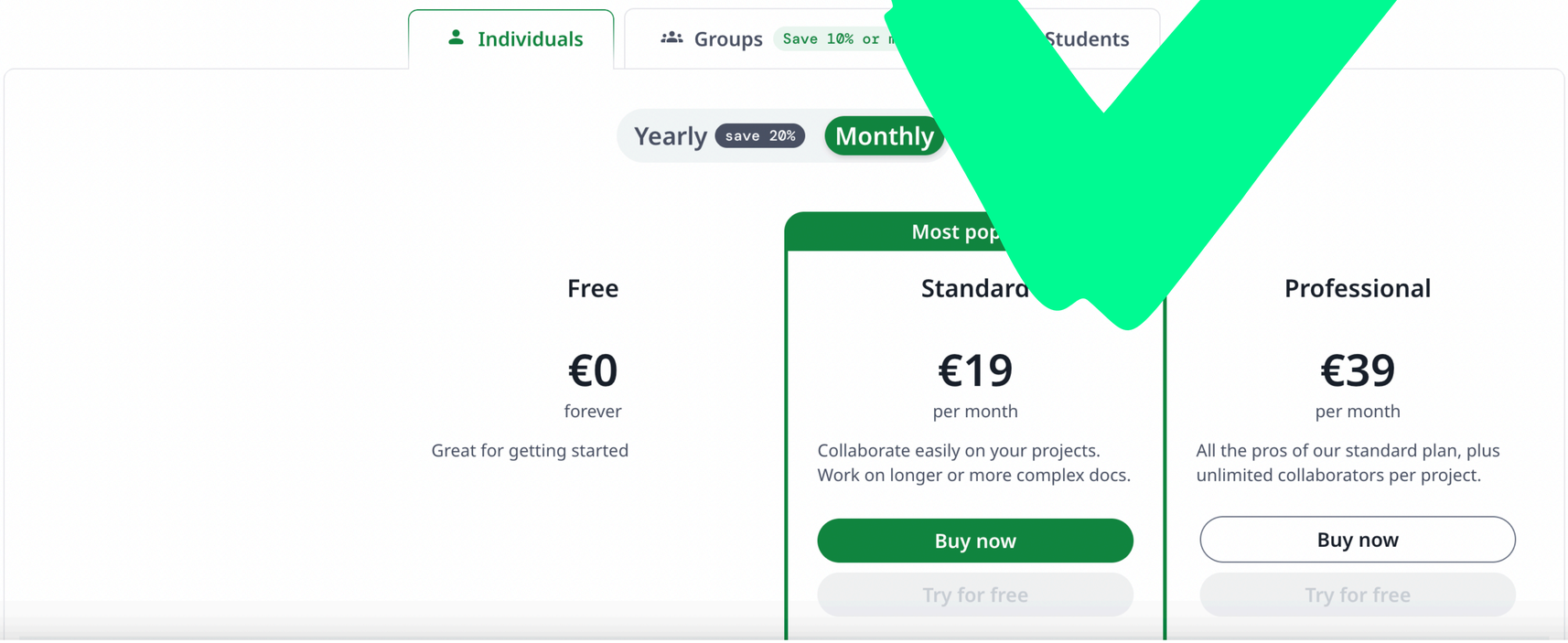
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