

# Evaluation of Machine Learning Algorithms for Speech Prioritisation in Noisy Environments

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# Abstract

This skeleton demonstrates how to use the `infthesis` style for undergraduate dissertations in the School of Informatics. It also emphasises the page limit, and that you must not deviate from the required style. The file `skeleton.tex` generates this document and should be used as a starting point for your thesis. Replace this abstract text with a concise summary of your report.

# Research Ethics Approval

**Instructions:** *Agree with your supervisor which statement you need to include. Then delete the statement that you are not using, and the instructions in italics.*

***Either complete and include this statement:***

This project obtained approval from the Informatics Research Ethics committee.

Ethics application number: ???

Date when approval was obtained: YYYY-MM-DD

*[If the project required human participants, edit as appropriate, otherwise delete:]*

The participants' information sheet and a consent form are included in the appendix.

***Or include this statement:***

This project was planned in accordance with the Informatics Research Ethics policy. It did not involve any aspects that required approval from the Informatics Research Ethics committee.

## Declaration

I declare that this thesis was composed by myself, that the work contained herein is my own except where explicitly stated otherwise in the text, and that this work has not been submitted for any other degree or professional qualification except as specified.

*(Nikodem Bieniek)*

# Acknowledgements

Any acknowledgements go here.

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# Chapter 1

## Introduction

The preliminary material of your report should contain:

- The title page.
- An abstract page.
- Declaration of ethics and own work.
- Optionally an acknowledgements page.
- The table of contents.

As in this example `skeleton.tex`, the above material should be included between:

```
\begin{preliminary}  
...  
\end{preliminary}
```

This style file uses roman numeral page numbers for the preliminary material.

The main content of the dissertation, starting with the first chapter, starts with page 1.  
***The main content must not go beyond page 40.***

The report then contains a bibliography and any appendices, which may go beyond page 40. The appendices are only for any supporting material that's important to go on record. However, you cannot assume markers of dissertations will read them.

You may not change the dissertation format (e.g., reduce the font size, change the margins, or reduce the line spacing from the default single spacing). Be careful if you copy-paste packages into your document preamble from elsewhere. Some L<sup>A</sup>T<sub>E</sub>X packages, such as `fullpage` or `savetrees`, change the margins of your document. Do not include them!

Over-length or incorrectly-formatted dissertations will not be accepted and you would have to modify your dissertation and resubmit. You cannot assume we will check your submission before the final deadline and if it requires resubmission after the deadline to conform to the page and style requirements you will be subject to the usual late penalties based on your final submission time.

## 1.1 Using Sections

Divide your chapters into sub-parts as appropriate.

## 1.2 Citations

When citing work using author names, your sentences should still read as correct English if any parts in parenthesis are removed. Use `\citet` when citing the name as text that's part of your sentence:

We follow the method of Arimura (1997).

and use `\citep` for a parenthetical citation:

It's possible to learn first-order Horn sequences from entailment (Chang and Keisler, 1990).

You may use any consistent reference style that you prefer, including “[1]” numerical citations.

## **Chapter 2**

### **Your next chapter**

A dissertation usually contains several chapters.



# Chapter 3

## Conclusions

### 3.1 Final Reminder

The body of your dissertation, before the references and any appendices, *must* finish by page 40. The introduction, after preliminary material, should have started on page 1.

You may not change the dissertation format (e.g., reduce the font size, change the margins, or reduce the line spacing from the default single spacing). Be careful if you copy-paste packages into your document preamble from elsewhere. Some L<sup>A</sup>T<sub>E</sub>X packages, such as `fullpage` or `savetrees`, change the margins of your document. Do not include them!

Over-length or incorrectly-formatted dissertations will not be accepted and you would have to modify your dissertation and resubmit. You cannot assume we will check your submission before the final deadline and if it requires resubmission after the deadline to conform to the page and style requirements you will be subject to the usual late penalties based on your final submission time.

# Bibliography

Hiroki Arimura. Learning acyclic first-order horn sentences from entailment. In *Proc. of the 8th Intl. Conf. on Algorithmic Learning Theory, ALT '97*, pages 432–445, 1997.

Chen-Chung Chang and H. Jerome Keisler. *Model Theory*. North-Holland, third edition, 1990.

# **Appendix A**

## **First appendix**

### **A.1 First section**

Any appendices, including any required ethics information, should be included after the references.

Markers do not have to consider appendices. Make sure that your contributions are made clear in the main body of the dissertation (within the page limit).

# **Appendix B**

## **Participants' information sheet**

If you had human participants, include key information that they were given in an appendix, and point to it from the ethics declaration.

# **Appendix C**

## **Participants' consent form**

If you had human participants, include information about how consent was gathered in an appendix, and point to it from the ethics declaration. This information is often a copy of a consent form.