



# Title of your thesis

**First (Middle) Last name, BSc (Hons), MRes**  
School of Computing and Communications  
Lancaster University

A thesis submitted for the degree of  
*Doctor of Philosophy*

August, 2021

I dedicate this thesis to someone. (this is not required when submitting your thesis before your viva and you can add a dedication in your final thesis after your viva if you wish.)

## Declaration

I declare that the work presented in this thesis is, to the best of my knowledge and belief, original and my own work. The material has not been submitted, either in whole or in part, for a degree at this, or any other university. This thesis does not exceed the maximum permitted word length of 80,000 words including appendices and footnotes, but excluding the bibliography. A rough estimate of the word count is: 469

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**Abstract**

**This is the beginning of the abstract that according to the regulations should not be any longer than 300 words. See point 14 in appendix 2 of the regulations <https://bit.ly/2Q4H43I>.**

## Publications

(This is an example taken from Andrew Moore’s thesis, adapt this to suit your own thesis.)

**NOTE:** If you have done joint research e.g. whereby you are not the first author and you feel you need to state the contributions you have made in those papers that relate to your thesis then create another section like ‘Contribution Statements’ whereby you state your contributions in those papers that relate to the thesis. See Kelly Widdicks thesis (page 11) for a great example. If you do create a ‘Contribution Statements’ section that you may want to revise the your ‘Declaration’, of which Kelly Widdicks declaration is a good example. Kelly’s thesis link <https://eprints.lancs.ac.uk/id/eprint/143606/1/2019widdicksphd.pdf>. Also for more details on the regulations by the university on declaring contribution statements see point 18 in appendix 2 of <https://bit.ly/2Q4H43I>

**ADDITIONAL NOTE:** If you have any papers under review perhaps speak with your supervisor before adding them here for anonymity reasons.

Only one publication, shown below, has been created directly from the thesis, from which large portions of this published work is used within chapter 3:

Andrew Moore and Paul Rayson (Aug. 2018). “Bringing replication and reproduction together with generalisability in NLP: Three reproduction studies for Target Dependent Sentiment Analysis”. In: *Proceedings of the 27th International Conference on Computational Linguistics*. Santa Fe, New Mexico, USA: Association for Computational Linguistics, pp. 1132–1144. URL: <https://www.aclweb.org/anthology/C18-1097>

The following publication have been generated while developing this thesis, and to an extent has guided the thesis into what it has become:

Henry Moss et al. (July 2019). “FIESTA: Fast IdEntification of State-of-The-Art models using adaptive bandit algorithms”. In: *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*. Florence, Italy: Association for Computational Linguistics, pp. 2920–2930. DOI: [10.18653/v1/P19-1281](https://doi.org/10.18653/v1/P19-1281)

Andrew Moore and Paul Rayson (Aug. 2017). “Lancaster A at SemEval-2017 Task 5: Evaluation metrics matter: predicting sentiment from financial news headlines”. In: *Proceedings of the 11th International Workshop on Semantic*

*Evaluation (SemEval-2017)*. Vancouver, Canada: Association for Computational Linguistics, pp. 581–585. DOI: 10.18653/v1/S17-2095

Mahmoud El-Haj et al. (May 2016). “Learning Tone and Attribution for Financial Text Mining”. In: *Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC’16)*. Portorož, Slovenia: European Language Resources Association (ELRA), pp. 1820–1825. URL: <https://www.aclweb.org/anthology/L16-1287>

Andrew Moore, Paul Edward Rayson, and Steven Eric Young (2016). “Domain adaptation using stock market prices to refine sentiment dictionaries”. In: *Proceedings of the Emotion and Sentiment Analysis Workshop LREC 2016, Portorož, Slovenia*, pp. 63–66. URL: <http://gsi.dit.upm.es/esa2016/Proceedings-ESA2016.pdf>

## Acknowledgements

Acknowledgements you may want to make. (this is not required when submitting your thesis before your viva and you can add a dedication in your final thesis after your viva if you wish.)

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# Chapter 1

## Introduction

### 1.1 Example of a very long section title that can cause problems for the header if the header does not wrap section titles

Start of your introduction, with a reference to the relevant appendix A. Example of different citation styles (Moore and P. Rayson, 2018), and Moore and P. Rayson (2018). Example of a table 1.1:

1	2
3	4

Table 1.1: A table

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*1.1. Example of a very long section title that can cause problems for the header  
if the header does not wrap section titles*

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# Chapter 2

## Middle chapters

Middle.

# Chapter 3

## Conclusions

### 3.1 Introduction

Example of a figure 3.1:



Figure 3.1: UCREL logo.

# Appendix A

## Introduction

### A.1 Additional Tables

Some extra tables A.1 that should go in the appendix.

5	6
7	8

Table A.1: Caption



# References

- El-Haj, Mahmoud et al. (May 2016). “Learning Tone and Attribution for Financial Text Mining”. In: *Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC’16)*. Portorož, Slovenia: European Language Resources Association (ELRA), pp. 1820–1825. URL: <https://www.aclweb.org/anthology/L16-1287>.
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- Moore, Andrew, Paul Edward Rayson, and Steven Eric Young (2016). “Domain adaptation using stock market prices to refine sentiment dictionaries”. In: *Proceedings of the Emotion and Sentiment Analysis Workshop LREC 2016, Portorož, Slovenia*, pp. 63–66. URL: <http://gsi.dit.upm.es/esa2016/Proceedings-ESA2016.pdf>.
- Moss, Henry et al. (July 2019). “FIESTA: Fast IdEntification of State-of-The-Art models using adaptive bandit algorithms”. In: *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*. Florence, Italy: Association for Computational Linguistics, pp. 2920–2930. DOI: 10.18653/v1/P19-1281.