



**UNIVERSITY  
OF TURKU**

PEEPOO ROBOT LANGUAGE

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MSc thesis  
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Command `\vspace` leaves space between the paragraphs, 4mm looks good.

Write the abstract compactly, avoiding unnecessary repetition.

Keywords: Abstract, MSc thesis,  $\text{\LaTeX}$  system.



**Contents**

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Foundations of Statistical Learning for NLP</b>	<b>2</b>
<b>3</b>	<b>Representation Learning</b>	<b>3</b>
3.1	Word Embeddings . . . . .	3



# 1 Introduction

This section includes general description of the field and the topic of the MSc thesis.

Note that if you have used AI in your writing, you must mention it. Check for guidelines <https://utuguides.fi/artificialintelligence>. Good place to mention that AI tools have been used is here, for example, in the following form:

The ChatGPT AI has been used to enhance the language of the thesis.

## 2 Foundations of Statistical Learning for NLP

**Theorem 1.** *Assume that in interval  $[a, b]$   $F'(x) = f(x)$  holds and that  $f$  is continuous.<sup>1</sup> Then*

$$\int_a^b f(x) dx = F(b) - F(a).$$

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<sup>1</sup>The continuity is essential here.

## 3 Representation Learning

### 3.1 Word Embeddings

## References

- [1] Newton and Leibniz
- [2] Riemann