Towards impressive titles

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Acknowledgements

I am a student blalsadf

Abstract

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Sammanfattning

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Contents

Chapter 1

Introduction

1.1 Background

- Why improve road condition monitoring?
- what is Trafikverket and what do they do?
- weatherstations, what are they? What's the road surface temperature sensor?
- why is it desirable to simulate the road sensor?
- what is machine learning?
- why should machine learning be used for this purpose?

1.2 Objective

The objective is to determine if a road surface temperature sensor can be simulated with prediction models based on data from road weather information systems.

1.3 Scope

1.4 Thesis structure

Chapter 2

Literature Review

Write about literature regarding methods used.

2.1 Neural networks

Chapter 3

Method

Describe what methods are used to carry out the research. Describe that either several machine learning models are used and compared or one is used and the work is to improve it etc.

3.1 Research purpose

3.2 Research approach

3.3 Research strategy

3.4 Tools

Chapter 4

Implementation and results

Describe the process of collecting data, training and implementing machine learning algorithms with different methods.

4.1 Data collection

4.2 Neural network

4.2.1 First iteration

4.2.2 Second iteration

Chapter 5

Analysis

Analyze data from the implementation with respect to the objective of the study.

5.1 Neural network

Chapter 6

Conclusions and recommendations

6.1 Conclusions

6.2 Recommendations

Chapter 7

Discussion

7.1 Thesis process

7.2 Validity and reliability

Validity and reliability of the conclusions. Needed?

7.3 Future work