

DESTINATION PREDICTION WITH DECISION TREE

AN OPPOSITION BY MARTIN AGFJORD *

OVERALL

Presentation -

Report - Well written, Interesting problem and solution. Many positive effects of using Decision Tree over other approaches.

EVALUATION

Title - Clear and well describing

RECOMMENDATIONS

Layout

3.1 Problem Description

About section *3.1 Problem Description*. You describe the problem you want to solve which is crucial for a thesis. I think that this section does not belong in a chapter about *Design and Implementation*. My recommendation is to move the section to the introduction. The section will then be a better hook to catch an interested reader early.

An alternative approach is change the section name to *Requirements specification* or *Design summary* or similar.

Decision Tree

Include section about how machine learning works in general and describe the machine learning terms you are using in the thesis, e.g. (statistical) classification, train-data, test-data.

I had some problem understanding how a Decision Tree works. You describe (in related work) that one of the powers of Decision Tree is that it can

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be represented in a tree, and a tree can easily be visualised in order to give an example.

I also had a hard time understanding why the ID3-algorithm works, I have however not taken courses in statistics and machine learning so it might be the reason. I do recommend a more detailed description, preferably with an example.

Training- and testdata

Overall, you describe your design and testing with data very carefully, but I miss a description of how the training and test data was decided. Without this description, one can make the very bad assumption that you tested on the same data as you trained on which would yield unreliable results.

DETAILS

Typos

Introduction

Page 1. helps from Ericsson -> help from Ericsson

Related Work

Page 3. faster than human -> faster than a human

Page 3. more precisely and helping avoid -> more precise and helps to avoid

Misunderstandings / Unclear

Related Work

Page 3. However, there is **rare** study beyond car itself that can provide suggestions and guidance to drivers before they get into trouble.

What do you mean?

Page 5. Both of these two approaches had made **appreciate** results.

Wrong word?