

OPPONENT'S EVALUATION OF THE BACHELOR'S THESIS

Student: Beibarys Abdigali

Opponent: Adam Viktorin

Study program: **Software Engineering**

Study course/Specialization: --

Academic year: **2023/2024**

Bachelor's Thesis topic: **Classification Methods Analysis for Benchmarking Datasets**

Evaluation of the thesis:

The topic of this work itself could be interesting but the thesis submitted by the student, in my opinion, does not fulfil the requirements for bachelor's thesis at Tomas Bata University in Zlín.

The list of all the grammatical and stylistic errors would be as long as the thesis itself. Thus, I will just resort to a single example:

Context – description of decision trees: “The strategic choices of development of trees greatly affect its correspondence.”

The sad part about it is that the selection of this particular sentence was purely random, which I believe defines the quality of the written text.

If I try and get past the fact that the work is written in a language that is close to English, there are multiple factual errors as well. Those can be mainly found in the description of algorithms but also in definitions of metrics, i.e. Euclidean distance, which is defined for 2D only.

The conclusion which states that the most important technique for classification tasks is Logistic Regression (statement that is based on the flawed methodology) is just the “cherry on top” of this work. Thus, I am left with no other choice than to not recommend this thesis for defense and I suggest the evaluation F – insufficient.

List of questions:

Did you use any translation service or generative AI for the text?

Is the F1 score, precision and recall computed correctly for the digits dataset? If so, how do you justify such low values?

In the introduction, you stated the following: “One should demonstrate the latest and the most innovative classifications systems.” Did you do that in your thesis?

Overall evaluation of the thesis:

The Opponent shall grant a mark according to the ECTS classification scale:

A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient

An “F” grade also means "I do not recommend the thesis for defence."

I do not recommend this thesis to be defended and suggest the following evaluation:

F - Insufficient

In the case of an evaluation grade of “F – Insufficient”, please supply the main shortages and reasons for this



Tomas Bata University in Zlín
Faculty of Applied Informatics

assessment.

Date: 24.5.2024

Thesis Opponent's Signature: