

**I. IDENTIFICATION DATA**

<b>Thesis title:</b>	<b>Data classification using linear support vector machines and MLP neural networks</b>
<b>Author's name:</b>	<b>Unsal Burak</b>
<b>Type of thesis :</b>	Bachelor thesis
<b>Faculty/Institute:</b>	FME, CTU
<b>Department:</b>	U12110
<b>Thesis reviewer:</b>	Matouš Cejnek.
<b>Reviewer's department:</b>	U12110

**II. EVALUATION OF INDIVIDUAL CRITERIA**

<b>Assignment</b> <i>How demanding was the assigned project?</i>	<b>A</b>
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<b>Fulfilment of assignment</b> <i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	<b>C</b>
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<b>Methodology</b> <i>Comment on the correctness of the approach and/or the solution methods.</i>	<b>C</b>
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<b>Technical level</b> <i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	<b>D</b>
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<b>Formal and language level, scope of thesis</b> <i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	<b>D</b>
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<b>Selection of sources, citation correctness</b> <i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	<b>E</b>
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<b>Additional commentary and evaluation (optional)</b> <i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>	
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### III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

In the theoretical section, there is a notable absence of references, which presents a significant problem. Furthermore, this section contains numerous minor factual or logical errors. For instance, the statement that support vector machines are commonly used in weather forecasting is misleading, as it is not a common practice. Additionally, there is an issue with excessive elaboration on basic concepts, while important topics such as Fourier transform and evaluation matrices are overlooked.

Section 2.7 focuses on experiments, but it is unclear whether these experiments were conducted by the author or if they were copied from external sources. In either case, the inclusion of code snippets without proper attribution is inappropriate. Ideally, references to the sources should be provided, or if the experiments are original, they should be placed in the appendix.

The main experiments presented towards the end of the work lack sufficient description and explanation. While some information can be inferred from the provided code snippets, it is insufficient for readers to fully comprehend the experiments.

In summary, the content of the research section is reasonably satisfactory. However, the formal aspects of the thesis exhibit significant issues, particularly concerning the absence or incorrect placement of references. The description of the experiments is somewhat improved, but it still lacks clarity for readers. Despite these shortcomings, the experiments appear to be the work of the author and are deemed sufficient for a bachelor thesis.

The grade that I awarded for the thesis is **D**.

Date: **11.6.2023**

Signature: