

## Supervisor's statement of a final thesis

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Design of anomaly detection for stock market trading
Computer Science

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Evaluation criterion:	The evaluation scale: 1 to 4.	
1. Fulfilment of the assignment	<u>1 = assignment fulfilled,</u> 2 = assignment fulfilled with minor objections, 3 = assignment fulfilled with major objections, 4 = assignment not fulfilled	
Criteria description: Assess whether the submitted FT defines the objectives sufficiently and in line with the assignment; whet In the comment, specify the points of the assignment that have not been met, assess the severity, impac differs substantially from the standards for the FT or if the student has developed the FT beyond the assignment's fulfilment and the way it affected your final evaluation.	her the objectives are formulated correctly and fulfilled sufficiently. t, and, if appropriate, also the cause of the deficiencies. If the assignment he assignment, describe the way it got reflected on the quality of the	
Comments:		
Assignment was fulfilled.		
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).	
2. Main written part	50 (E)	
Criteria description: Evaluate whether the extent of the FT is adequate to its content and scope: are all the parts of the FT con actually correct – are there factual errors or inaccuracies? Evaluate the logical structure of the FT, the the the reader. Assess whether the formal notations in the FT are used correctly. Assess the typographic and 3. Evaluate whether the relevant sources are properly used, quoted and cited. Verify that all quotes are p citation ethics has not been violated and that the citations are complete and in accordance with citation p copyrighted works have been used in accordance with their license terms.	tentful and necessary? Next, consider whether the submitted FT is matic flow between chapters and whether the text is comprehensible to language aspects of the FT, follow the Dean's Directive No. 26/2017, Art. roperly distinguished from the results achieved in the FT, thus, that the practices and standards. Finally, evaluate whether the software and other	
Comments:		
The text of the thesis contain a lot of grammatical errors typos and illogical statements. The text is many times puzzling and		
hard to follow mainly due to a had english. Citations are snarse and I would prefer a broader state of the art section, as		
anomaly detection for the time sequences is well documented topic.	···· ··· · · · · · · · · · · · · · · ·	
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Typical practice in the thesis is that generic images are huge while the important are small or lack any additional description (e.g. pages 29 - 30). Some terms like "feature not suitable" are used many times before they are explained.		
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).	
3. Non-written part, attachments	80 (B)	
Criteria description: Depending on the nature of the FT, comment on the non-written part of the thesis. For example: SW we development to deployment) suitable and adequate? HW – functional sample. Evaluate the technology experiment.	ork – the overall quality of the program. Is the technology used (from the y and tools used. Research and experimental work – repeatability of the	
Comments:		
From the code made, the best part is the data exporter tool which can be	used for further researcher.	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).	
4. Evaluation of results, publication outputs and awards	60 (D)	
<i>Criteria description:</i> Depending on the nature of the thesis, estimate whether the thesis results could be deployed in practice published/known results or whether they bring in completely new findings.	; alternatively, evaluate whether the results of the FT extend the already	
Comments:		
Presented results are not directly applicable, but it may be a good start. P	resented models are simple with few good ideas.	
Evaluation criterion:	The evaluation scale: 1 to 5.	

5. Activity and self-reliance of the student

5a: 1 = excellent activity, 2 = very good activity, **3 = average activity**, 4 = weaker, but still sufficient activity, 5 = insufficient activity 5b: 1 = excellent self-reliance, **2 = very good self-reliance**, 3 = average self-reliance, 4 = weaker, but still sufficient self-reliance, 5 = insufficient self-reliance.

Criteria description:

From your experience with the course of the work on the thesis and its outcome, review the student's activity while working on the thesis, his/her punctuality when meeting the deadlines and whether he/she consulted you as he/she went along and also, whether he/she was well prepared for these consultations (5a). Assess the student's ability to develop independent creative work (5b).

Comments:

The cooperation was a bit cumbersome from the beginning. Student advertised interesting data but it took him almost 2 months to acquire them and another month to create some usable sample. After that student rushed to compansate this delay. Unfortunatelly that lead to lot of mistakes.

Student really improved in working on his own.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
6. The overall evaluation	70 (C)

Criteria description:

Summarize which of the aspects of the FT affected your grading process the most. The overall grade does not need to be an arithmetic mean (or other value) calculated from the evaluation in the previous criteria. Generally, a well-fulfilled assignment is assessed by grade A.

Comments:

The thesis presents solution to the almost real time anomaly detection in stock trading data. Student conducted extensive experiments, yet the presented results are not good enough to be directly applicable. Presented models are simple with few good ideas, like spliting the day into logical parts. The overal presentation of the thesis is average while some sections being puzzling.

Final grade C - dobre

Signature of the supervisor: