Tomas Bata University in Zlín
Faculty of Applied Informatics

# SUPERVISOR´S EVALUATION OF THE MASTER´S THESIS

**Student:** **Li Peng** **Supervisor:** **prof. Ing. Roman Šenkeřík, Ph.D.**

Study program: **Information Technologies**
Study course/Specialization: **Software Engineering**
Academic year: **2022/2023**

Master's Thesis topic: **A.I. for Stock Trading**

| **Evaluation:** | | **A** | **B** | **C** | **D** | **E** | **F** |
|---|---|---|---|---|---|---|---|
| | | Evaluation: A – Best; F - Unsatisfactory | | | | | |
| 1. | Fulfilment of all points of the assignment | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 2. | Suitability of chosen resolution methods | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 3. | Division of work (chapters, subchapters, paragraphs) | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 4. | Working with literature and citations | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ |
| 5. | Level of linguistic elaboration | ☐ | ☐ | ☒ | ☐ | ☐ | ☐ |
| 6. | Formal level of work | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 7. | Theoretical part elaboration quality | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 8. | Practical part elaboration quality | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 9. | Achieved results of the work | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 10. | Contribution of the thesis and its exploitation | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 11. | Cooperation of thesis author with the supervisor | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Result of the plagiarism test:**
The work was assessed in terms of plagiarism with the result 3% identity (in formal parts). Work is not plagiarism.

**Overall evaluation of the thesis:**
The resulting mark is not the average of all of the abovementioned evaluations. The mark is awarded by the thesis supervisor according to their deliberations and the ECTS classification scale:
A – Excellent, B – Very good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient.
Grade F also means "I do not recommend this thesis for defence."

**I recommend this diploma thesis for its defence and suggest the following evaluation:**

**A - Excellent.**

**In the case of an "F – Insufficient" grade, provide comments and the shortages of the thesis and the reasons for this assessment.**

The thesis formally fulfils all the points of the assignment. The thesis presents a comprehensive overview of methods from the A.I. universe for time series prediction in stock trading. The student approached the problem in a highly active way, and I also positively evaluate the overall scope of the experiments. Some formal issues would require additional cleanup (especially the language, and a better explanation of the choice of the neural network optimizer). Overall, however, further research can build on the results achieved.

Date: 5. 6. 2023 Thesis Supervisor´s Signature: