

Review of Bachelor's Thesis

Student: Daniš Tomáš
Title: Machine Comprehension Using Commonsense Knowledge (id 21703)
Reviewer: Landini Federico Nicolás, UPGM FIT VUT

1. **Assignment complexity** **more demanding assignment**
The work required to understand a state of the art work, implement such model and evaluate it.
2. **Completeness of assignment requirements** **assignment fulfilled**
All the objectives were accomplished successfully.
3. **Length of technical report** **exceeds requirements**
The work has a reasonable number of pages and the information is presented adequately. However, the level of detail of some explanations do not match: too much detail in simple things and not much detail in more complex parts.
4. **Presentation level of technical report** **75 p. (C)**
The work was well structured and presented in a very clear manner. However, the results could be presented in a more clear manner and that would have also helped in presenting the discussions and conclusions.
5. **Formal aspects of technical report** **95 p. (A)**
The report was of very high quality. The level of English was outstanding. There were only few minor mistakes that could easily be corrected and none of them would difficult understanding the ideas.
6. **Literature usage** **95 p. (A)**
Previous works were cited taking into account state-of-the-art publications on the field. The student's own ideas were identifiable.
7. **Implementation results** **85 p. (B)**
All used software not created by the student was referenced. However, it is not completely clear which parts required the student writing code.
8. **Utilizability of results**
The thesis extends a previous work by evaluating a model that was retrained on more data. Moreover, an ablation study is carried out in order to see the effect of different parts of the dataset in the quality of the results.
9. **Questions for defence**
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10. **Total assessment** **85 p. very good (B)**
The proposed work required understanding techniques used in state-of-the-art models. The work was properly structured and written in excellent English. Suggestions for improvement will be discussed with the student for him to take them into account in the future. References and citations to relevant works were provided. The hypotheses to be tested were interesting but they were presented in an unclear manner making it difficult to compare different experiments.

In Brno 30. May 2019

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