Review of Bachelor's Thesis

Student: Vašš Adam
Title: Topic Identification from Spoken TED-Talks (id 21519)
Reviewer: Ondel Lucas, Mgr., UPGM FIT VUT

1. **Assignment complexity**   **more demanding assignment**
   The difficulty resides mostly in the use of the speech recognition toolkit (Kaldi).

2. **Completeness of assignment requirements**   **student reasonably departed from the assignment**

   The student has successfully built an ASR system and a topic identification system.

3. **Length of technical report**   **almost in minimum requirements**
   The thesis is in "draft state" and obviously not finished.

4. **Presentation level of technical report**   **50 p. (E)**
   The thesis is correctly structured but the student presents a patchwork of pieces of information without really connecting them. Importantly, some of the statements are wrong showing a lack of understanding in key aspects of the ASR pipeline.

5. **Formal aspects of technical report**   **40 p. (F)**
   The thesis is not finished and has many grammatical mistakes and remaining "todos" statements.

6. **Literature usage**   **60 p. (D)**
   The literature is decent and appropriately used in the text. However, some parts of the thesis require more citations.

7. **Implementation results**   **70 p. (C)**
   The student has used the state of the art system for both ASR and TID. Also, despite being unfinished, the technical report gives a clear overview of the main components of the systems.

8. **Utilizability of results**
   This work uses several state of the art techniques and apply them on a publicly available dataset. Despite having no novelty, this work is interesting as it could serve as a baseline for research in topic identification of spoken documents.

9. **Questions for defence**
   * How to describe in a few sentences the main components of an ASR system?
   * How to analyze the results of the topic identification system? Is there any comparable results already published on similar corpus?

10. **Total assessment**   **60 p. satisfactory (D)**
    The student has successfully built relatively complex ASR and TID systems. The poor quality of the technical report prevents him to have a better grade.

In Brno 30. May 2019

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