

Bachelor's Thesis Specification



Student: **Kočí Jan**
Programme: Information Technology
Title: **Recommender System for Web Articles**
Category: Speech and Natural Language Processing
Assignment:

1. Describe the role of recommender systems.
2. Describe the obtained dataset and compare it with publicly available datasets.
3. Explore current approaches that are appropriate for building recommender systems.
4. Choose and describe at least one suitable approach, describe how the selected approach differs from the related work.
5. Describe your evaluation process for the chosen approach.
6. Implement the recommender system.
7. Evaluate the system.
8. If possible, do an ablation study.
9. Compare achieved results with state-of-the-art.

Recommended literature:

- Jiaxi Tang and Ke Wang. 2018. Personalized Top-N Sequential Recommendation via Convolutional Sequence Embedding. In Proceedings of the Eleventh ACM International Conference on Web Search and Data Mining (WSDM '18). Available at: <http://www.sfu.ca/~jiaxit/resources/wsdm18caser.pdf>

Requirements for the first semester:

- Complete items 1 to 5 of the assignment

Detailed formal requirements can be found at <http://www.fit.vutbr.cz/info/szz/>

Supervisor: **Fajčík Martin, Ing.**
Head of Department: Černocký Jan, doc. Dr. Ing.
Beginning of work: November 1, 2018
Submission deadline: May 15, 2019
Approval date: November 6, 2018