

ABSTRACT

Bachelor thesis contains 122 p., 14 fig., 10 tabl., 2 appendixes, 16 sources.

The purpose of this work is to research and implement methods for creating recommendations list based on structured and non-structured data and to describe working principals of movie recommender systems and to implement movie recommender system based on proposed algorithm.

The paper analyzes the methods to form recommendations for user, and conduct a review of the existing recommender systems.

The results achieved:

- algorithm to form recommendations based on structured and non-structured data of the domain is proposed;
- the movie recommender system is implemented;
- methods for evaluating the quality of proposed model are developed.

The novelty of the work:

- algorithm to form recommendations based on structured and non-structured data of the domain is proposed.

The results of this study is recommended to use when non-structured data is present.

For further research in this area, it is advisable to improve the way of data storage and modify the ranking algorithm.

MACHINE LEARNING, CLASSIFICATION, COLLABORATIVE FILTERING, LATENT FACTORS, RECOMMENDER SYSTEM.