
A HYBRID APPROACH FOR NEWS RECOMMENDER SYSTEM USING OPTIMIZATION METHODS

A PREPRINT

✉ **Alexander Smirnov**

Department of Information and Analytical Systems
Saint Petersburg State University
Russia, Saint Petersburg
ru.alexander.smirnov@gmail.com

✉ **Elena Mikhailova**

Department of Information and Analytical Systems
Saint Petersburg State University
Russia, Saint Petersburg
e.mikhaylova@spbu.ru

November 11, 2020

ABSTRACT

There are many approaches [Felfernig et al., 2014] to build recommender system. They have their advantages and disadvantages. In this work we address the question whether it worths to use as many information as we are able to collect to build a hybrid recommender system. This work is aimed to combine multiple recommenders via optimizing their contributions to weights vectors. Results show that combining different approaches leads to rise of users' involvement.

Keywords Recommender Systems · Optimizations

1 Introduction

References

A. Felfernig, Michael Jeran, Gerald Ninaus, Florian Reinfrank, Stefan Reiterer, and Martin Stettinger. *Basic Approaches in Recommendation Systems*, pages 15–37. 12 2014. doi:10.1007/978-3-642-45135-5__2.