

Accepted Manuscript

Improving Memory-Based User Collaborative Filtering with Evolutionary Multi-Objective Optimization

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PII: S0957-4174(18)30015-0
DOI: [10.1016/j.eswa.2018.01.015](https://doi.org/10.1016/j.eswa.2018.01.015)
Reference: ESWA 11763



To appear in: *Expert Systems With Applications*

Received date: 23 September 2017
Revised date: 3 January 2018
Accepted date: 11 January 2018

Please cite this article as: Nour El Islem Karabadji, Samia Beldjoudi, Hassina Seridi, Sabeur Aridhi, Wajdi Dhifli, Improving Memory-Based User Collaborative Filtering with Evolutionary Multi-Objective Optimization, *Expert Systems With Applications* (2018), doi: [10.1016/j.eswa.2018.01.015](https://doi.org/10.1016/j.eswa.2018.01.015)

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Highlights

- Memory-based collaborative filtering method is improved through a genetic algorithm.
- Multi-objective optimization is applied to find the appropriate group of neighbors.
- We propose an encoding that allows considering all possible neighbors.
- Our approach ensures accuracy and diversity of recommendations.
- We show the efficiency of our approach on benchmark and real-world datasets.

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