

Accepted Manuscript

Overlapping community detection in rating-based social networks through analyzing topics, ratings and links

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PII: S0031-3203(18)30148-1
DOI: [10.1016/j.patcog.2018.04.013](https://doi.org/10.1016/j.patcog.2018.04.013)
Reference: PR 6527



To appear in: *Pattern Recognition*

Received date: 24 August 2017
Revised date: 14 November 2017
Accepted date: 11 April 2018

Please cite this article as: Ali Reihanian , Mohammad-Reza Feizi-Derakhshi , Hadi S. Aghdasi , Overlapping community detection in rating-based social networks through analyzing topics, ratings and links, *Pattern Recognition* (2018), doi: [10.1016/j.patcog.2018.04.013](https://doi.org/10.1016/j.patcog.2018.04.013)

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Highlights

- A generic framework is proposed for community detection in social networks with special focus on rating-based social networks.
- The framework finds the overlapping communities in which the members are interested in the same topic, and the strengths of their relationships are based on the rate of their viewpoints' unity.
- A novel weighting strategy for rating-based social networks is proposed which performs based on value of ratings.
- Quantitative evaluations show that the proposed framework has better performance than 3 other relevant frameworks.

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