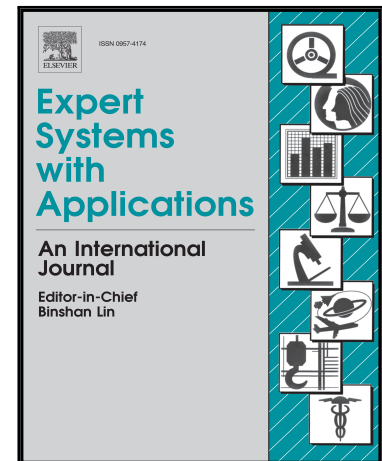


Accepted Manuscript

Identifying influential individuals in microblogging networks using graph partitioning

Mingqing Huang, Guobing Zou, Bofeng Zhang, Yanglan Gan, Susu Jiang, Keyuan Jiang

PII: S0957-4174(18)30100-3
DOI: [10.1016/j.eswa.2018.02.021](https://doi.org/10.1016/j.eswa.2018.02.021)
Reference: ESWA 11825



To appear in: *Expert Systems With Applications*

Received date: 22 June 2017
Revised date: 12 February 2018
Accepted date: 13 February 2018

Please cite this article as: Mingqing Huang, Guobing Zou, Bofeng Zhang, Yanglan Gan, Susu Jiang, Keyuan Jiang, Identifying influential individuals in microblogging networks using graph partitioning, *Expert Systems With Applications* (2018), doi: [10.1016/j.eswa.2018.02.021](https://doi.org/10.1016/j.eswa.2018.02.021)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A directed and weighted network is constructed to depict influence dissemination.
- Sociability and interest are combined to calculate spreading probability.
- Influential users are selected in social media using modularity structure analysis.
- Modularity and size of the community are integrated to promote propagation.
- The proposed approach outperforms three methods in effectiveness and efficiency.

Download English Version:

<https://daneshyari.com/en/article/6855049>

Download Persian Version:

<https://daneshyari.com/article/6855049>

[Daneshyari.com](https://daneshyari.com)