

A two-phase sampling algorithm for social networks

 Full
Sign-In or F

3
Author(s)

Z. S. Jalali ; A. Rezvanian ; M. R. Meybodi

Abstract

Authors

References

Cited By

Keywo

In recent years, the data used for analysis of social networks become very huge and re that it can be used an appropriate and small sampled network of original network for ar Sampling social network is referred to collect a small subgraph of original network with similarities between them. Due to important impact of sampling on the social network a algorithms have been proposed in the field of network sampling. In this paper, we propo two-phase algorithm for sampling online social networks. At first phase, our algorithm it constructs several set of minimum spanning trees (MST) of network. In the second pha proposed algorithm sorts vertices of MSTs and merge them to form a sampled network. simulation experiments are conducted to examine the performance of the proposed alg different networks. The obtained results are compared with counterpart algorithms in te KS-test and ND-test. From the results, it can be observed that the proposed algorithm c the existing algorithms.

Published in:

2015 2nd International Conference on Knowledge-Based Engineering and Innovation (I

Date of Conference:

5-6 Nov. 2015

Page(s):

1165 - 1169

Print ISBN:

978-1-4673-6505-5

Conference Location :

Tehran, Iran

DOI:

10.1109/KBEI.2015.7436212

Publisher:

IEEE

IEEE Account

- » Change Username/Password
- » Update Address

Purchase Details

- » Payment Options
- » Order History
- » View Purchased Documents

Profile Information

- » Communications Preferences
- » Profession and Education
- » Technical Interests

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest professional association for the advancement of technology.

© Copyright 2016 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.