Accepted Manuscript

Hidden Community Detection in Social Networks

Kun He, Yingru Li, Sucheta Soundarajan, John E. Hopcroft

PII: S0020-0255(17)31010-1 DOI: 10.1016/j.ins.2017.10.019

Reference: INS 13194

To appear in: Information Sciences

Received date: 19 September 2017 Revised date: 4 October 2017 Accepted date: 7 October 2017



Please cite this article as: Kun He, Yingru Li, Sucheta Soundarajan, John E. Hopcroft, Hidden Community Detection in Social Networks, *Information Sciences* (2017), doi: 10.1016/j.ins.2017.10.019

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.

ACCEPTED MANUSCRIPT

Highlights

- Propose a new conception of hidden community for network analysis.
- Provide a meta-approach called HICODE for finding the hidden communities.
- Several weakening methods are proposed to reduce the impact of the detected structure.
- The framework works iteratively to enhance the detection on both dominant communities and hidden communities.
- Extensive experiments demonstrate the effectiveness of the proposed method.

Download English Version:

https://daneshyari.com/en/article/6857045

Download Persian Version:

https://daneshyari.com/article/6857045

<u>Daneshyari.com</u>