## **Accepted Manuscript**

Predicting Software Revision Outcomes on GitHub Using Structural Holes Theory

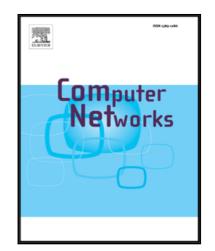
Libo Li, Frank Goethals, Bart Baesens, Monique Snoeck

PII: \$1389-1286(16)30276-6 DOI: 10.1016/j.comnet.2016.08.024

Reference: COMPNW 5993

To appear in: Computer Networks

Received date: 25 January 2016 Revised date: 9 August 2016 Accepted date: 24 August 2016



Please cite this article as: Libo Li , Frank Goethals , Bart Baesens , Monique Snoeck , Predicting Software Revision Outcomes on GitHub Using Structural Holes Theory, *Computer Networks* (2016), doi: 10.1016/j.comnet.2016.08.024

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**

- A novel approach combining ego-centric social network analysis, structural holes theory and survival analysis is used to predict software revision outcome
- A total of 32,962 revisions, 20,399 distinctive software project repositories, and a social network of 234,322 users were collected to validate the result

 Positional advantage in social network has been found to be associated with faster revision acceptance

### Download English Version:

# https://daneshyari.com/en/article/4954767

Download Persian Version:

https://daneshyari.com/article/4954767

Daneshyari.com