

Accepted Manuscript

Social contagions with heterogeneous credibility

Wei Wang, Xiao-Long Chen, Lin-Feng Zhong

PII: S0378-4371(18)30130-4
DOI: <https://doi.org/10.1016/j.physa.2018.02.052>
Reference: PHYSA 19172

To appear in: *Physica A*

Received date: 31 August 2017
Revised date: 15 November 2017

Please cite this article as: W. Wang, X. Chen, L. Zhong, Social contagions with heterogeneous credibility, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.02.052>

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

1. Proposed a non-Markovian model to understand how the heterogeneity of credibility from a microscopic perspective.
2. The growth pattern of the final adoption size is continuous when hubs in an ER network have low levels of credibility.
3. The growth pattern versus information transmission probability is always continuous on SF networks.
4. On both ER and SF networks, the final adoption size versus the heterogeneity parameter exhibits a discontinuous pattern.

Download English Version:

<https://daneshyari.com/en/article/7375501>

Download Persian Version:

<https://daneshyari.com/article/7375501>

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