

The Spread of Misinformation in Social Media

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ABSTRACT

As social media become major channels for the diffusion of news and information, they are also increasingly attractive and targeted for abuse and manipulation [2, 3]. This talk overviews ongoing network analytics, data mining, and modeling efforts to understand the spread of misinformation online and offline. I present machine learning methods to detect astroturf [6] and social bots [4, 7], and outline initial steps toward computational fact checking [1], as well as theoretical models to study how truthful and truthy facts compete for our collective attention [9, 8]. These efforts will be framed by a case study in which, ironically, our own research became the target of a coordinated disinformation campaign [5].

Keywords

Social media, Twitter, diffusion networks, misinformation, social bots, astroturf, hoaxes, echo chambers, social bubbles, fact checking

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Bio

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