

**Do critical users on online social Q&A  
communities have broader interests in topics  
compared to others ?**

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# Why?

- Why would certain people attract continuous interest from others in their communities?
- Do they generally have focused but in-depth knowledge on certain topics?
- Or
- Does their broad spread of interests make them interesting?

# Related work

- Shah, Chirag, and Jefferey Pomerantz. "Evaluating and predicting answer quality in community QA."
- Kim, Kyung-Sun, Sei-Ching Joanna Sin, and Tien-I. Tsai. "Individual differences in social media use for information seeking." *The Journal of Academic Librarianship* 40.2 (2014): 171-178.
- Jin, Jiahua, et al. "Why users contribute knowledge to online communities: An empirical study of an online social Q&A community." *Information & Management* 52.7 (2015): 840-849.
- Cha, Meeyoung, et al. "Measuring user influence in twitter: The million follower fallacy." *Icwsm* 10.10-17 (2010): 30.
- González-Bailón, Sandra, Ning Wang, and Javier Borge-Holthoefer. "The emergence of roles in large-scale networks of communication." *EPJ Data Science* 3.1 (2014): 32.

## How? Data + Computational tools

- Get users that participate in top 1000 questions with highest number of upvotes
- Splitting this network of users into communities with Fastgreedy algorithm
- Within each community, find critical users using Pagerank algorithm
- For each user, find topic distribution of questions they participate in
- Compare finding of critical users and the others