# Distinguishing between Topical and Non-topical Information Diffusion Mechanisms in Social Media



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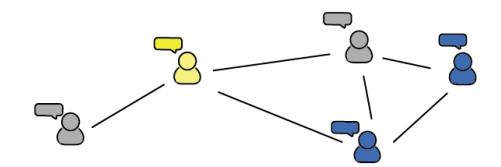




## User/meme topicality



We infer a topical distribution for each user and meme



**Topical** meme = **narrow** topical distribution

- political: #britishelection, #iranelection

- innovative: #mytouch



- satiric idioms: #uknowyouugly, #bestsex



## Complex contagion

### Complex contagion:

controversial and risky information requires multiple exposures to spread
 (e.g., political and innovative information)

### Simple contagion:

information spreads after individual exposures
 (e.g., idioms)

