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### MODELING AND PREDICTING OPINION FORMATION WITH TRUST PROPAGATION IN ONLINE SOCIAL NETWORKS

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**Highlights**

1. We present a trust-aware voter model to describe opinion evolution in social networks.
2. Individual trust co-evolves with their opinions and the trust propagates from common neighbors.
3. Public opinion changes as an exponential mixture form in homogeneous and heterogeneous networks.
4. The model well fits and predicts opinion formation over online social networks.

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