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Social contagions on multiplex networks with different reliability

Yang Zou, Zhongyang Xiong, Pu Zhang, Wei Wang

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## Highlights

- 1. Proposing a social contagion model on multiplex networks with different reliability.
- 2. The final adoption size increases with the reliability of one layer, but the growth pattern of final adoption size does not affect.
- 3. Theoretical predictions from edge-based compartmental theory agree well with numerical simulations.

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