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|--------------------------------|---|
| agents | $1, 2, \dots, n$ |
| time | $t \in \{0, 1, 2, \dots\}$ |
| true state | $\mu \in (0, 1)$ |
| belief of agent i at t | number between 0 and 1 drawn from a distribution with mean μ and finite variance above a threshold $\delta > 0$ |
| social network | aperiodic, strongly connected directed graph with agents as vertices, and who-pays-attention-to-who as edges |
| agent i 's neighborhood | agents that i pays attention to |
| weight on edge from i to j | number that indicates how much weight i places on j 's opinion; we assume i distributes a total weight of 1 across i 's neighborhood |
| update rule | at time $t + 1$ every agent updates their belief to a weighted average over the beliefs of neighbors |