



## Simulating Rumor Spreading in Social Networks using LLM Agents

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## Introduction

- Social Network Behavior: Essential for understanding human interactions in social sciences.
- LLM-agent-based Framework:
  - 1.LLMs as Agents
  - 2. Rumor Spread Simulation
  - 3. Network Construction

## Post History Rumor Belief Post History Rumor Belief Post History Rumor Belief Rumor Belief Rumor Belief Rumor Belief



