

Human-AI Cooperation: Leveraging AI Norm Reinforcement in a Public Goods Game

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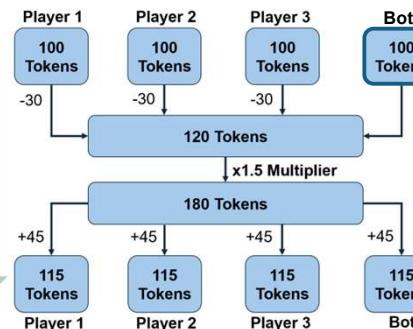
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Research Question

How does the implementation of AI agents reinforce or erode cooperative norms in group settings?



Public Goods Game

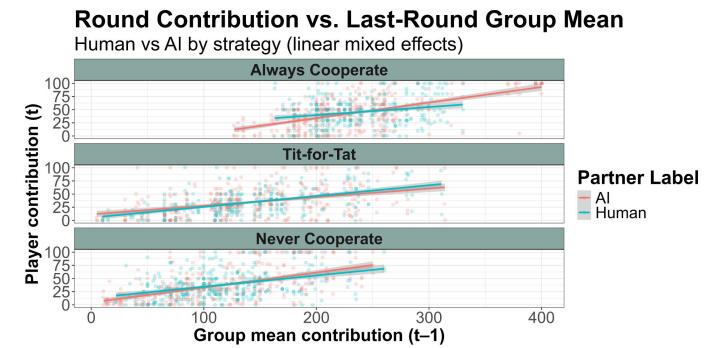
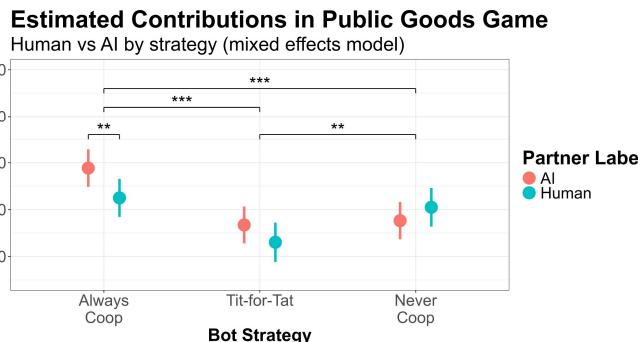


2x3 Design

- Human vs AI
- Always coop
- Tit-for-tat
- Never coop

Rand. Control Trial Participants 238

Our experiment shows **AI teammates can spark as much and sometimes more cooperation than humans**



- Algorithm Preference:** AI partners match human partners in most cases, yet unconditional cooperative AI triggers increased cooperation.
 - Go big or go rogue:** Unconditional cooperators inspire cooperation, while Tit-for-Tat elicits less than non-cooperators.
 - Group Influence:** People normatively adjust to prior group contributions across labels, with strategy driving the strength.
- Cooperation follows actions. Design AI for strategy, not identity.**

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