A Measure of Welfare Tradeoff Ratio for Fine-grained Investigation of Reciprocity

Original title: Studying the Long-term Dynamics of Reciprocity Based on Welfare Tradeoff Ratios

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Results

- **Question:** Does the 2D λ slider work at all?
- 3 between-subjects conditions: Computer's $\lambda \approx -1/0/1$



Preliminary conclusion: Participants are sensitive to the opponent's WTR revealed by the 2D λ slider and adjust their WTR accordingly

Limitations & future work

- (P: Problem S: Solution)
- **P** Responses are quite noisy
- **S1** Ask participant to predict computer's decision, to assess whether participant understands the slider
- S2 Make the game sequential (participant and computer take turns acting), to reduce participant's cognitive load
- **P** About half of participants said they didn't adjust their niceness
- **S** Try using a **reciprocating** opponent
- **P** Participant might respond to **difference** in payoffs of computer's decision, rather than its WTR
- **S** Control for difference in payoffs