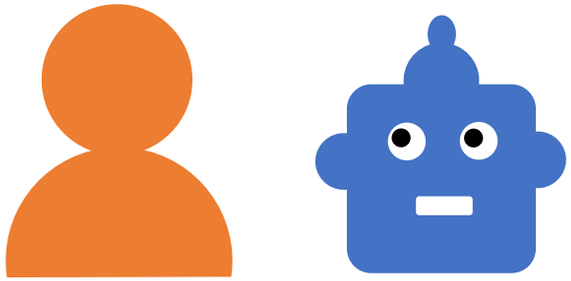
Experiment 1 Overview

I. Participants were assigned to a stable *bot opponent* for 300 rounds.



II. Bot opponents favored a particular ***transition*** each round (+, –, o) relative to their own previous move or their opponent's.

Move n	*Move n + 1*: R	P	S
R	o	+	–
P	–	o	+
S	+	–	o

III. The seven bot opponents (below) chose transitions based on an increasing number of *prior events*: simple transition biases reflecting the previous move only, the previous *outcome*, or the previous outcome and the previous transition.

Previous move

1. Self-transition (+)
2. Self-transition (–)

Opponent previous move

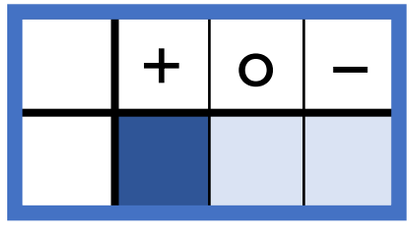
3. Opponent-transition (+)
4. Opponent-transition (o)

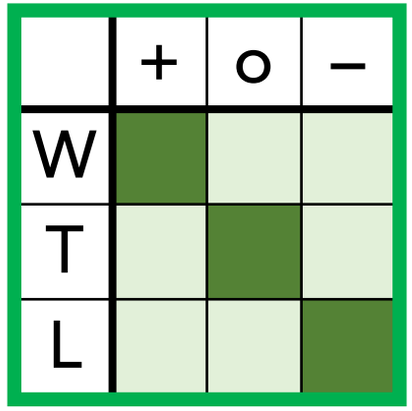
Previous outcome

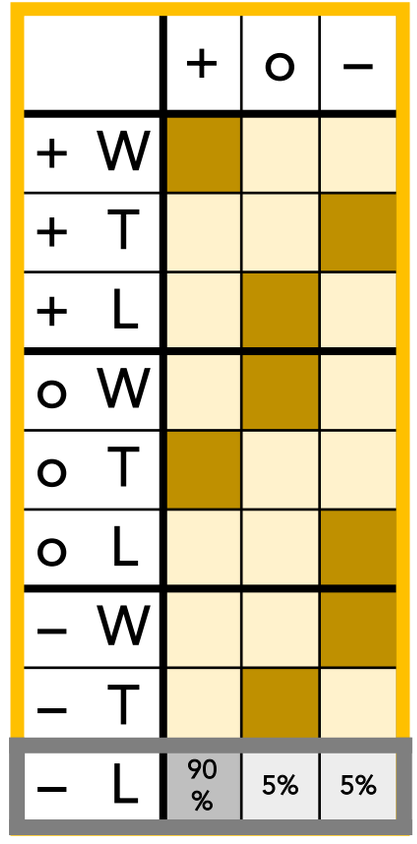
5. Previous outcome (W0L+T–)
6. Previous outcome (W+L–T0)

Previous outcome & previous transition

7. Previous outcome, previous transition







IV. Bot opponents chose the favored transition with 90% probability and the other alternatives with 10% probability each round.