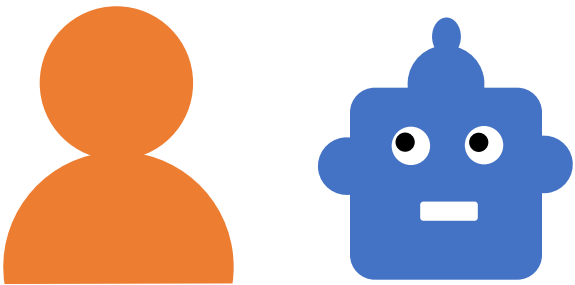


Experiment 1 Overview

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 $n + 1$		
		R	P	S
Move n	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 (WoL+T−)
- 6. Previous outcome (W+L−To)

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.

	+	o	−

	+	o	−
W			
T			
L			

		+	o	−
+	W			
+	T			
+	L			
o	W			
o	T			
o	L			
−	W			
−	T			
−	L	90 %	5 %	5 %