

# The Lab Generalizes

## Dynamic Trust Behavior on Mechanical Turk

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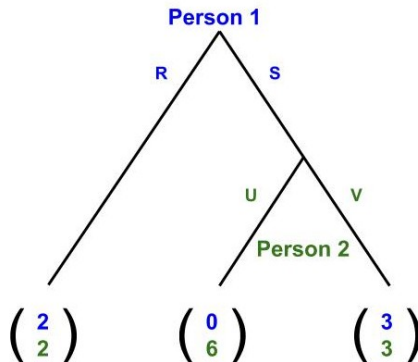
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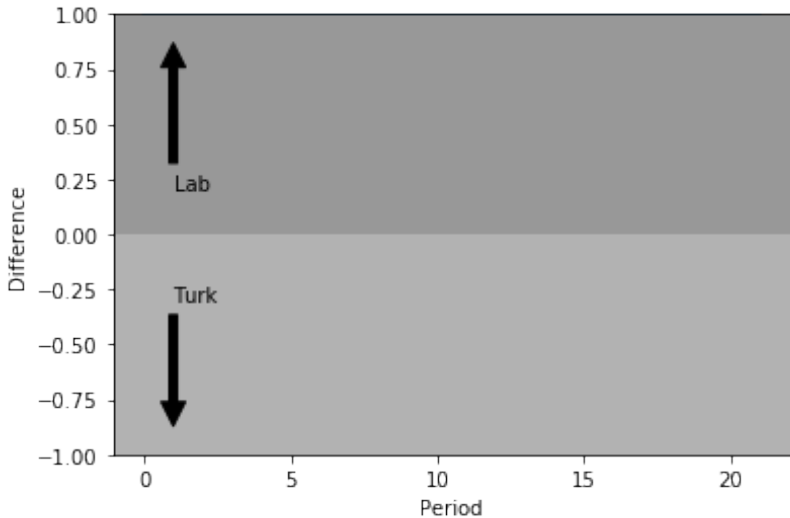
The study provides evidence for two questions. Across populations in and out of the lab, in dynamic games:

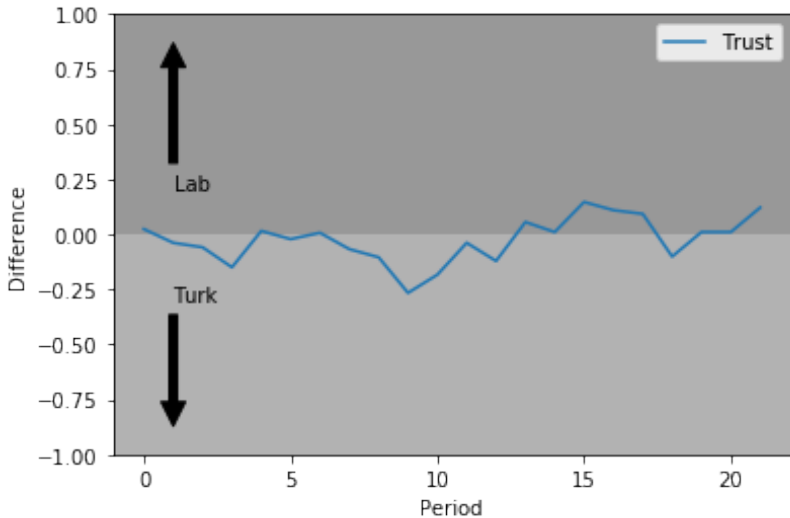
- ❶ Do subjects respond to the same things?
- ❷ And do they behave in the same ways?

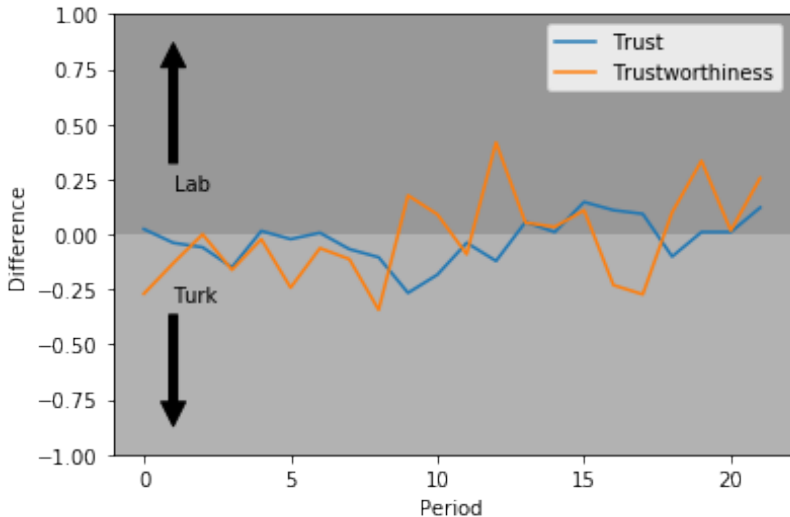
# Experimental Design

- Experimental Econ Lab
- Amazon Mechanical Turk
- Visible trust history
- Indefinite horizons
- Anonymity
- Software: oTree









|             | Trust      |            | Trustworthiness |            |
|-------------|------------|------------|-----------------|------------|
|             | Lab        | MTurk      | Lab             | MTurk      |
| Last Choice | -0.0255    | 0.1581     | -0.3946***      | -0.2247*** |
| Last Three  | -0.1712*** | -0.1188*** | -0.2388***      | -0.2300*** |
| Seen LC     | 0.0891     | 0.2512     | -0.0087         | -0.0098    |
| Seen L3     | 0.0481     | -0.0161    | -0.1144***      | -0.0372    |
| Pair LC     | 0.0969*    | 0.1062**   | 0.0200          | 0.0710     |
| Pair L3     | 0.0515     | 0.0429     | 0.1179**        | 0.0105     |
| Own Ratio   | 1.8186***  | 1.4725***  | 2.0726***       | 2.1083***  |
| Pair Ratio  | 0.1003     | -0.1720    | -0.3539         | -0.1306    |
| Round       | 0.0047     | 0.0068**   | -0.0045         | 0.0034     |
| N           | 352        | 594        | 205             | 333        |
| $R^2$       | 0.5728     | 0.4454     | 0.6284          | 0.5283     |

Note: \*\*\*  $p < 0.01$ , \*\*  $p < 0.05$ , \*  $p < 0.10$ .

# Hypothesis and Equivalence Tests

Q. Do the populations behave differently?

Person 1 -  $p_1 = 0.4100$

Person 2 -  $p_2 = 0.2151$

**We cannot reject the null that trust(worthiness) is equal.**



# Hypothesis and Equivalence Tests

Q. Do the populations behave differently?

$$\text{Person 1} - p_1 = 0.4100$$

$$\text{Person 2} - p_2 = 0.2151$$

**We cannot reject the null that trust(worthiness) is equal.**

Q. Is their behavior equivalent?

$$\text{Person 1} - d_1 = 0.0250 < \theta_1^{90\%} = 0.0565$$

$$\text{Person 2} - d_2 = 0.0473 < \theta_2^{90\%} = 0.0507$$

**We are 90% confident of equivalence.**

Subjects respond to the same things and in the same way.

