
Axelrod-Python-Tournament Documentation

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Axelrod-Python Project

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This documentation contains the latest results of the full tournament from the [Axelrod-Python project](#).

Contents:

Standard Tournament

Ranked violin plot

The mean utility of each player.

Payoffs

The pair wise utilities of each player.

Evolutionary dynamics

The evolutionary dynamic of the strategies_std (based on the utilities).

Wins

The number of wins of each player.

Payoff differences

The payoff differences for each player.

Pairwise payoff differences

The difference of payoffs between pairs of players.

Summary

Here is a file with the summary data.

Ranked violin plot

The mean utility of each player.

Payoffs

The pair wise utilities of each player.

Evolutionary dynamics

The evolutionary dynamic of the strategies (based on the utilities).

Wins

The number of wins of each player.

Payoff differences

The payoff differences for each player.

Pairwise payoff differences

The difference of payoffs between pairs of players.

Summary

Here is a file with summary data.

Probabilistic Ending Tournament

Ranked violin plot

The mean utility of each player.

Payoffs

The pair wise utilities of each player.

Evolutionary dynamics

The evolutionary dynamic of the strategies (based on the utilities).

Wins

The number of wins of each player.

Payoff differences

The payoff differences for each player.

Pairwise payoff differences

The difference of payoffs between pairs of players.

Match lengths

The length of the matches

Summary

Here is a file with summary data.

CHAPTER 4

Reproducing these results

To reproduce these results:

```
python run_noisy.py
python run_std.py
python run_probend.py
```

Interaction data for tournaments

Interaction data for the 3 tournaments (noisy, standard and probabilistic ending) is available in these files:

- `strategies_noisy_interactions.csv`
- `strategies_std_interactions.csv`
- `strategies_probend_interactions.csv`

They can be found at the following archive (with DOI number): <https://zenodo.org/record/808770>.

CHAPTER 6

Indices and tables

- `genindex`
- `modindex`
- `search`