# Axelrod-Python-Tournament Documentation Release 0.0.23 

Axelrod-Python Project

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This documentation contains the latest results of the full tournament from the Axelrod-Python project.
Click on each type of tournament below to see plots of the results.
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## Standard Tournaments

Contents:

### 1.1 Basic Strategies

### 1.1.1 Ranked violin plot

The mean utility of each player.

### 1.1.2 Payoffs

The pair wise utilities of each player.

### 1.1.3 Evolutionary dynamics

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

### 1.1.4 Wins

The number of wins of each player.

### 1.1.5 Payoff differences

The payoff differences for each player.

### 1.1.6 Pairwise payoff differences

The difference of payoffs between pairs of players.

### 1.2 All Strategies (without cheaters)

### 1.2.1 Ranked violin plot

The mean utility of each player.

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### 1.3.3 Evolutionary dynamics

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### 1.3.4 Wins

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### 1.3.5 Payoff differences

The payoff differences for each player.

### 1.3.6 Pairwise payoff differences

The difference of payoffs between pairs of players.

### 1.4 Cheating Strategies

### 1.4.1 Ranked violin plot

The mean utility of each player.

### 1.4.2 Payoffs

The pair wise utilities of each player.

### 1.4.3 Evolutionary dynamics

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

### 1.4.4 Wins

The number of wins of each player.

### 1.4.5 Payoff differences

The payoff differences for each player.

### 1.4.6 Pairwise payoff differences

The difference of payoffs between pairs of players.

## Noisy Tournaments

Contents:

### 2.1 All Strategies (without cheaters) and 5\% noise

### 2.1.1 Ranked violin plot

The mean utility of each player.

### 2.1.2 Payoffs

The pair wise utilities of each player.

### 2.1.3 Evolutionary dynamics

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

### 2.1.4 Wins

The number of wins of each player.

### 2.1.5 Payoff differences

The payoff differences for each player.

### 2.1.6 Pairwise payoff differences

The difference of payoffs between pairs of players.

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