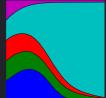
Prisoners, Game Theory & the Axelrod Library

@NikoletaGlyn



Software Sustainability Institute

django girls

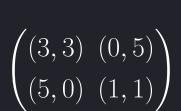




Cooperate? Defect?







1 2 3 4 5 score

Tit For Tat

Defector

 1
 2
 3
 4
 5
 score

 Tit For Tat

 Defector
 D
 D
 D
 D
 D

	1	2	3	4	5	score
Tit For Tat	\boldsymbol{C}	D	D	D	D	
Defector	D	D	D	D	D	

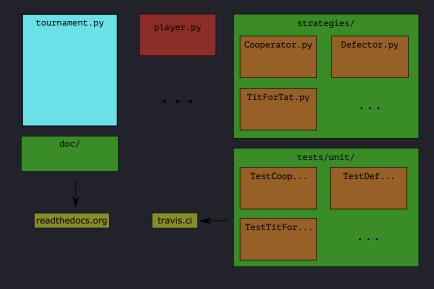
	1	2	3	4	5	score
Tit For Tat	C	D	D	D	D	0.8
Defector	D	D	D	D	D	1.8

	1	2	3	4	5	score
Tit For Tat	C	D	D	D	D	0.8
Defector	D	D	D	D	D	1.8

	1	2	3	4	5	score
Tit For Tat	C	C	C	C	C	3
Cooperator	\boldsymbol{C}	$oldsymbol{C}$	$oldsymbol{C}$	\boldsymbol{C}	C	3

```
class TitForTat(Player):
   name = 'Tit For Tat'
    classifier = {
        'manipulates_source': False,
    @staticmethod
    def strategy(opponent):
        return 'D' if opponent.history[-1:] == ['D'] else 'C'
```

```
class TestTitForTat(TestPlayer):
    name = "Tit For Tat"
    player = axelrod.TitForTat
    expected_classifier = {
        'memory_depth': 1,
        'inspects_source': False,
        'manipulates_state': False
    def test_strategy(self):
        self.first_play_test(C)
```



Research





arXiv.org > cs > arXiv:2001.05911

Help | Advanced S

Computer Science > Computer Science and Game Theory

(Submitted on 16 Jan 2020)

A meta analysis of tournaments and an evaluation of performance in the Iterated Prisoner's Dilemma

Nikoleta E. Glynatsi, Vincent A. Knight

The betrared frisoner's Dileman has been used for decides as a model of behaviour, interactions. From the celebrated performed or "Tit for Tau, tob of this fact," the production of the product

Subjects: Computer Science and Game Theory (cs.GT)
Cite as: arXiv:2001.05911 [cs.GT]

(or arXiv:2001.05911v1 [cs.GT] for this version)

Submission history

From: Nikoleta E. Glynatsi [view email] [v1] Thu. 16 Ian 2020 15:56:53 UTC (1.066 KB)





"And I really wanted to thank you all, I discovered your project because of a course where we needed to participate in an open source project, and I had the occasion to compare the welcome me and my coworkers received here compared to other people from my class who worked on different project. And I've got to said you are awesome on that part and on the help your provide to newbies I like your project so I'll try to continue to contribute now and then!"

Julie Rymer - @Chadys -10 May 2017

- https://github.com/Axelrod-Python/Axelrod
- https://axelrod.readthedocs.io/
- https://axelrod.readthedocs.io/en/latest/tutorials/contributing/index.html
- https://github.com/drvinceknight
- https://github.com/gaffney2010
- https://github.com/marcharper
- https://github.com/meatballs