Science analysed with NLP +

PyData Cardiff

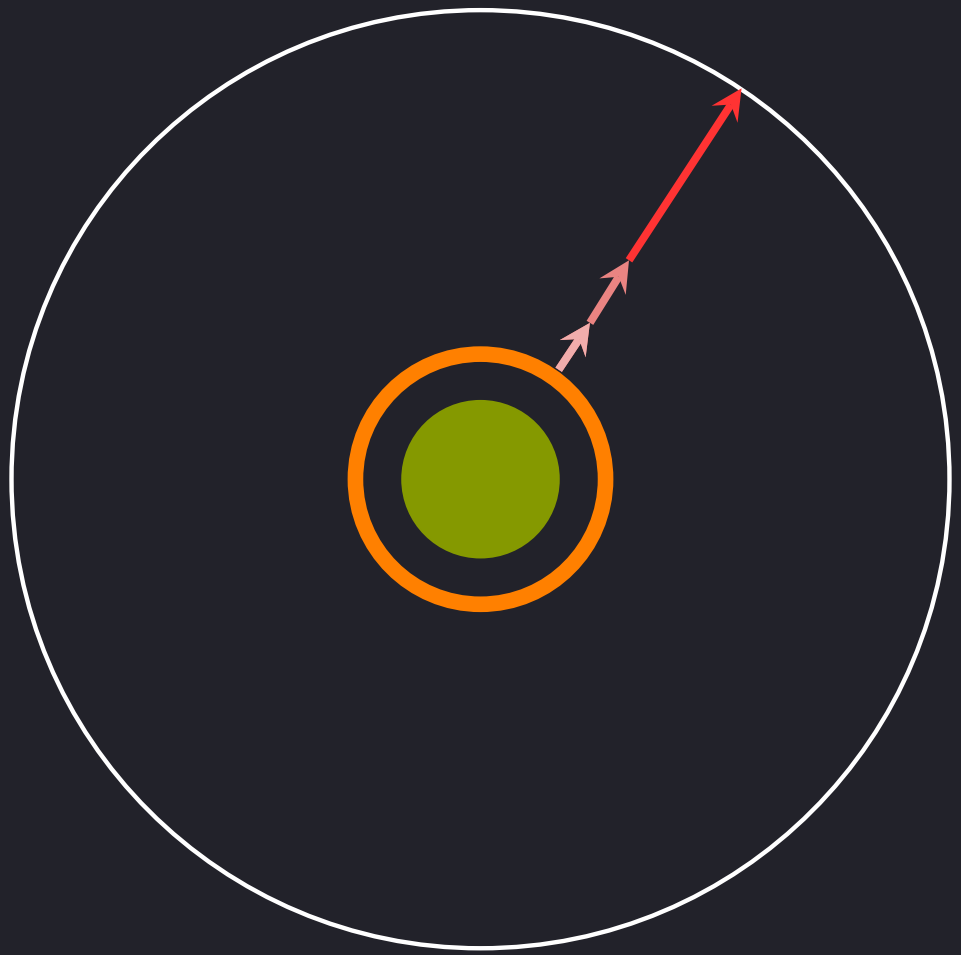
@NikoletaGlyn

CARDIFF
UNIVERSITY
PRIFYSGOL
CAERDYDD

django
girls

Software
Sustainability
Institute

PLOS
Channels



http://matt.might.net/articles/phd-school-in-pictures/

ScienceDirect

Journals & Books

Register

Sign in

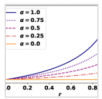
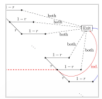
Download PDF Share Export

Search ScienceDirect Advanced

Outline

Abstract
Keywords
1. Introduction
2. The utility model
3. Evolutionary stability
4. Discussion and conclusions
Authors' contributions
Conflicts of interest
Data accessibility
Acknowledgements
References

Figures (7)

ELSEVIER

Ecological Modelling
Volume 389, 10 December 2018, Pages 33-40

An evolutionary game theoretic model of rhino horn devaluation

Nikoleta E. Glynatsi, Vincent Knight, Tamsin E. Lee

Show more

https://doi.org/10.1016/j.ecolmodel.2018.10.003

Get rights and content

Abstract

Rhino populations are at a critical level due to the demand for rhino horn and the subsequent poaching. Wildlife managers attempt to secure rhinos with approaches to devalue the horn, the most common of which is dehorning. Game theory has been used to examine the interaction of poachers and wildlife managers where a manager can either 'dehorn' their rhinos or leave the horn attached and poachers may behave 'selectively' or 'indiscriminately'. The approach described in this paper

Recommended articles

A heuristic algorithm for finding cost-effective s...
Journal of Discrete Algorithms, Volumes 52–53, 2018, ...
Download PDF View details

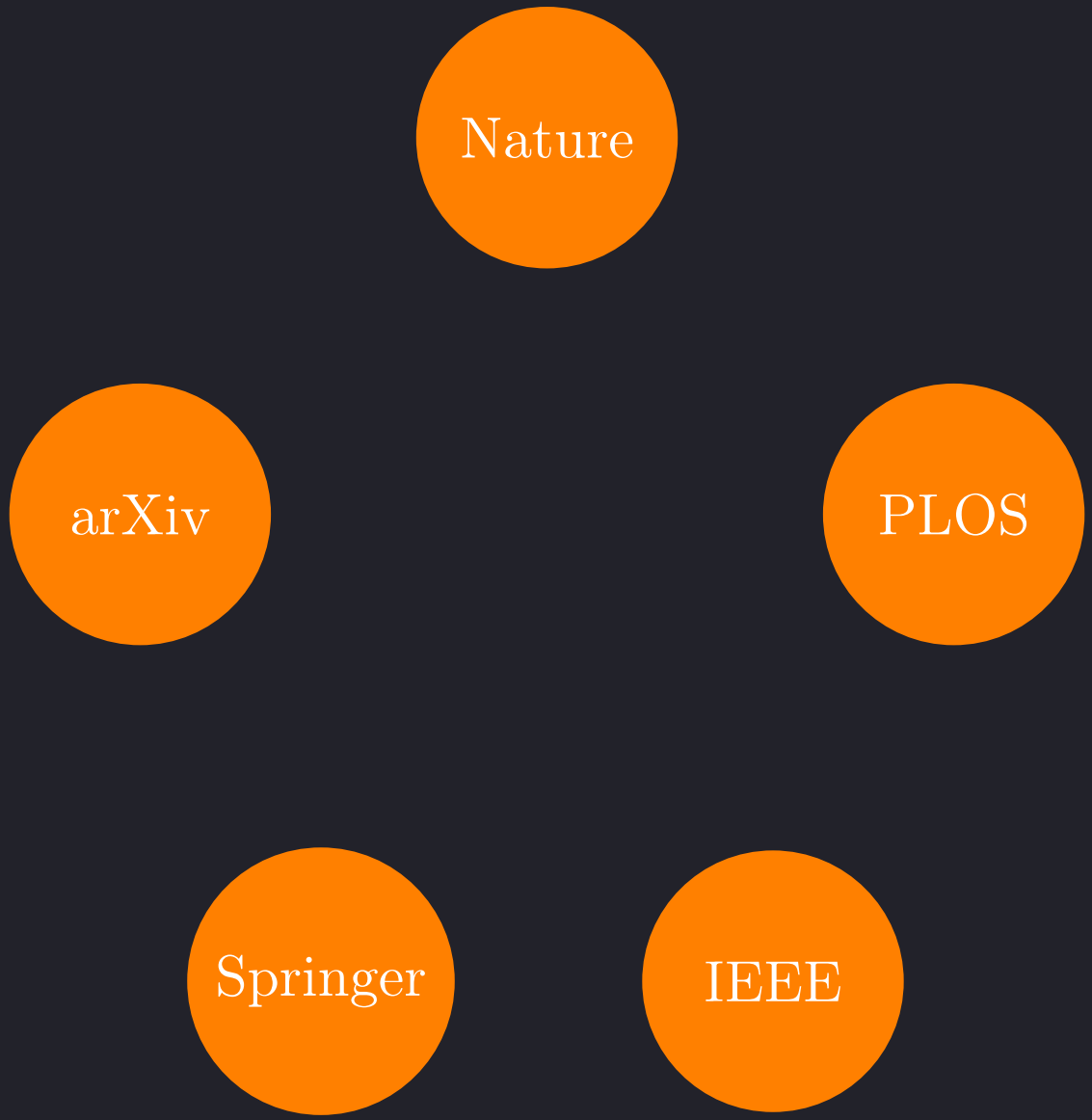
Modelling deadlock in open restricted queuein...
European Journal of Operational Research, Volume 26...
Download PDF View details

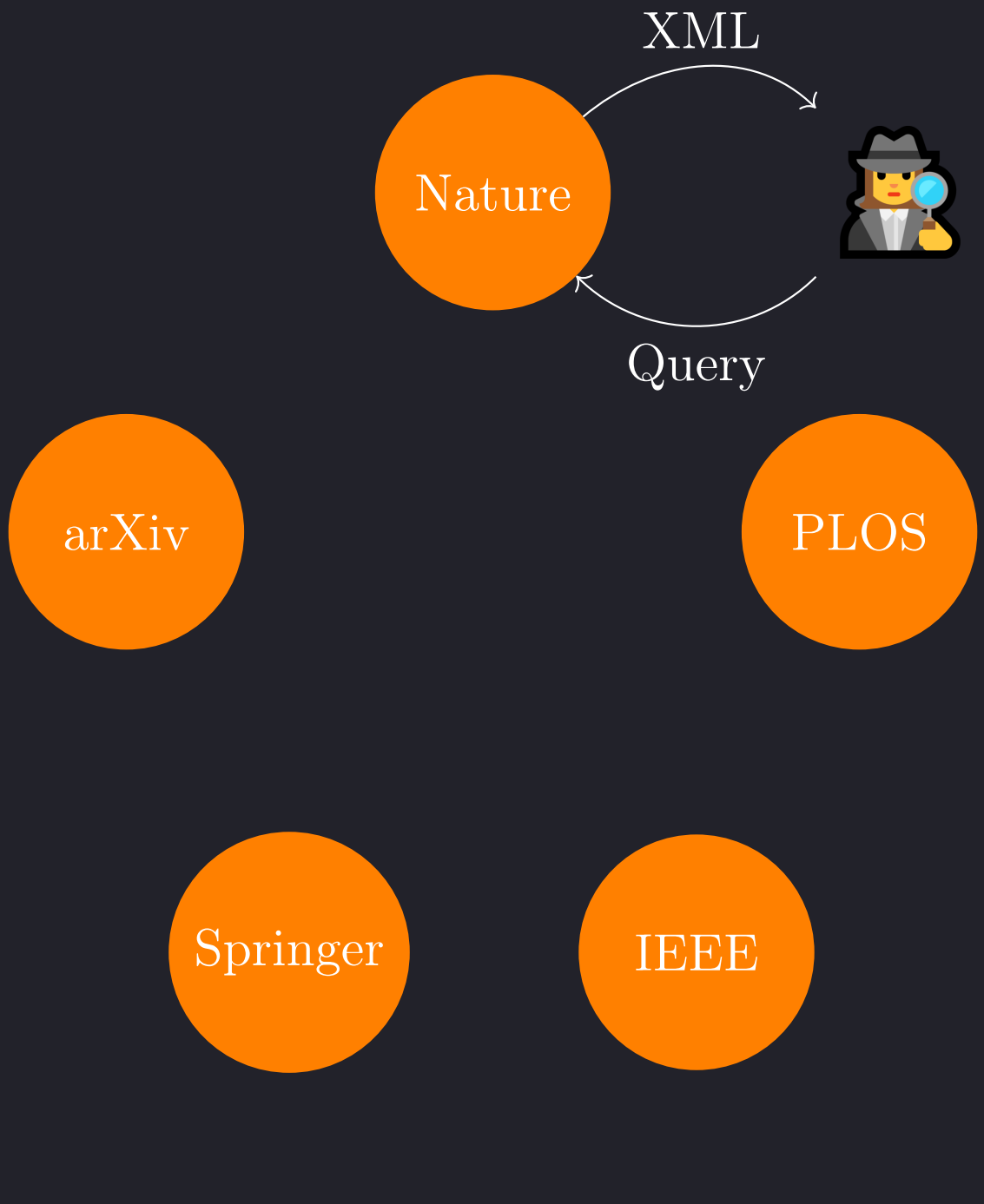
A squeeze in the suitable fire interval: Simulatin...
Ecological Modelling, Volume 389, 2018, pp. 41-49
Download PDF View details

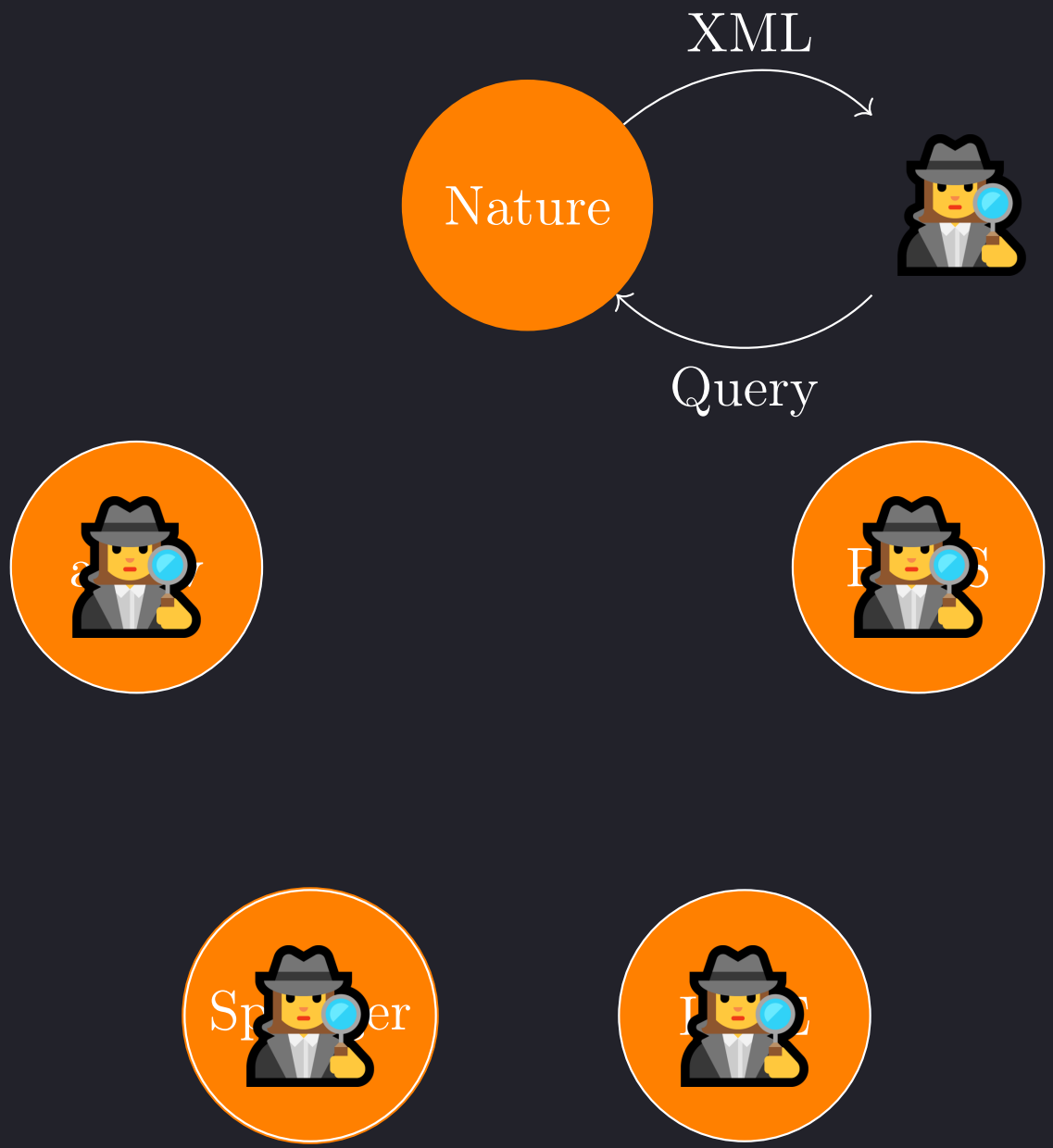
1 2 Next

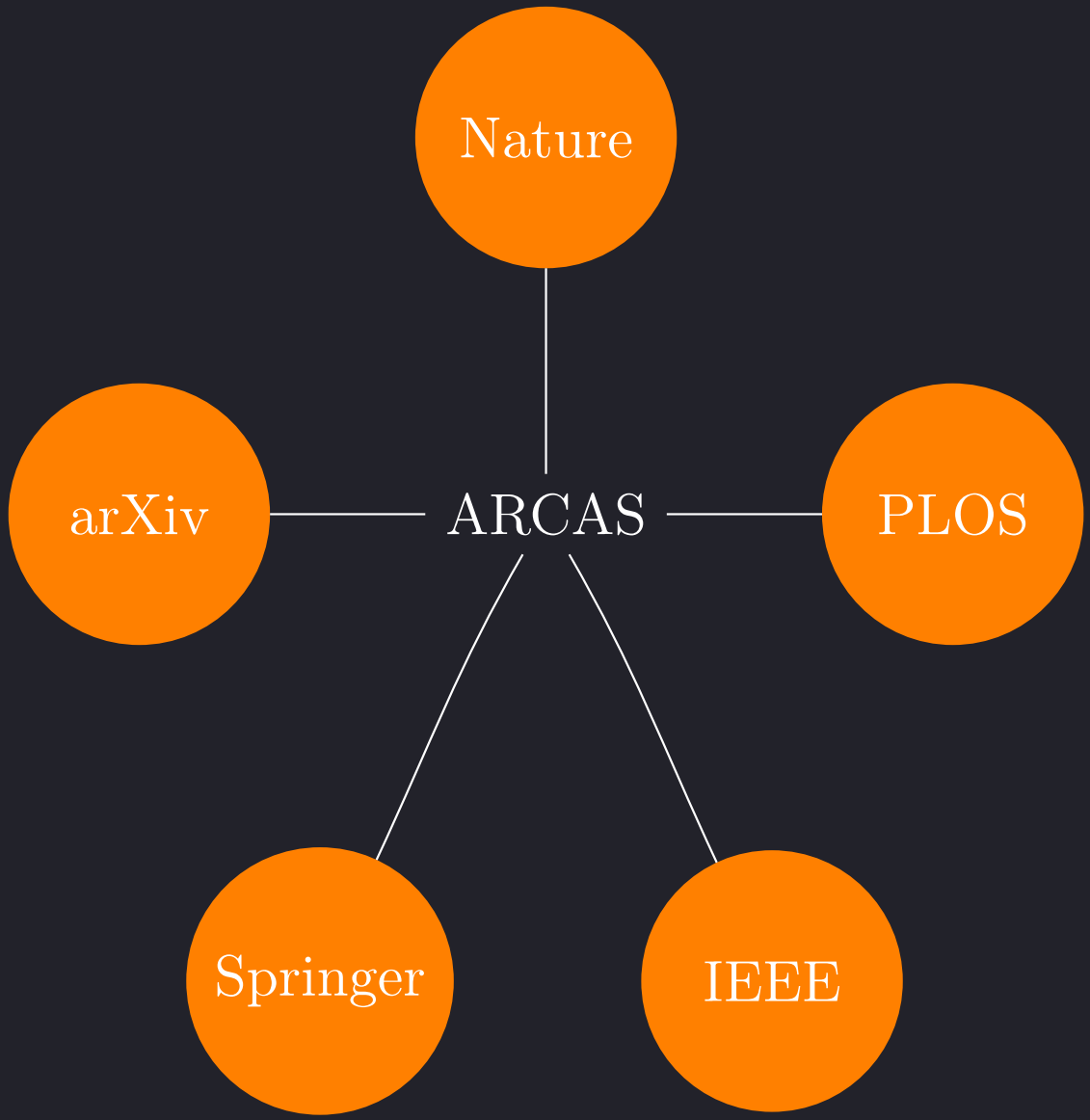
Start tracking your Reading History
Sign in and never lose track of an article again.
Register for free >

Readers:
Feedback


Nature
arXiv
PLOS
Springer
IEEE


XML
Nature
Query
arXiv
PLOS
Springer
IEEE

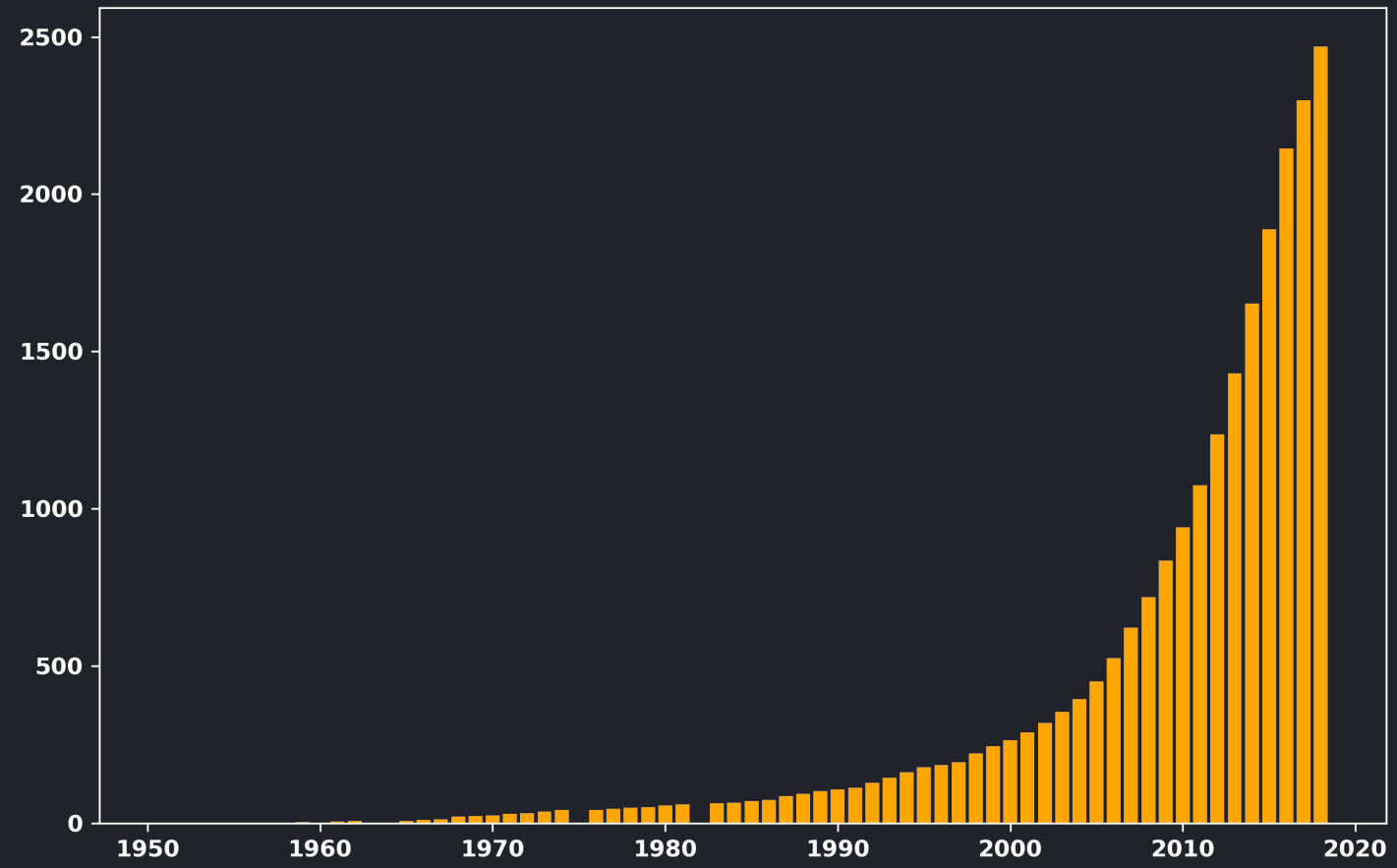

XML
Nature
Query


Nature
arXiv
ARCAS
PLOS
Springer
IEEE

```
$ pip install arcas
```

https://nikoleta-v3.github.io/2019/06/women-publications-in-mathematics.html

title="prisoner's dilemma" OR abstract="prisoner's dilemma"



What do people write about on field of the Prisoner's Dilemma?

Latent Dirichlet allocation

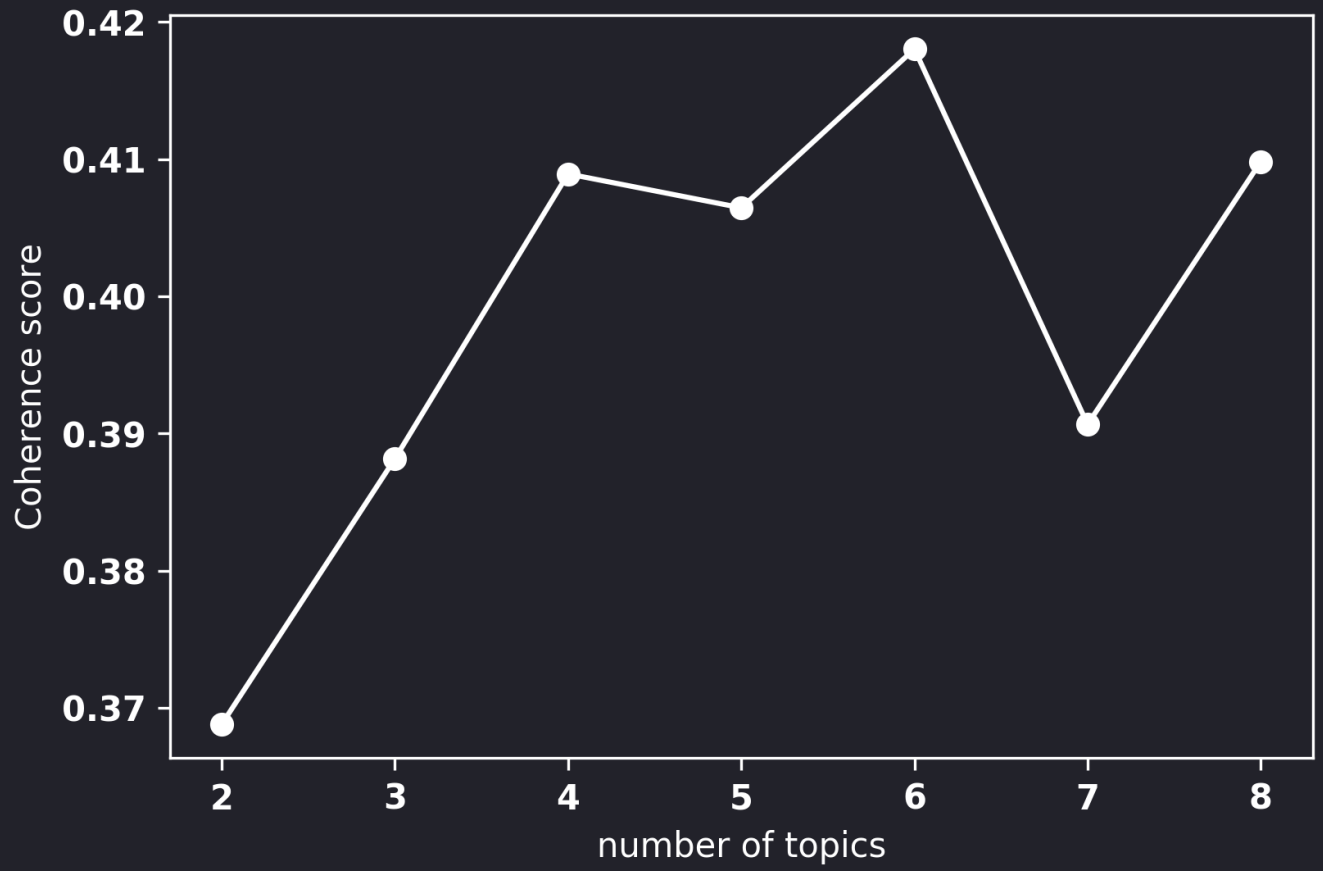
	Topic 1	Topic 2
"game"	0.200	0.220
"agent"	0.009	0.008
"network"	0.011	0.012
"strategy"	0.007	0.028
"population"	-	0.008
"social"	0.010	-

abstract = “The social network of agents”

abstract = “The social network of agents”

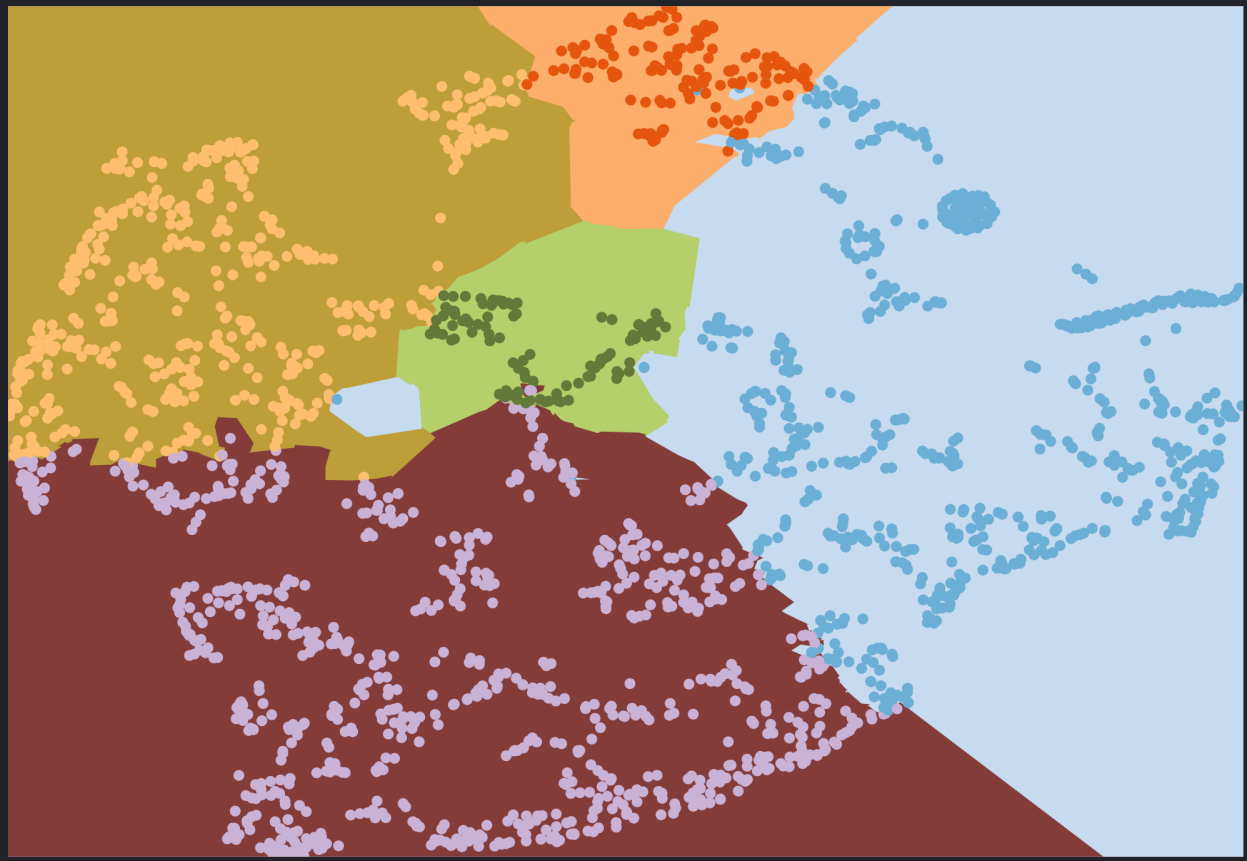
$$c^1 = 0.009 + 0.011 + 0.010 = 0.30$$
$$c^2 = 0.008 + 0.012 = 0.20$$

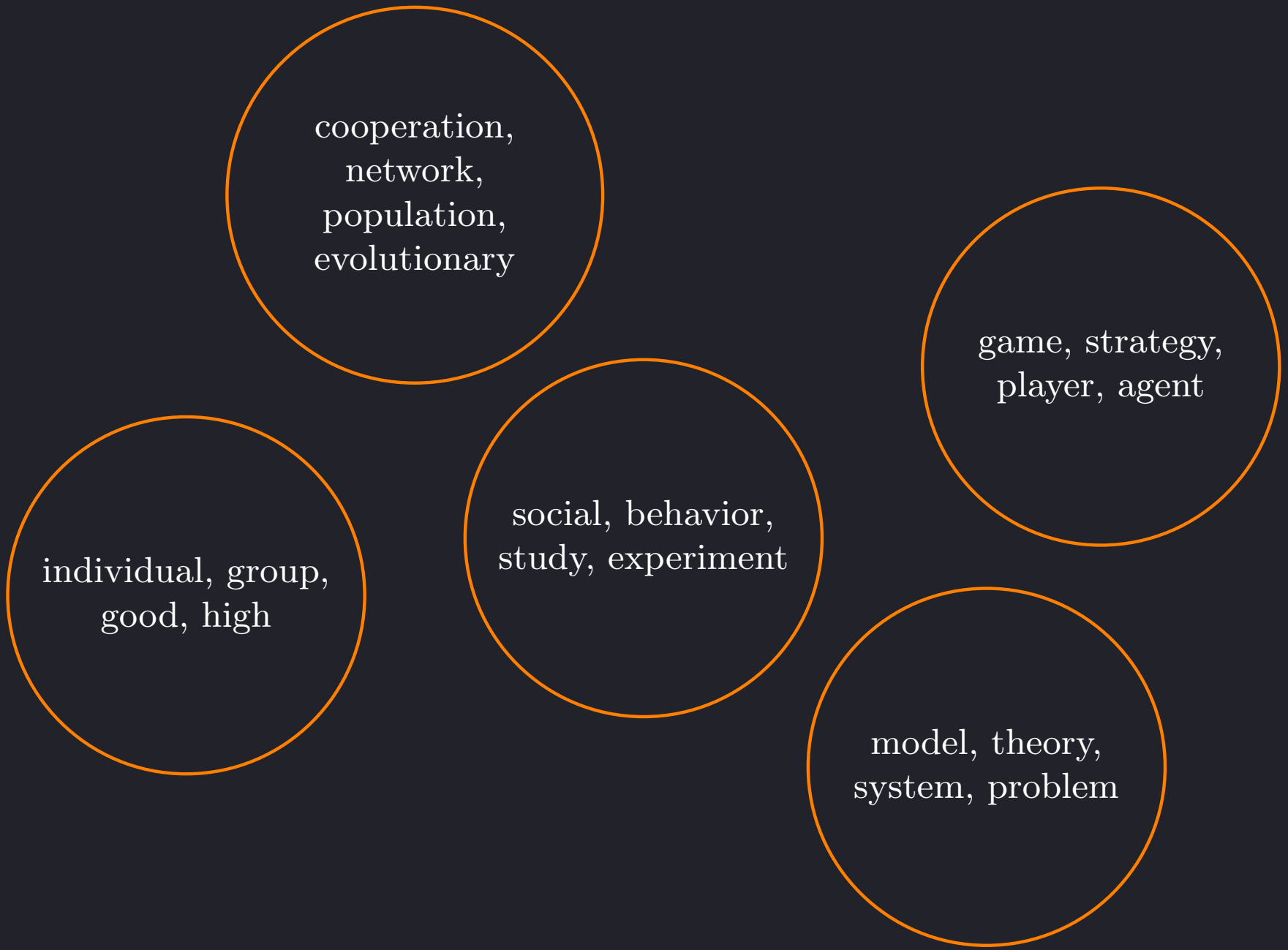
$\longrightarrow [0.2, 0.3]$


0.42
0.41
0.40
0.39
0.38
0.37
Coherence score
2
3
4
5
6
7
8
number of topics

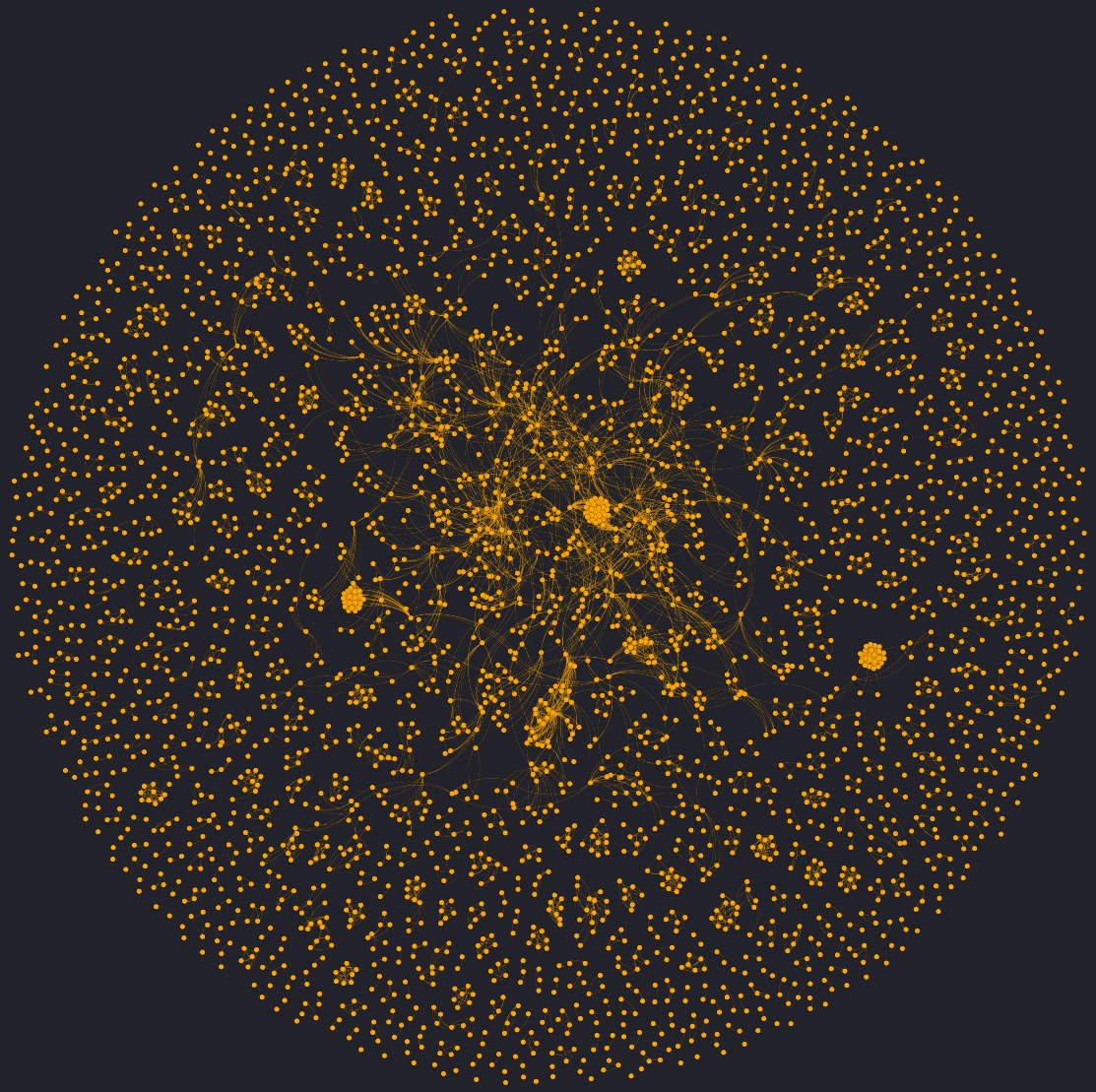
$\xrightarrow{\text{LDA}}$ $\mathbb{R}^5$

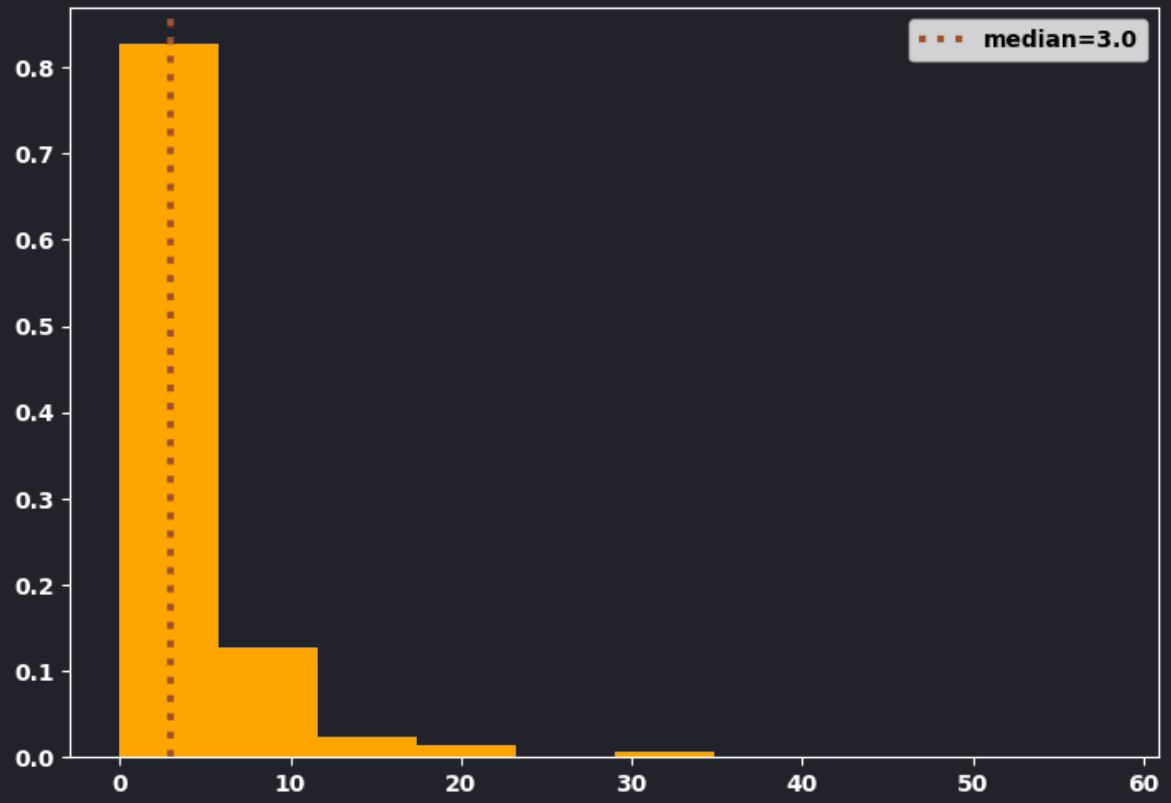
$$\xrightarrow{\text{LDA}} \mathbb{R}^5 \longrightarrow \text{Topic}_i$$




cooperation, network, population, evolutionary
game, strategy, player, agent
individual, group, good, high
social, behavior, study, experiment
model, theory, system, problem

Is the Prisoner's Dilemma a collaborative field?




median=3.0
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
10
20
30
40
50
60

“A bibliometric study of research topics, collaboration and influence in the field of the Iterated Prisoner’s Dilemma"

Nikoleta E. Glynatsi, Vincent A. Knight

https://arxiv.org/abs/1911.06128

@NikoletaGlyn

@drvinceknight

- https://nikoleta-v3.github.io
- https://arxiv.org/abs/1911.06128

https://github.com/Nikoleta-v3/bibliometric-study-of-the-prisoners-dilemma

https://github.com/ArcasProject/Arcas

- https://nikoleta-v3.github.io/2019/06/women-publications-in-mathematics.html
- http://iltabiai.github.io