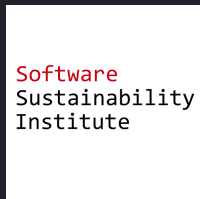
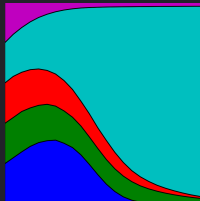
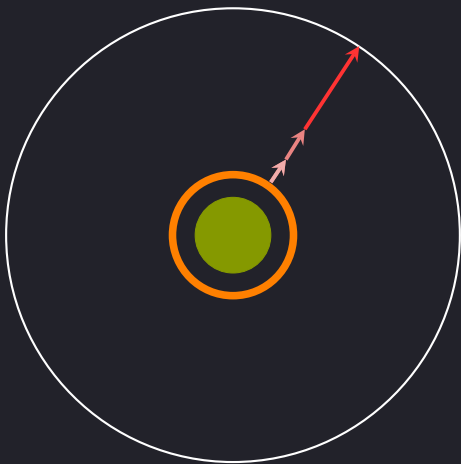


# A bibliometric study of a research field

PyData UK

@NikoletaGlyn





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## Outline

Abstract

Keywords

1. Introduction

2. The utility model

3. Evolutionary stability

4. Discussion and conclusions

Authors' contributions

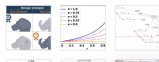
Conflicts of interest

Data accessibility

Acknowledgements

References

## Figures (7)



## 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

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

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## 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

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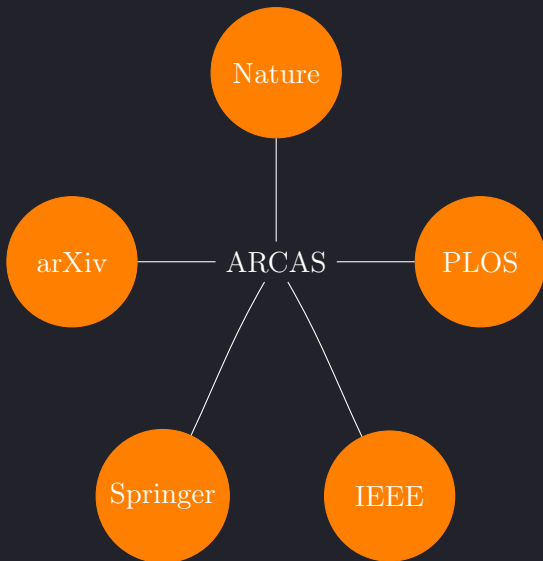
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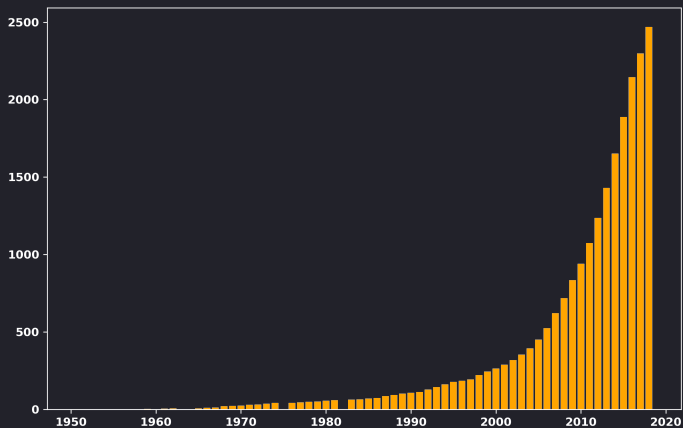
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>>> plos = arcas.Plos()
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>>> url = plos.create_url_search(parameters)
>>> url
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```

```
>>> import arcas
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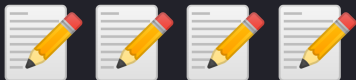
title="prisoner's dilemma" OR abstract="prisoner's dilemma"



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”

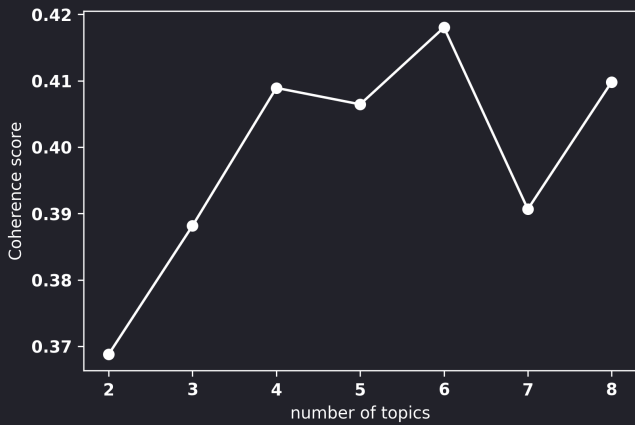
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$$c^1 = 0.009 + 0.011 + 0.010 = 0.30$$

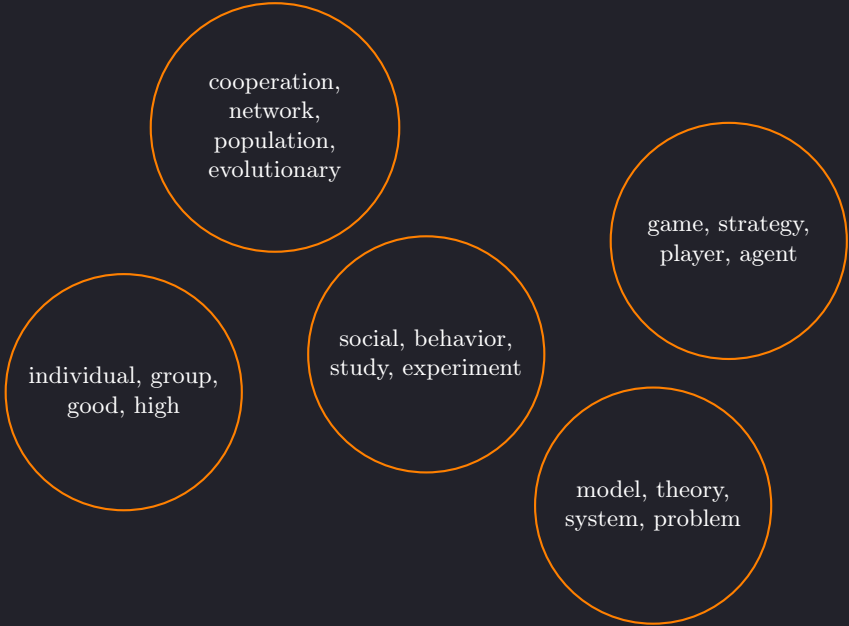
$$c^2 = 0.008 + 0.012 = 0.20$$



→ [0.3, 0.2]







cooperation,  
network,  
population,  
evolutionary

game, strategy,  
player, agent

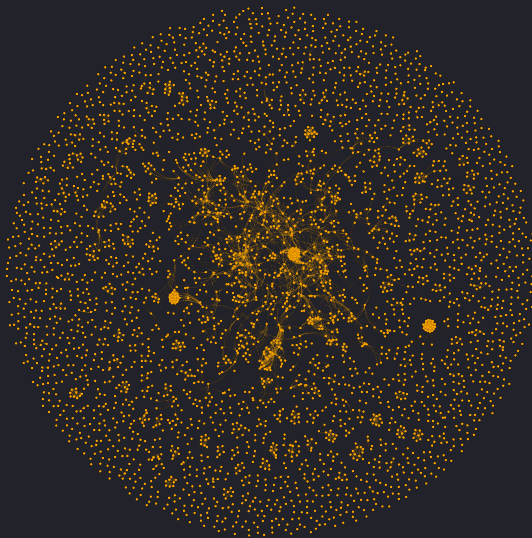
individual, group,  
good, high

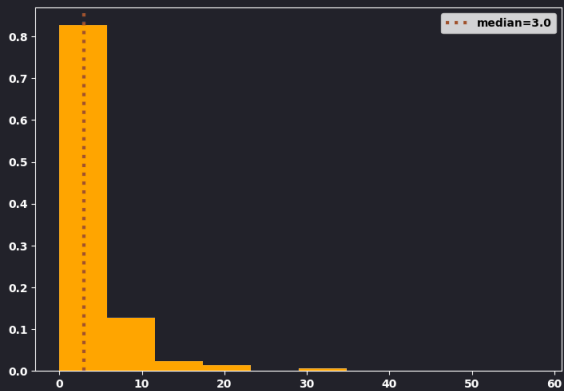
social, behavior,  
study, experiment

model, theory,  
system, problem

# Is the Prisoner's Dilemma a collaborative field?











"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>

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@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/Nikoleta-v3/bibliometric-study-of-the-prisoners-dilemma)
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