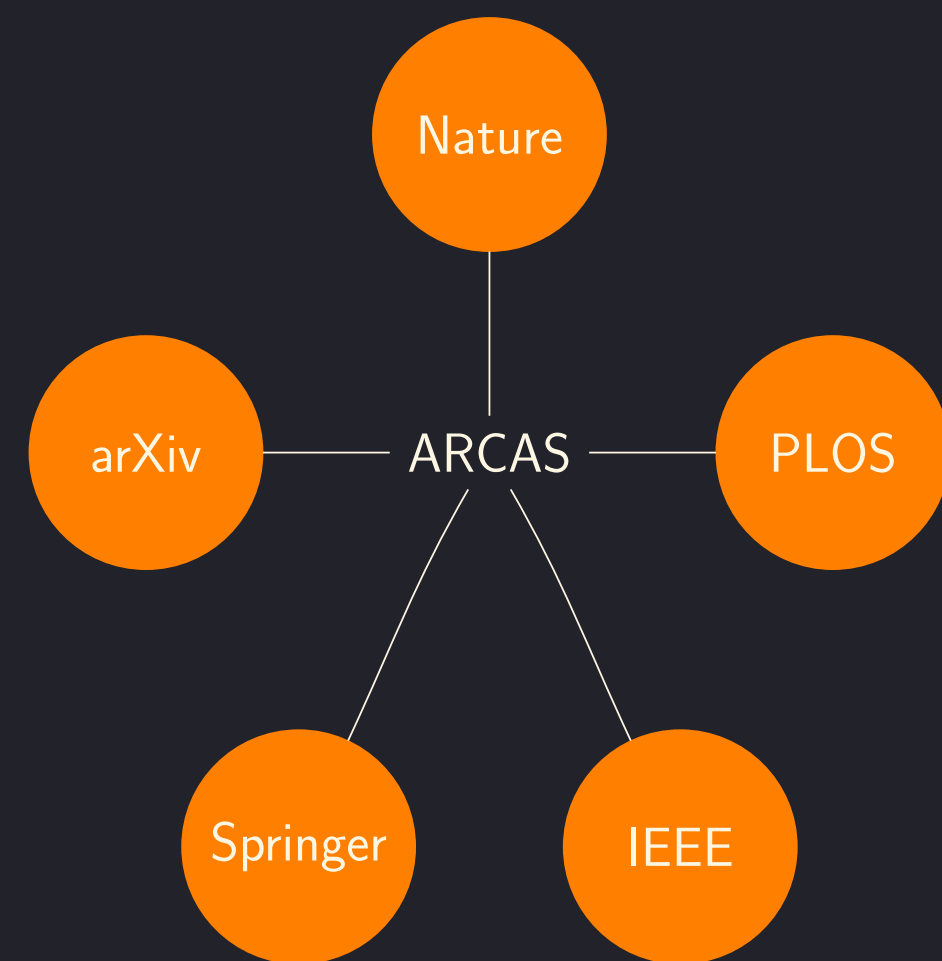




# A bibliometric study of the Iterated Prisoner's Dilemma

research topics & collaboration

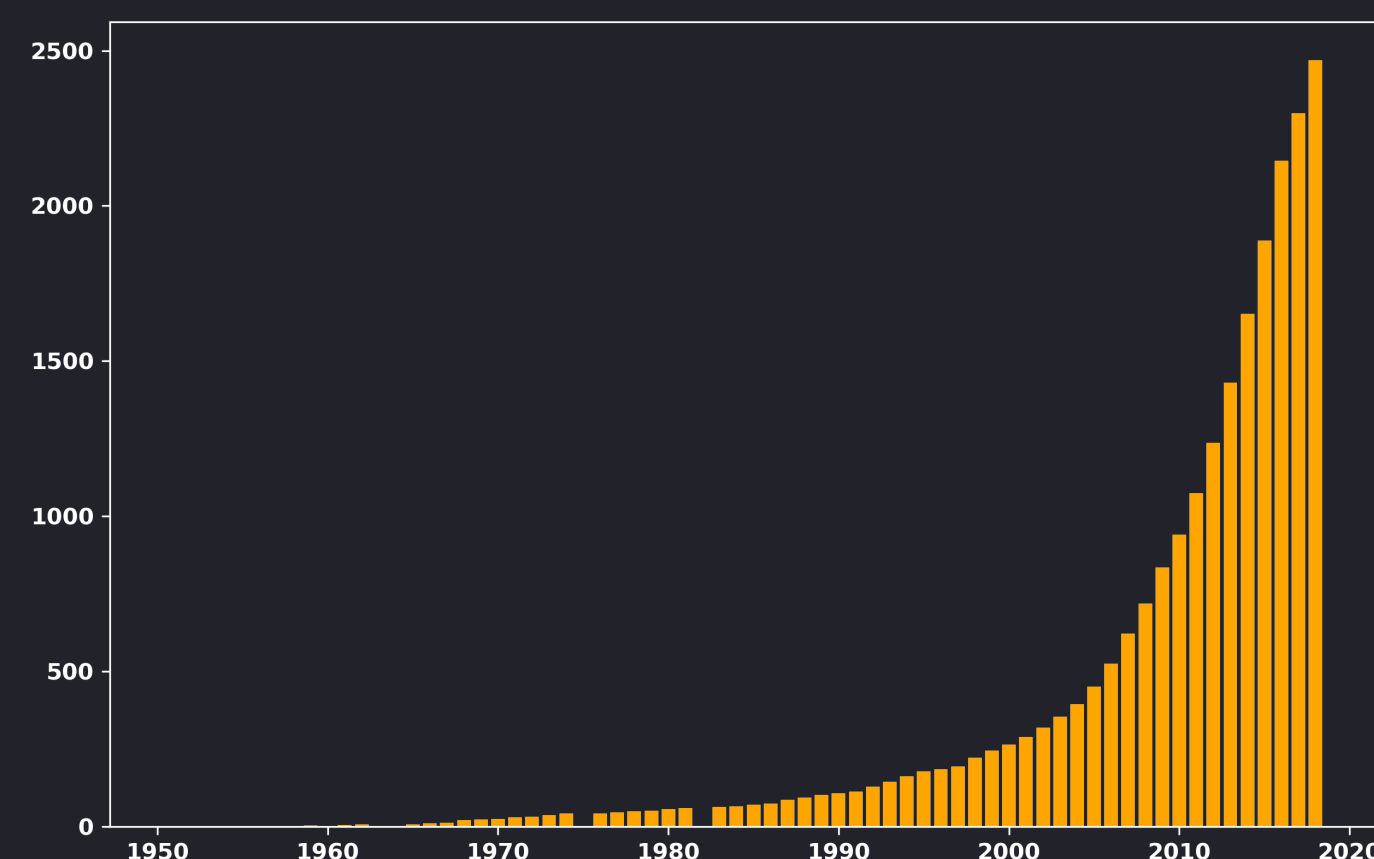
## HOW & FROM WHERE DO WE COLLECT DATA?



```
$ pip install arcas
>>> import arcas

>>> api = arcas.Arxiv()
>>> params = api.parameters_fix(title="EHBEA",
                                abstract="EHBEA",
                                records=1)

>>> url = api.create_url_search(params)
>>> request = api.make_request(url)
>>> root = api.get_root(request)
>>> raw_article = api.parse(root)
>>> article = api.to_dataframe(raw_article[0])
```

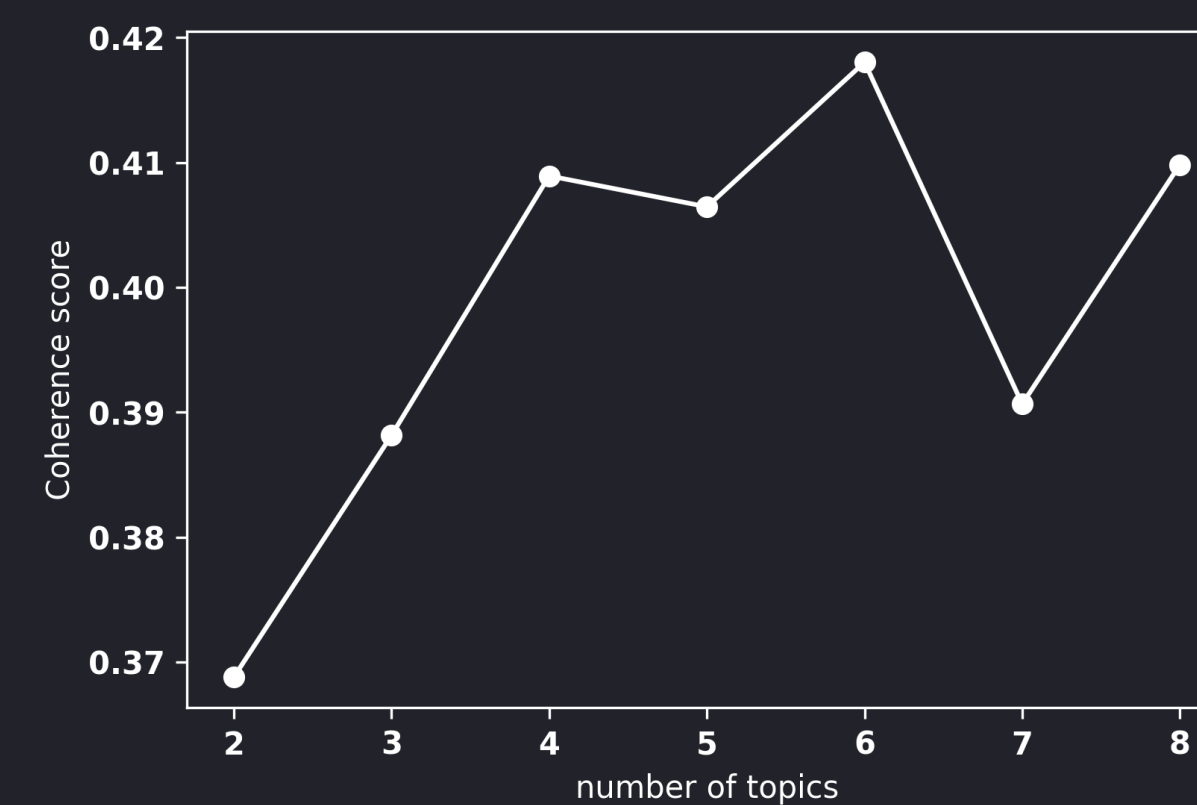


## WHAT DO RESEARCHERS WRITE ABOUT?

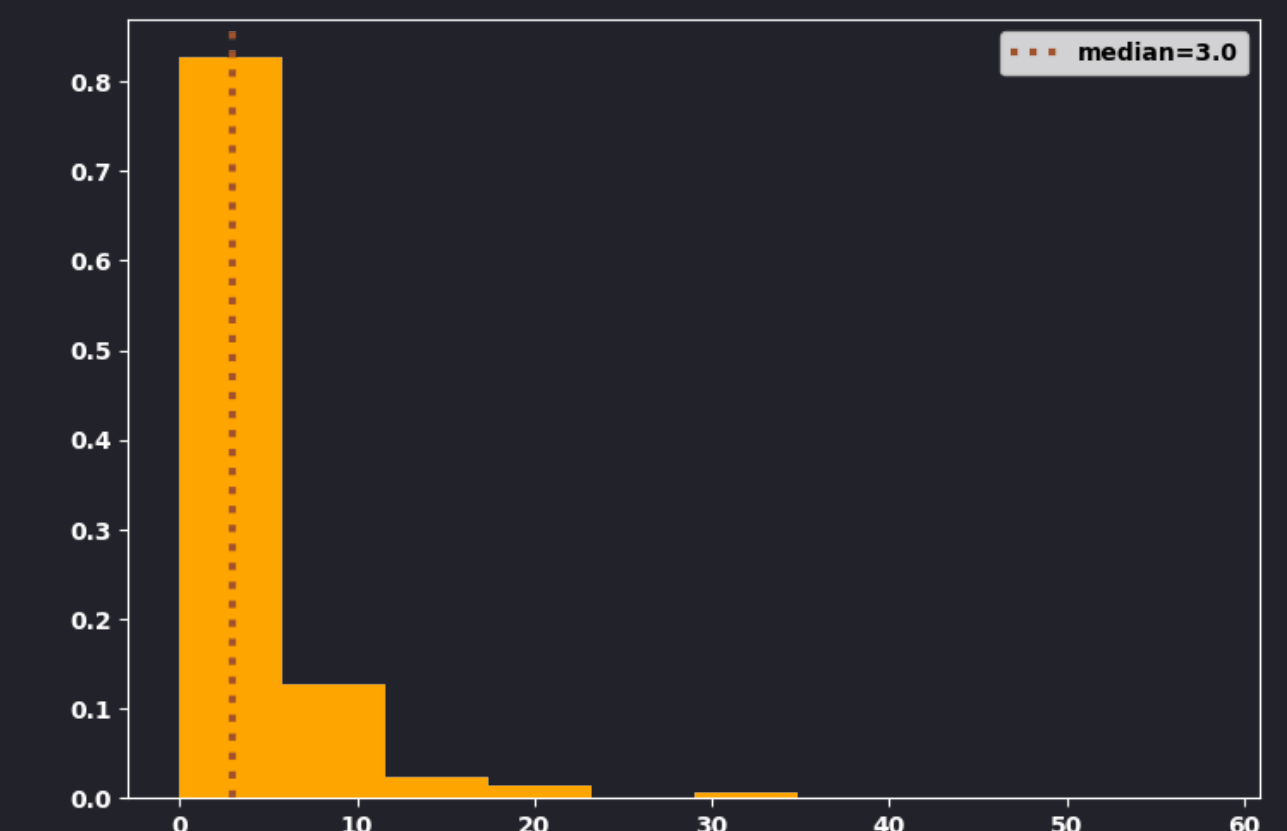
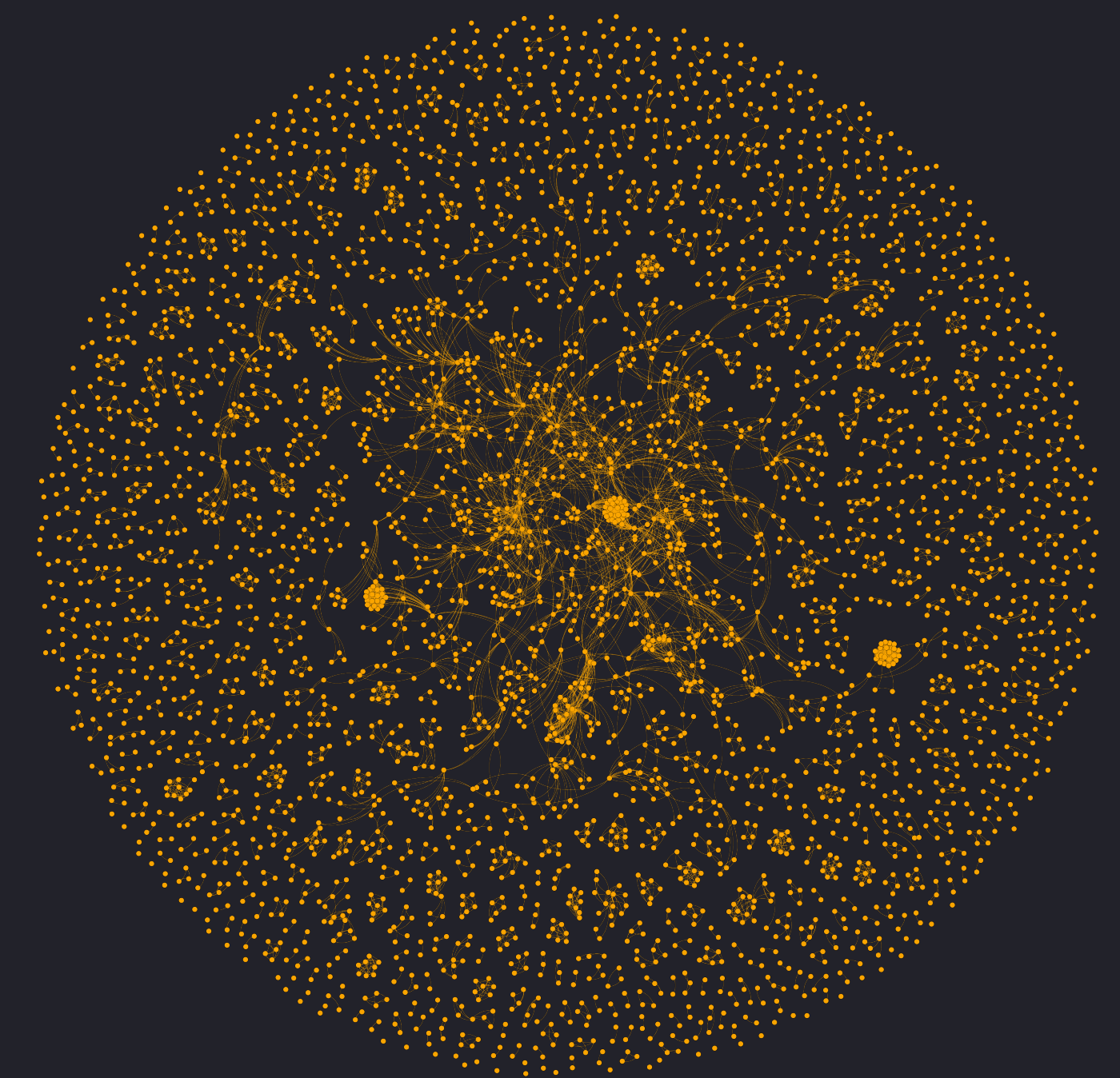


$\xrightarrow{\text{LDA}} \mathbb{R}^5 \rightarrow \text{Topic}_i$

- Topic 1:  $0.039 \times$  "cooperation",  $0.028 \times$  "study", and  $0.026 \times$  "human"
- Topic 5:  $0.020 \times$  "cooperation",  $0.028 \times$  "agents", and  $0.026 \times$  "strategies"



## IS THE FIELD OF COOPERATION A COOPERATIVE FIELD?



- A
- B
- C