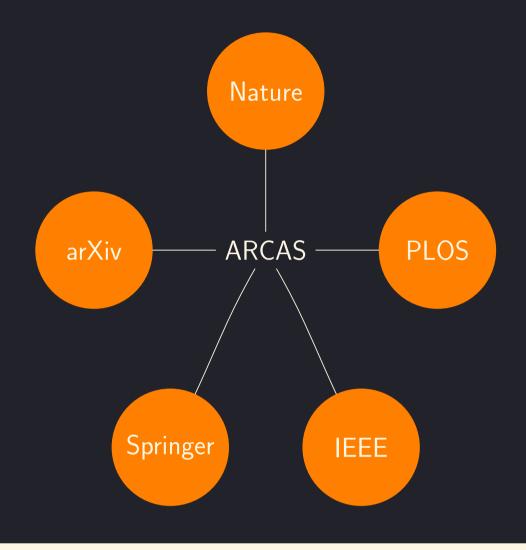


A bibliometric study of the Iterated Prisoner's Dilemma



 $oxed{1}$ We collect scholarly data $oxed{2}$ We classify abstracts into research topics $oxed{3}$ We explore collaboration using co-authorship

1 HOW & FROM WHERE DO WE COLLECT DATA?



RCAS is an open source tool with which we collect articles' meta-data in a few lines of code

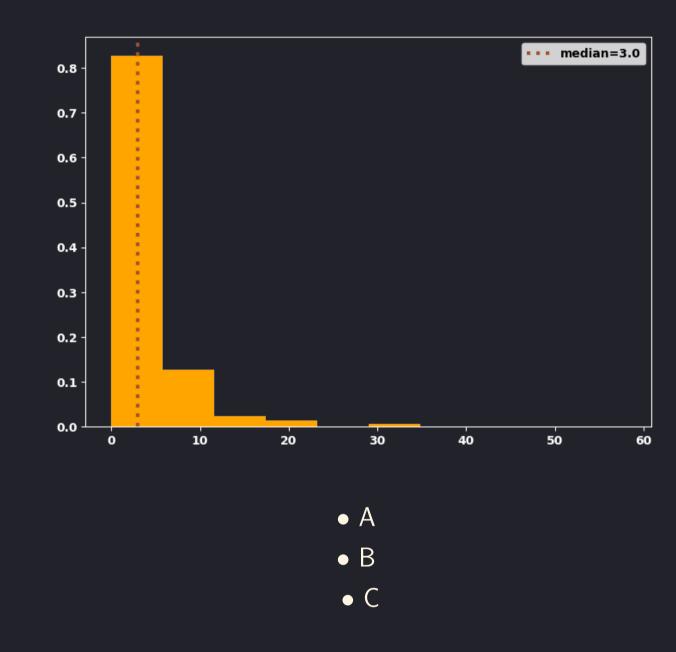
>>> import <u>arcas</u>

```
>>> 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])
keywords: prisoner's dilemma, prisoners dilemma, prisoner dilemma, prisoners evolution, prisoner game theory
                            search field: title, abstract, text
    2500
    2000
    1500
    1000
     500
```

1990 2000 2010 2020

2 WHAT DO RESEARCHERS WRITE ABOUT? Latent Dirichlet Allocation cooperation, network, population, evolutionary game, strategy, player, agent social, behavior, study, experiment individual, group, good, high model, theory, system, problem cooperation, network, population, evolutionary game, strategy, player, agent social, behavior, study, experiment individual, group, good, high model, theory, system, problem

IS THE FIELD OF COOPERATION A COOPERATIVE FIELD?



1960

1970 1980