

The conundrum of scientific collaboration in a competitive science: individual motivations and social contexts

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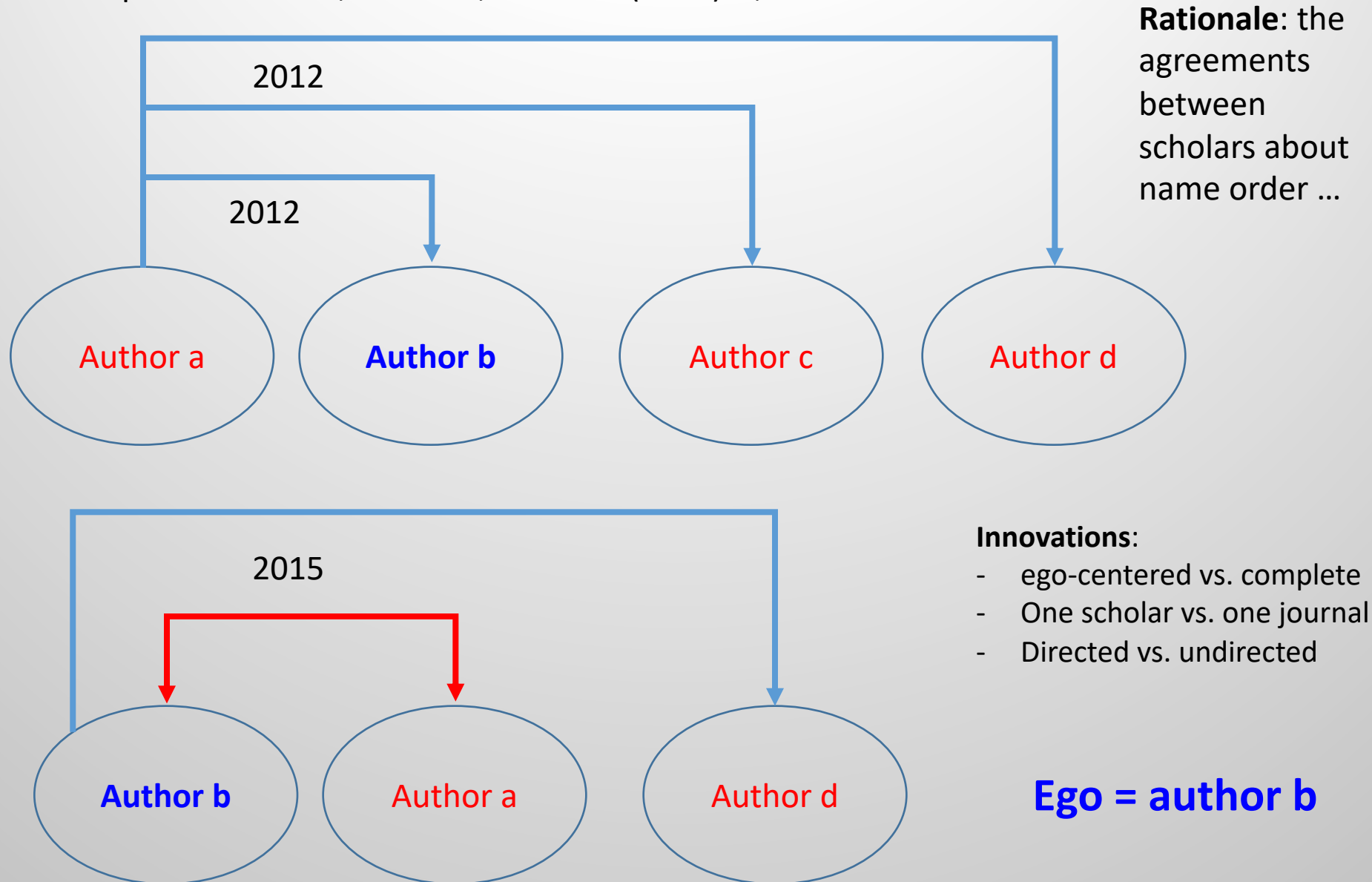
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Adjacency lists based on papers' author names

Paper 1: author a, **author b**, author c, author d (2012) ..., ...

Paper 2: **author b**, author a, author d (2015) ..., ...



A shiny web application of R function developed for data crawl

Who are researchers mostly co-authoring with?

see how it works



Copy the link to your person of interest Google Scholar profiles below and see the co-authorships network; go here to see a video of how it works <https://goo.gl/053N2o>

google scholar profile link

<https://scholar.google.com/citations?user=BEzh-pcAAA>

Submit

Reference: data for co-authorships and publications are being extracted from google scholar with 'scholar' package for R

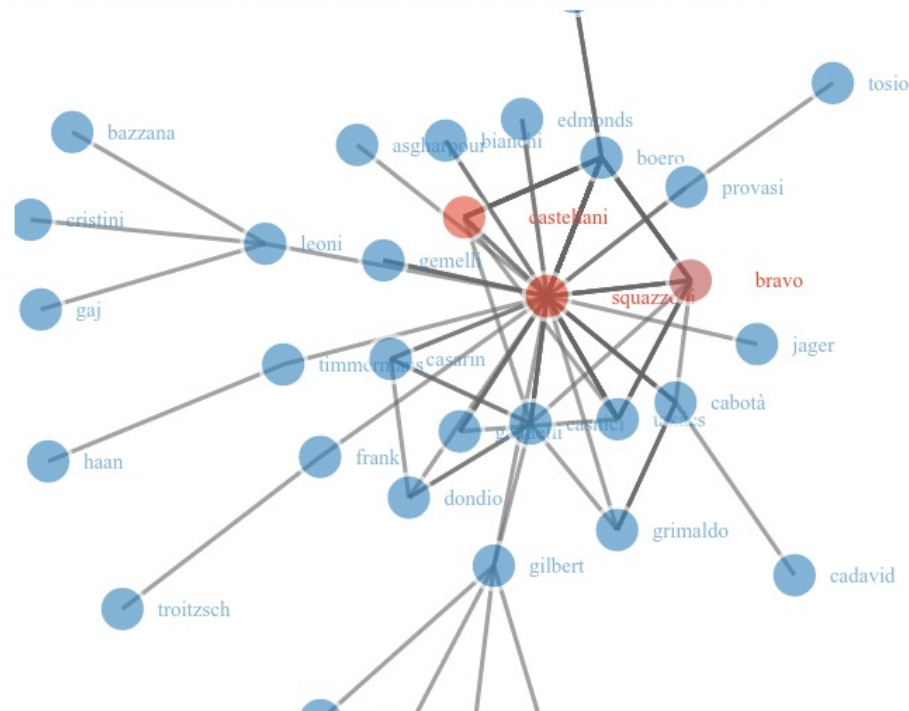
** It is the first and earliest version, some issues are known and in the process to be solved, some not, I will be happy to hear: [akbaritabar\[at\] gmail.com](mailto:akbaritabar@gmail.com)

author's data

	number of articles	unique journals	oldest article	number of top journals	h-index
1	92	57	2000	0	15

Raw co-authorships Graph

use mouse scroll to zoom in and out; further details (including main component) below

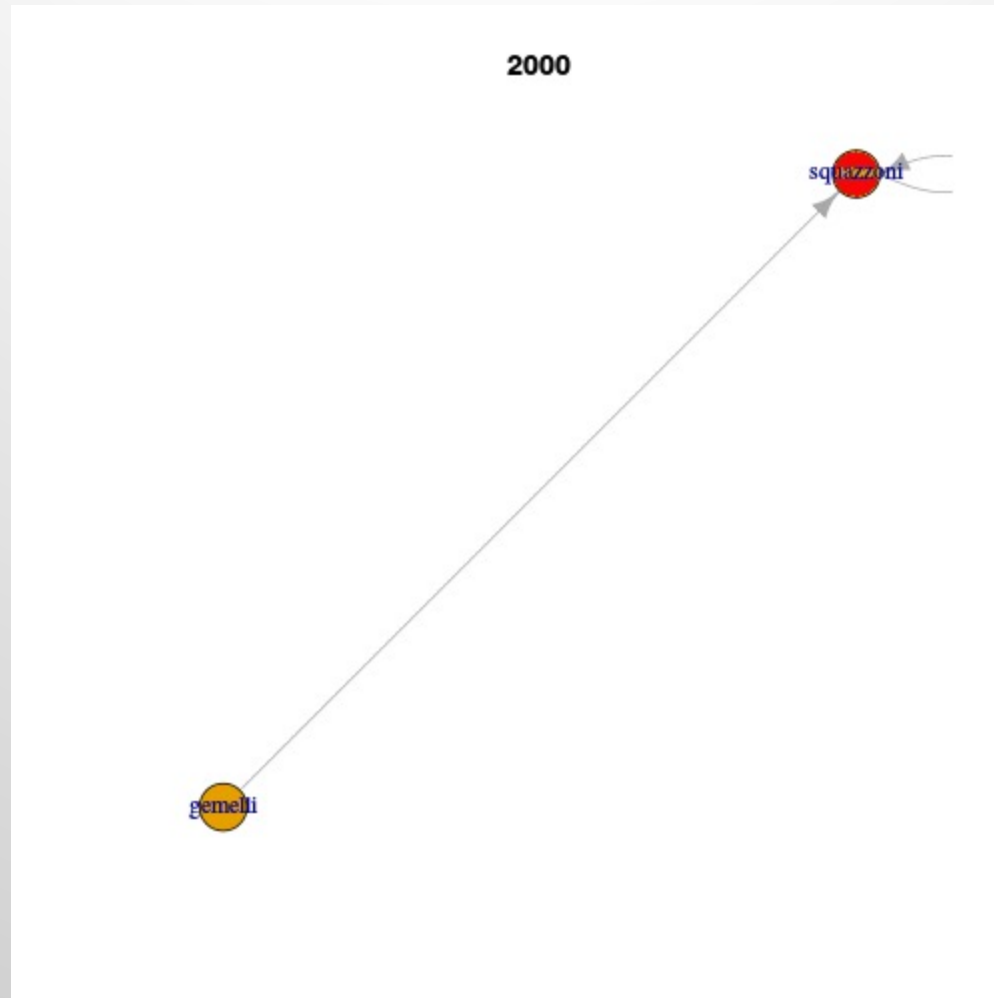


Main component

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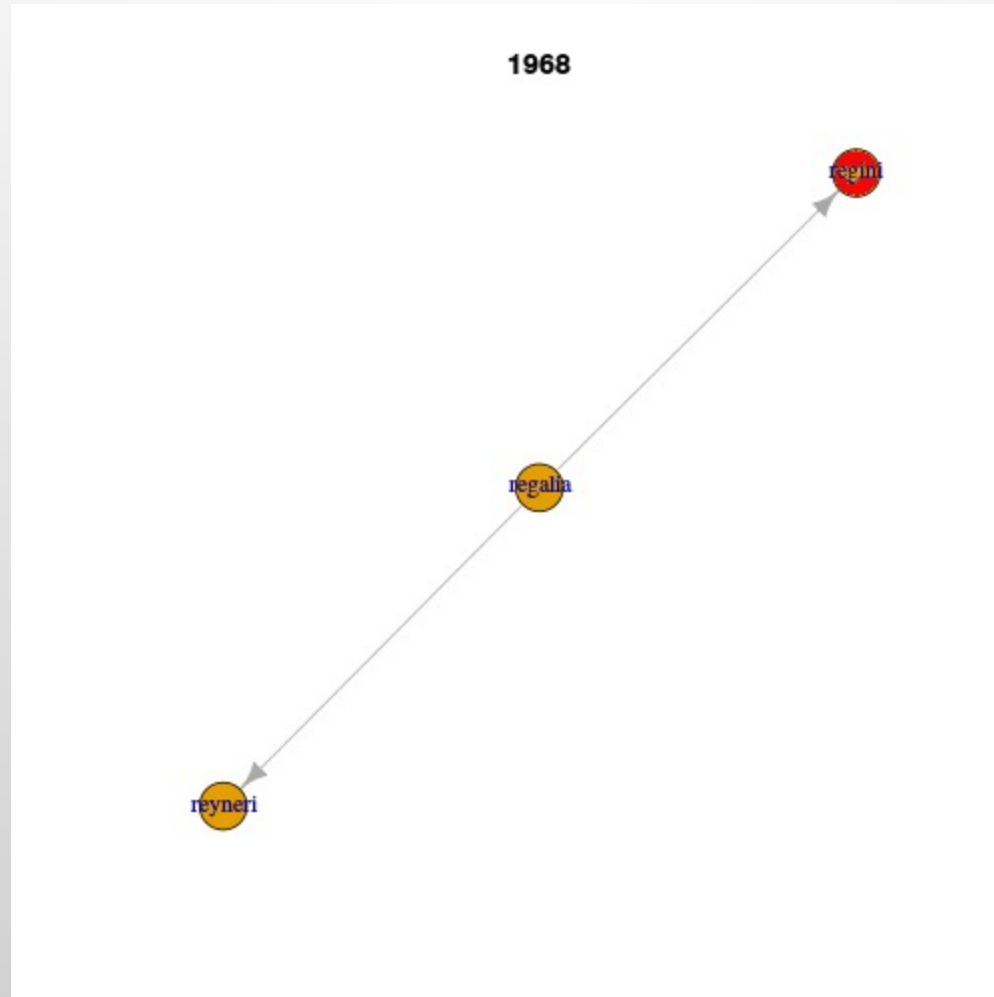
Trend of changes in co-authorships

(middle aged, associate professor, 2000 – 2015)



Trend of changes in co-authorships

(aged, full professor, 1968 – 2015)



Introduction to my turtles ;)

- ca -> ca
- Create-turtles Scholars
- Create-Links collaboration (co-authorships, co-citation, shared keywords, personal networks)
- Scholars-own :
 - Tenure or not
 - Gender
 - Age
 - ethnicity
 - Field (sociology, anthropology, demography, ABM ...)
 - Status and value homophily
 - Organizational foci
 - Means-ends rationalization

Empirical and policy implications

- I hope to understand the individual strategies in scientific collaborations;
[efficient strategies to suggest to others](#)
- I hope to find ways to [decrease the expenses in economy of science](#) like university and research expenses through suggesting more fruitful strategies of collaboration
- How [institutes can improve research initiatives](#) and motivate scholars
- [Where to publish](#), to get more noticed and build better collaborations in future
- [Students](#), where to apply, where to affiliate, who to work with (personality and strategies); **(online laboratory, give your past, know your future)**
- Is it the university and department that matters, or individual initiative ...
- Maybe better [evaluation indexes for universities, departments, fields ...](#)