

# Is the 'rich-club' effect impoverishing our open communities?



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# Community Building

**Rich-Club**

# Rich-Club

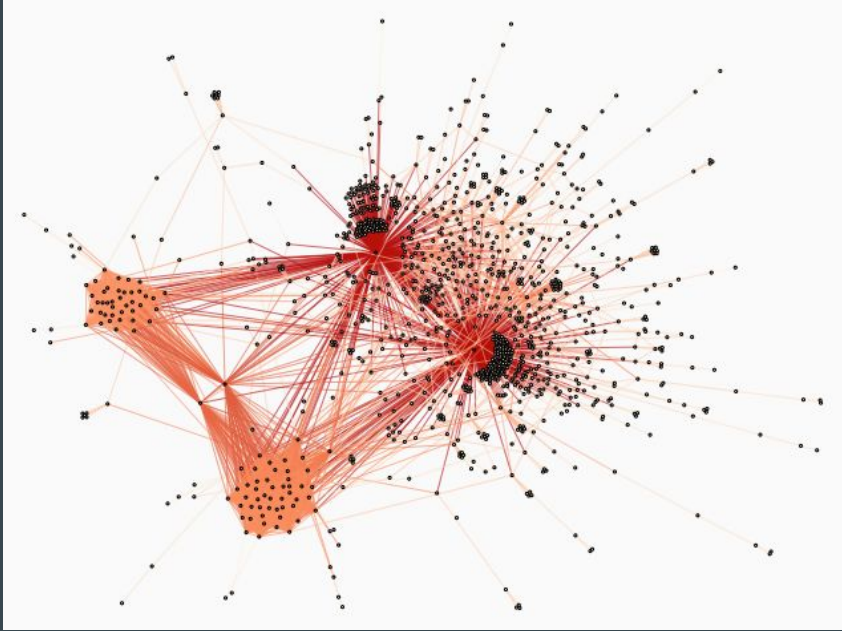
The phenomenon where contributors with a high number of collaborations are likely to cooperate with other well-connected individuals

[bit.ly/rich-club-github](https://bit.ly/rich-club-github)

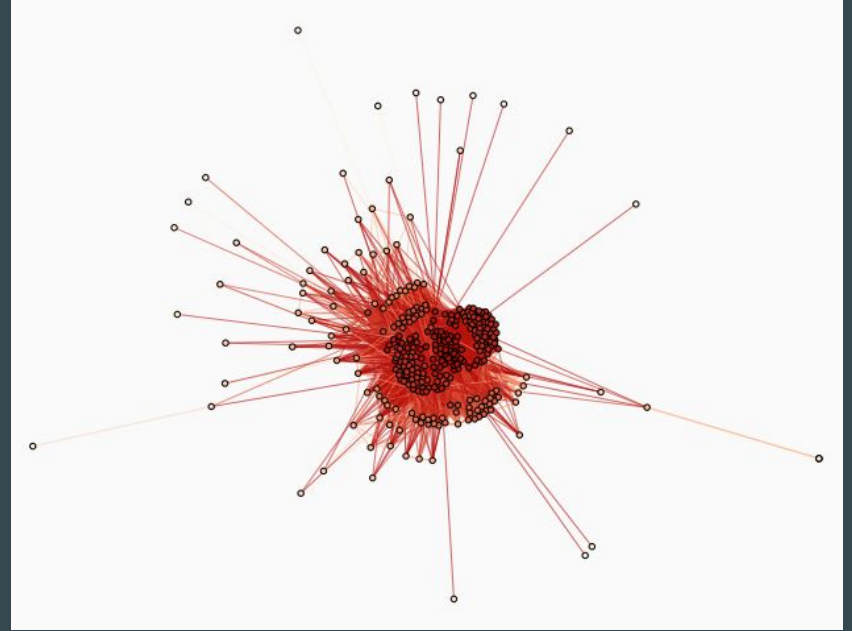
# Rich-Clubs on Github

- 100 most popular projects on Github
- Exploring connectivity patterns / social graphs
- Research findings call for evaluation and reaction to RC coefficient by project maintainers

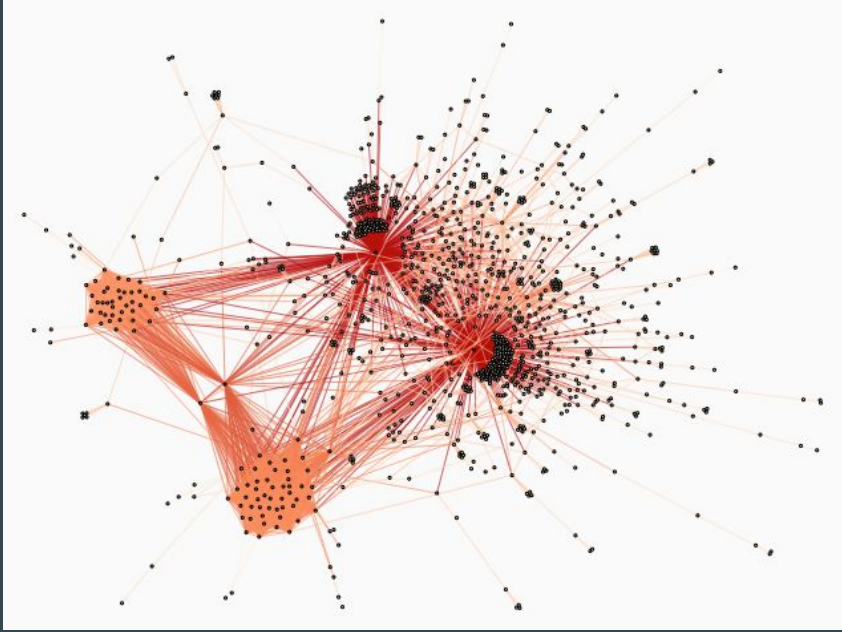
[bit.ly/rich-club-github](https://bit.ly/rich-club-github)



Interactions graph for Materialize project. The *club* is formed by two main users and two well-connected subgroups.



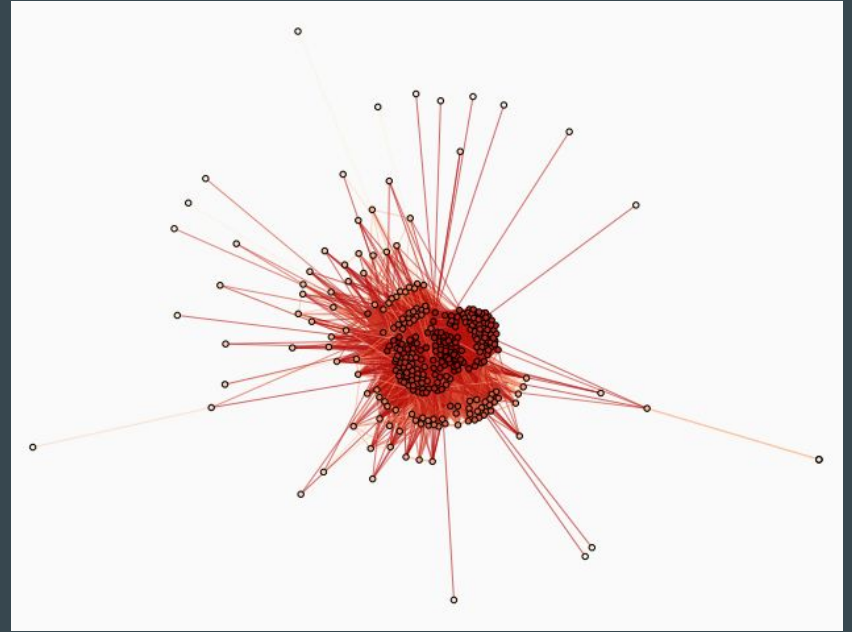
Interactions graph for Swift project. Most of the users are connected to each other, giving the idea of a wider collaboration across all the developers involved.



- Established in 2014 by a team of 4 developers
- Has 3,853 commits and 252 contributors
- Over **1,000** of those commits belong to just two top contributors, who are members of the original team
- This project is still clearly ‘owned’ by its original founders

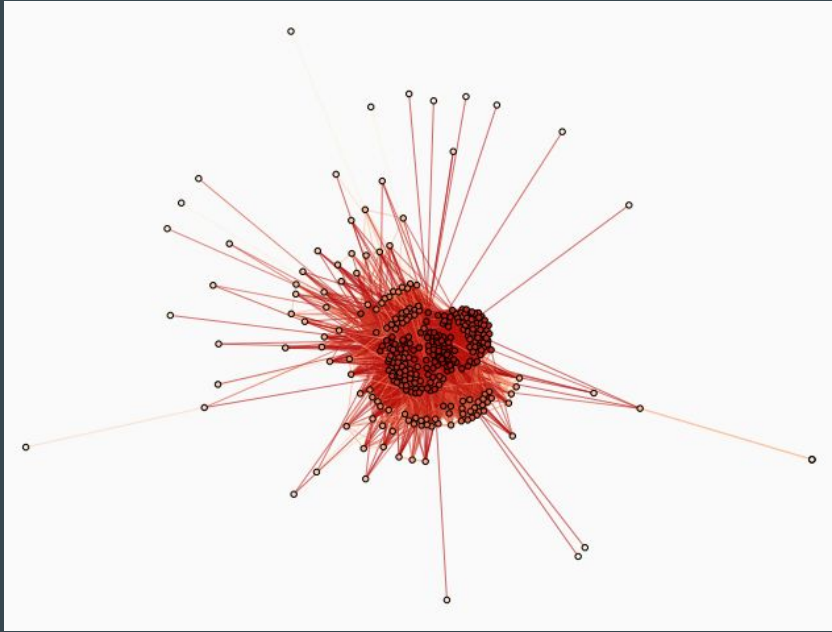
Materialize project: **high** rich-club coefficient

- Started in 2010 and publicly announced by Apple in 2014 and open sourced in 2015
- Has more than 84,000 commits and 674 contributors, with 14 top (1,000+) and 44 frequent (between 100 and 1,000) contributors
- 4 of the top contributors are not affiliated with Apple, indicating that this project has attracted and retained a broader diversity of contributors



Swift project: **low** rich-club coefficient





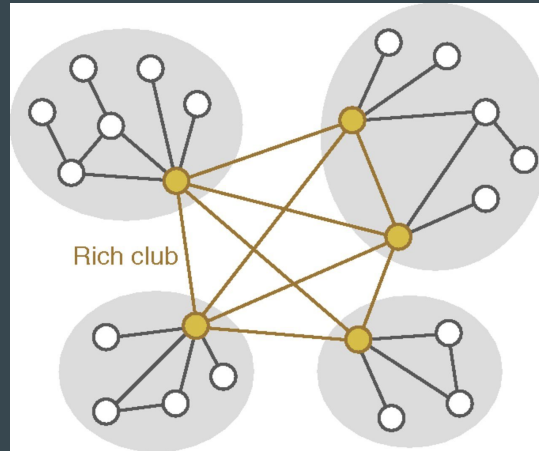
Swift project — **low** rich-club coefficient:  
ensure information flows to all members of the  
project



Materialize project — **high** rich-club coefficient:  
governance policies to guarantee broad  
community participation

# Funding Rich-Clubs

Szell and Sinatra:



[bit.ly/funding-goes-to-rich-clubs](http://bit.ly/funding-goes-to-rich-clubs)

# Funding Rich-Clubs

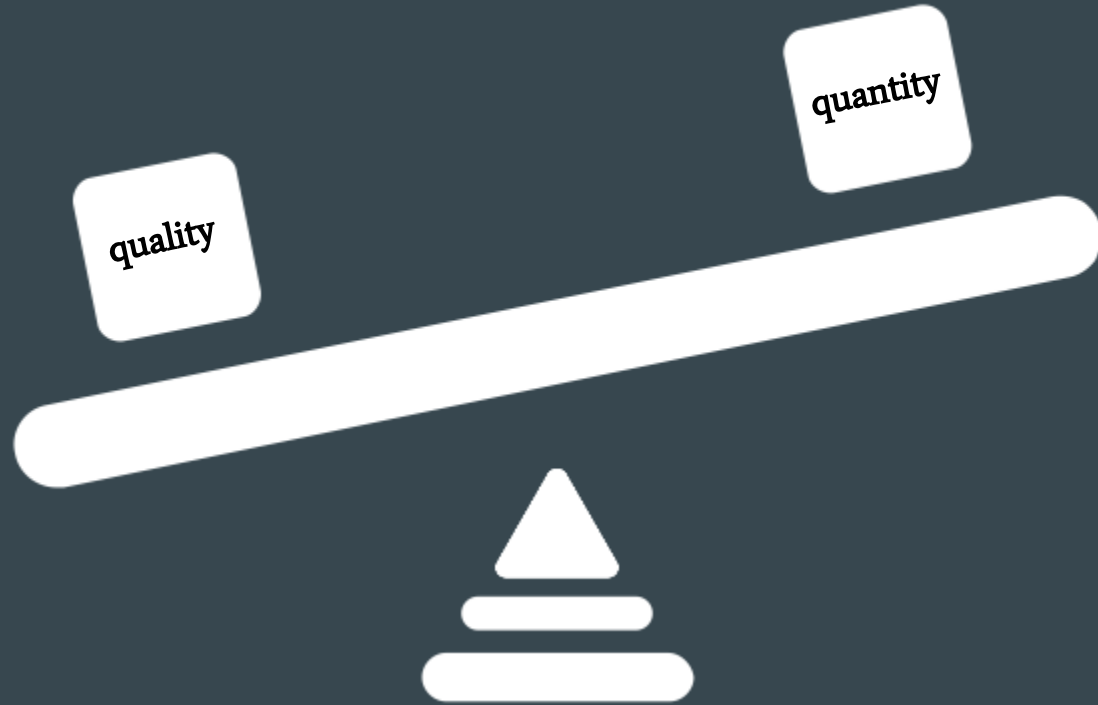
Szell and Sinatra:

Distinct correlation between funded projects and institutional status; the higher the reputation of a university, the more funding would be received.

[bit.ly/funding-goes-to-rich-clubs](https://bit.ly/funding-goes-to-rich-clubs)



# Contributions



# Examples of Manifestation of RC in other projects

## Making Open Textbooks

introduction: collaborate and create!



**Rebus** COMMUNITY



# Participate in the Community



## Contribute

Contribute skills, knowledge, and expertise to the community.



## Enroll

Grow your expertise by joining our professional development programs



## Brainstorm

Get started with a new open textbook project.



## Exchange

Share and discover resources, templates, and tools.



## Meet up

Join an Office Hours session or discussion, and hear the latest OER news.

## Questions to Consider for Maintaining Balance

<https://forms.gle/pMck8EBYRBspvPc96>



Unpublished

SHOW DETAILS

# Rich Club Long Talk

Add a description for this Pub

by *Max Mahmoud Wardeh*

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CONTENTS

 draft last updated  
just now

 Publish  
Create a Release

 Request Publication  
Create a Release Review

Media

Footnote

This document contains the timeline of the sessions that we have participated in on the topic of the Rich-Club Phenomenon and its effect on communities building the knowledge commons.

For each of the sessions, we provide details of the conference, for context, as well details of the session we participated in, including our key takeaways.

## Open Education Global

<https://conference.oeglobal.org/2021/>

The annual Open Education Global conference is trying something new over 2021 and 2022 by focusing two elements of the entire conference on the [UNESCO OER Recommendation](#). The Open Education Global conference

<https://opengovernance.pubpub.org/pub/rich-club>

[enquiry.okconnect.org](https://enquiry.okconnect.org)

**Thank You!**

# Continue the Conversation With Us - Get in Touch



If you'd like to chat about building communities & tools to help develop & deliver knowledge to all who need it, then get in touch!



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[@lurnid](https://twitter.com/lurnid)



Whether you have an interest in open publishing, making and makerspaces or leveraging OER to enhance student motivation, let's be in touch!



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