



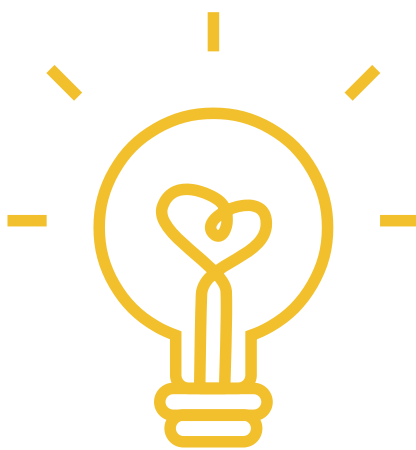
Sean Goggins,  
CHAOSS Project

# The Augur Model for Mining Software Repositories

sgoggins



Quantum Computing and Social Computing are at the same crossroads: Its all about Error Correction

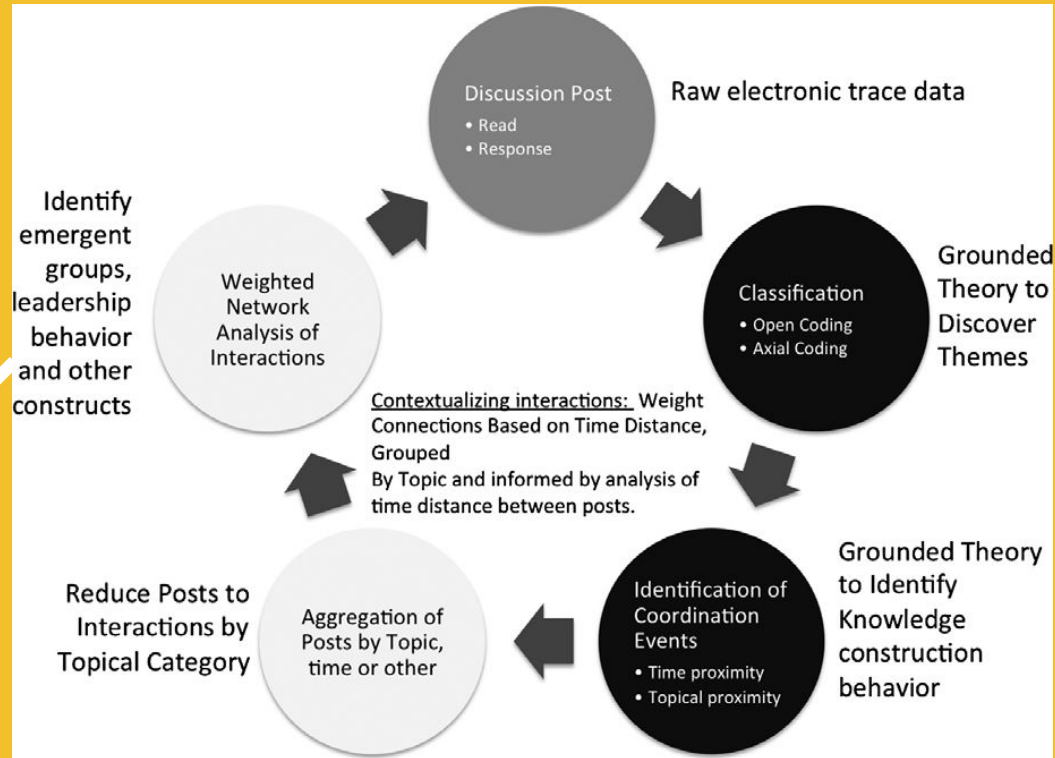


# 01 Social computing

And mining software repositories



# Qualitative Data Integration for Measuring Social Connection



# Weighting

Commit

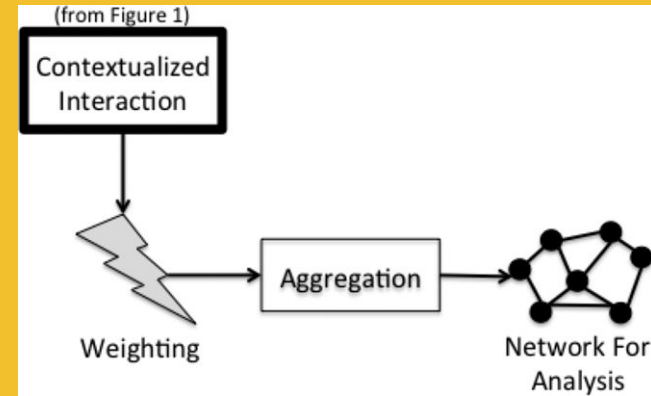
Issue

Change Request

Issue  
Comment

CR Review

CR  
Comment





01

## Maintainership

Commits and Change Requests Merged Have greatest weight

02

## Community Development

Quick responsiveness to issues and CRs have greatest weight

03

## Corporate OSPO

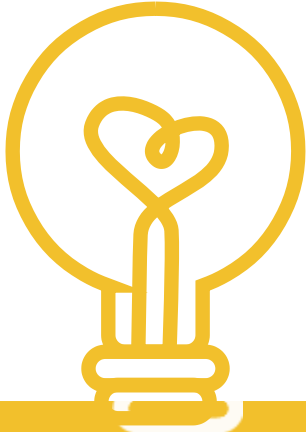
Dependencies and vulnerabilities

Licensing

04

## Research


Understanding rhythms and Ecosystems



01

# Augur & 8Knot

<https://ai.chaoss.io><https://metrix.chaoss.io>



Login

Groups

Repos ▾

Collection Status

Filter Repos

Search

Previous

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#	Repo Name	Owner	Reports	Commits	Issues	Change Requests
1	<a href="#">augur</a>	<a href="#">chaoss</a>	TODO	10773	604	TODO
2	<a href="#">operate-first-twitter</a>	<a href="#">operate-first</a>	TODO	64	3	TODO
3	<a href="#">blueprint</a>	<a href="#">operate-first</a>	TODO	86	56	TODO
4	<a href="#">update-test</a>	<a href="#">SociallyCompute</a>	TODO	6	2	TODO
5	<a href="#">grimoirelab-perceval-opnfv</a>	<a href="#">chaoss</a>	TODO	228	4	TODO
6	<a href="#">grimoirelab-hatstall</a>	<a href="#">chaoss</a>	TODO	195	41	TODO
7	<a href="#">whitepaper</a>	<a href="#">chaoss</a>	TODO	0	0	TODO
8	<a href="#">grimoirelab-sortinghat</a>	<a href="#">chaoss</a>	TODO	1851	316	TODO
9	<a href="#">grimoirelab-elk</a>	<a href="#">chaoss</a>	TODO	3286	221	TODO
10	<a href="#">grimoirelab-perceval</a>	<a href="#">chaoss</a>	TODO	1911	298	TODO
11	<a href="#">grimoirelab-kibiter</a>	<a href="#">chaoss</a>	TODO	20540	25	TODO
12	<a href="#">grimoirelab-kingarthur</a>	<a href="#">chaoss</a>	TODO	360	44	TODO
13	<a href="#">grimoirelab-cereslib</a>	<a href="#">chaoss</a>	TODO	235	5	TODO



01

# Augur & 8Knot

<https://ai.chaoss.io>

<https://metrix.chaoss.io>



8Knot

Welcome

Contributions

Contributors ▾

Affiliation

CHAOS

Codebase

Info

Augur log in/sign up

Refresh Groups

Manage Groups

Log out

Select Github repos or orgs:

chaoss x

Search

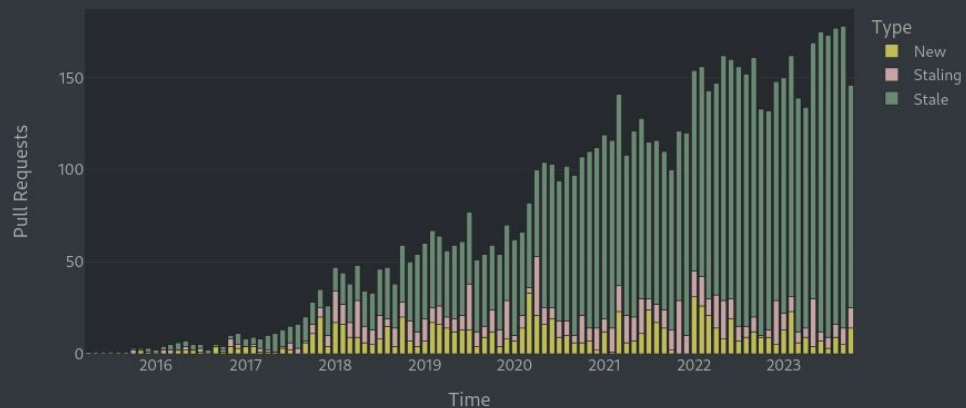
Help

Repo List

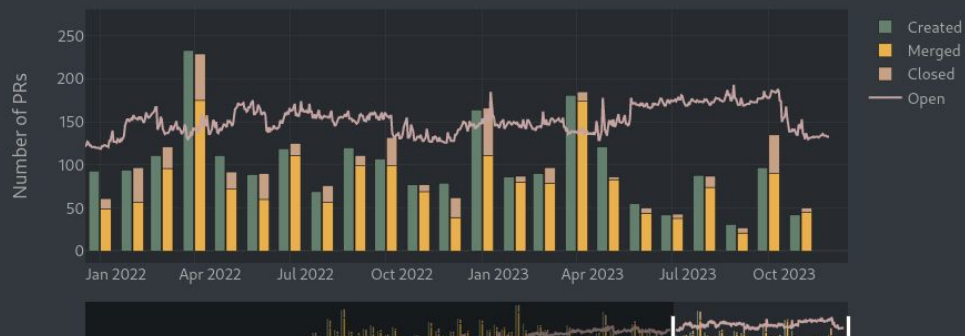
☒ Github Bot Filter

Data Ready

## Pull Request Activity- Staleness



## Pull Requests Over Time





02

# Metric Standards





01

## Dependencies

- How old are my dependencies?
- What dependencies exist at the portfolio level?

02

## Community Development

Quick responsiveness to issues and CRs have greatest weight

03

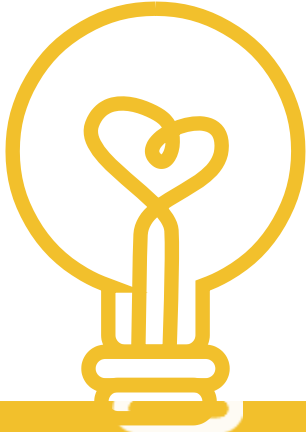
## Licenses

- What is the concern for licensing?
- Relationship of license to governance
- Relationship of license to OSI

04

## Contributor Movement

- How do we attract and retain excellent contributions?
- What are the early signals of contributor movement?





THANK YOU