

Finding the Order in the CHAOS(S) of Metrics: Are We There Yet?

And further questions :)

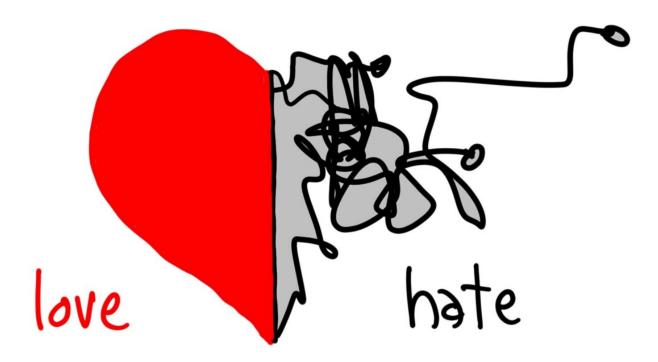
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Metrics and I









Metrics and I

Good grades

Computer Science degree

IT job

Reasonable salary

Traveling the world

well, I mean flying a lot, I mean a LOT

IT profession was the right choice(?)

I'm an unhealthy person(?)





90/60 blood pressure





Metrics and corporations







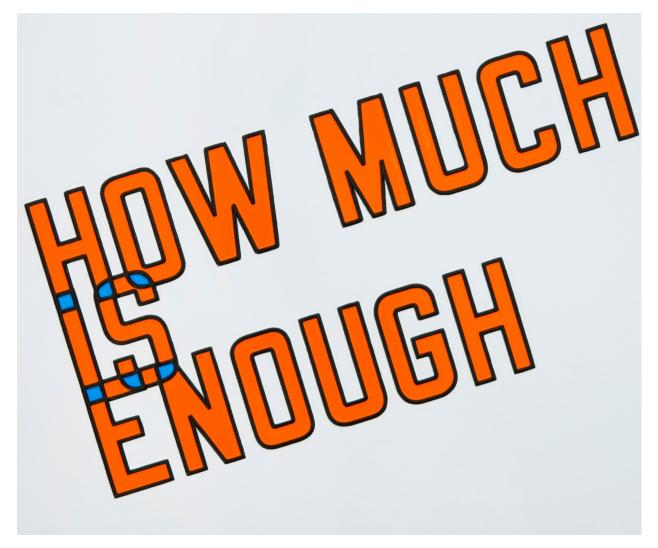
And then in a team-chat yesterday

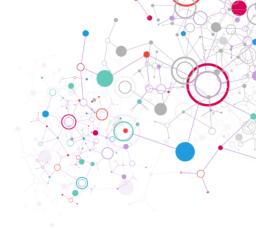






Metrics and corporations

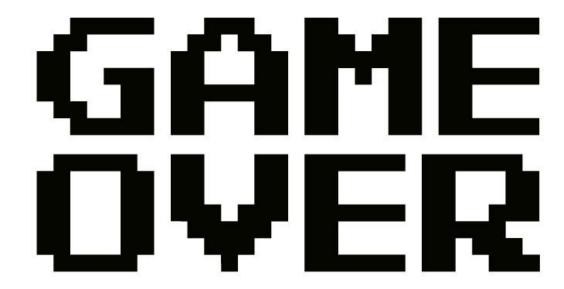






Is the game(ing) over?







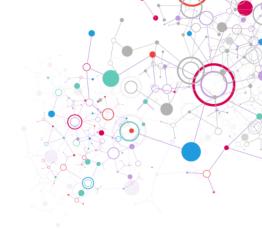
Metrics and open source ecosystem







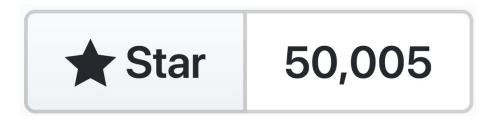
So what's up with GitHub (stars)? - in other words, tools vs metrics



"If your project is not on GitHub it's not open source"

"Your project is not in the top based on GitHub stars; why should I care?"

"Is contribution equal to PRs (pull requests) and issues?"



(P.s. Octocat is awesome!!)



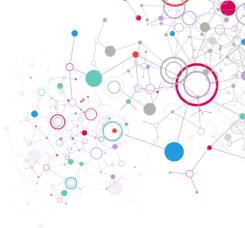
CHAOSS Mission



- Produce integrated, open source software for analyzing software development, and definition of standards and models used in that software in specific use cases;
- 2. establish implementation-agnostic metrics for measuring community activity, contributions, and health; and
- optionally produce standardized metric exchange formats, detailed use cases, models, or recommendations to analyze specific issues in the industry/OSS world.



CHAOSS Goals



- 1. Establish standard implementation-agnostic metrics for measuring community activity, contributions, and health
- 2. Produce integrated open source software for analyzing software community development
- 3. Build reproducible project health reports/containers



Structure: Focus Around Interests



Implementationagnostic community development metrics

Software

Integrated FOSS tools for software development analytics





Metrics



Diversity and Inclusion are known to challenge unchecked assumptions and lead to more open and fair collaboration practices.

An OSS community has states: *Growth, Maturity, and Decline*. The state that a community is in may prove important when evaluating both across and within community concerns.

The *Risk* metric informs how much risk an OSS community might pose. The evaluation of risk depends on situation and purpose.

Many OSS communities rely on and are used in other open source software, creating *Dependencies* throughout an OSS ecosystem.

Developers and organizations capture *Value* from engaging in OSS communities. This set of metrics can inform what this value is.





Working Groups



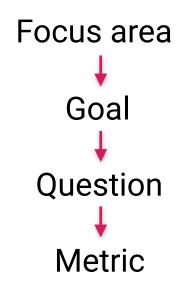




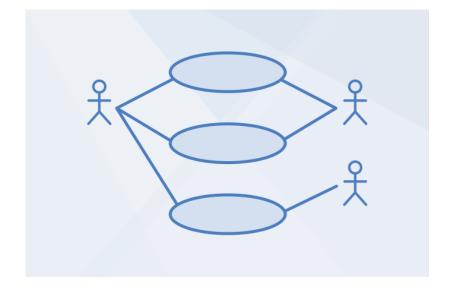
Growth, Maturity and Decline (GMD)



Process (under test)



Use cases





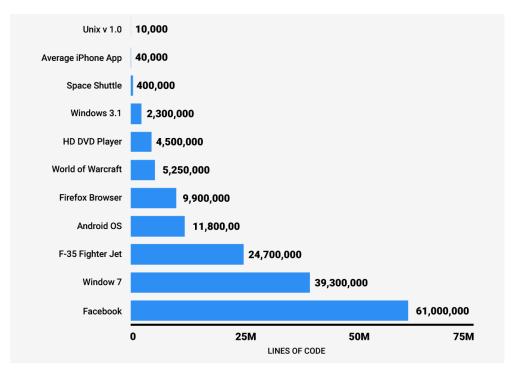
Growth, Maturity and Decline (GMD)



Focus areas

- Code development
- Community growth
- Issue resolution
- Risk
- Value

https://github.com/chaoss/wg-gmd





Diversity and Inclusion (D&I)











Diversity and Inclusion (D&I)

Focus areas

- Event diversity
- Contributor community diversity
- Communication inclusivity
- Recognition of good work
- Leadership
- Governance
- Project places



https://github.com/chaoss/wg-diversity-inclusion





Software

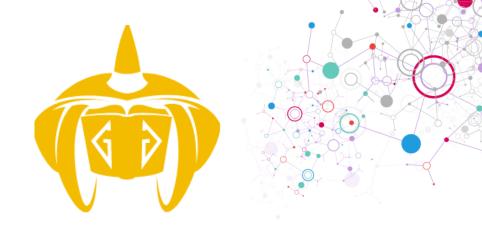


Software Committee

Implement Reference in Open Source

- Develop a FLOSS reference implementation of defined metrics.
- Integrate GrimoireLab, GHData, Prospector, and cregit into an Open Source Collaborative Framework
- Develop a better understanding of how contributions happen to large projects over time.
- https://chaoss.community/software/





GHData

Prospector



Live Examples to Explore

GrimoireLab:

opnfv.biterg.io

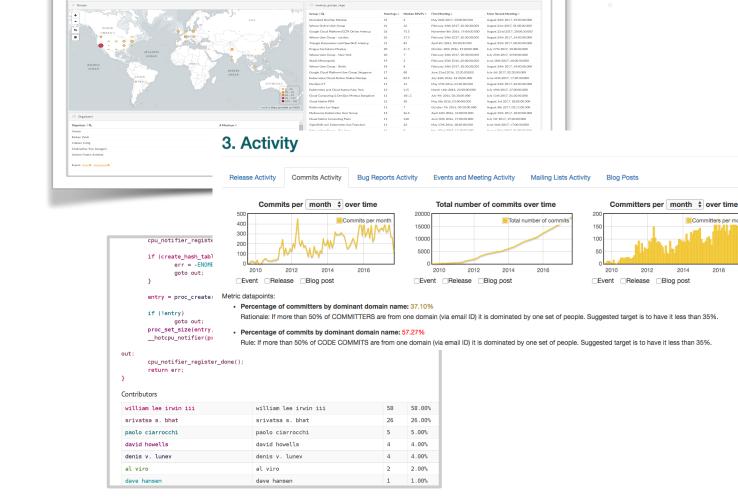
cauldron.io

Prospector:

prospector.bitergia.net

Cregit:

cregit.linuxsources.org





Join us to extract knowledge from



CI-JACSS

chaoss.community

