Octocat, here and elsewhere, by GitHub https://octodex.github.com

Gendered Creative Teams Workshop CEU Budapest, 26 May 2017

Gender Diversity in Online Software Teams

Aid or Barrier?

Bogdan Vasilescu

@b_vasilescu

http://bvasiles.github.io

Carnegie Mellon University



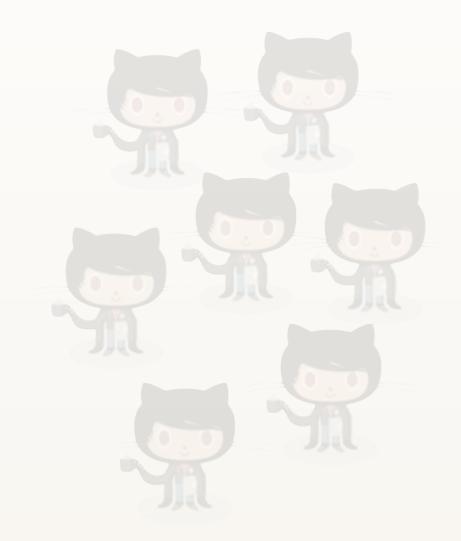


Which is more effective?



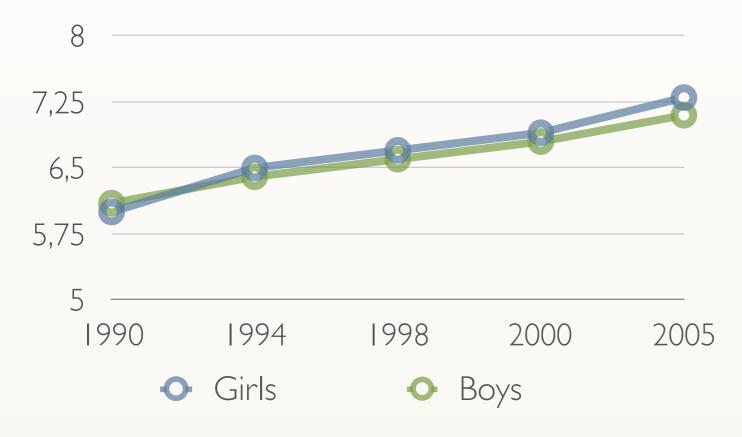


Which is more effective?

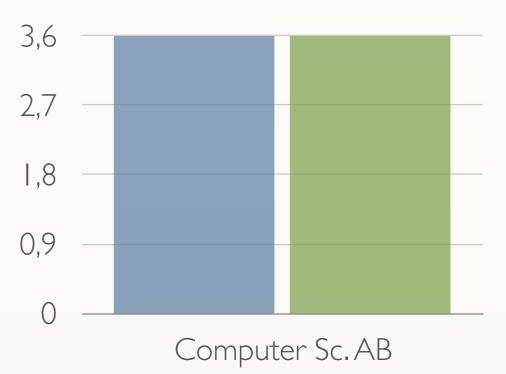




High School Credits Earned in Mathematics and Science, by Gender, 1990–2005



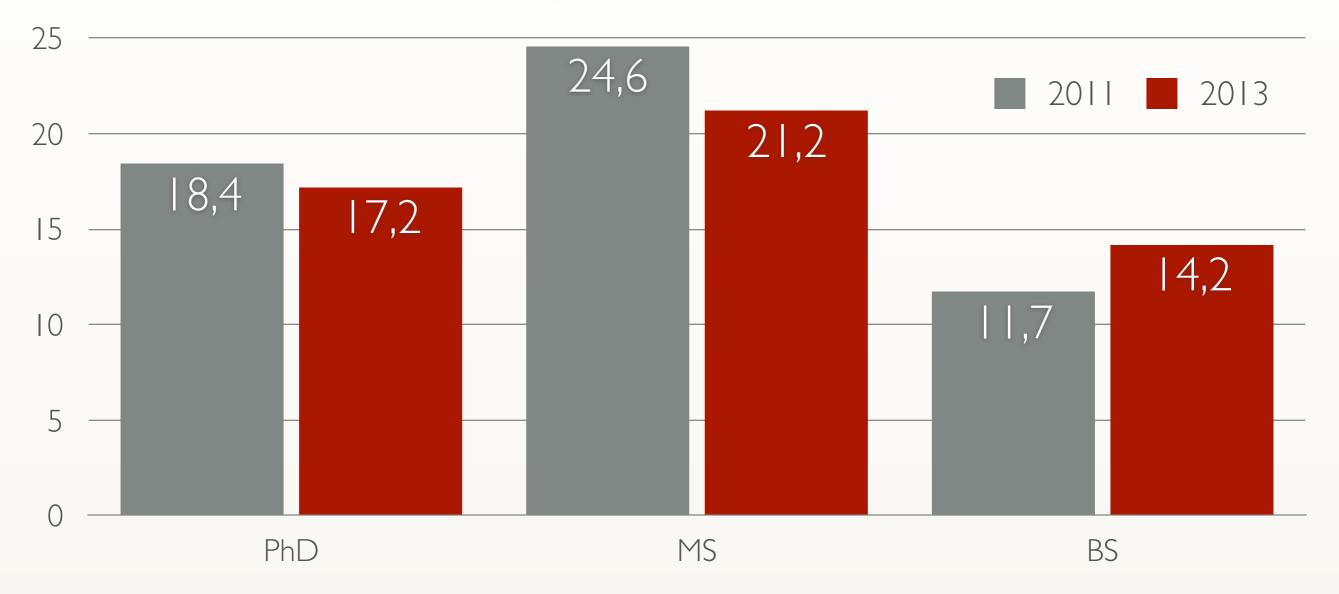
Average Scores on Advanced Placement Tests in Computer Sience 2009



No gender differences early

GENDER DIVERSITY IN HIGHER CS EDUCATION

CRA survey across 179 departments



Underrepresentation in CS

- Stereotype threat
- Self confidence
- Bias in classroom, advising
- Lack of women faculty, mentors, role models

GENDER DIVERSITY IN TECH COMPANIES

| Company | Male | Female |
|-----------|------|--------|
| Twitter | 90% | 10% |
| Yahoo | 85% | 15% |
| Facebook | 85% | 15% |
| LinkedIn | 83% | 17% |
| Microsoft | 83% | 17% |
| Google | 82% | 18% |
| Apple | 80% | 20% |

Underrepresentation in tech companies

GENDER DIVERSITY IN OPEN SOURCE SOFTWARE

| Company | Male | Female |
|-----------|------|--------|
| Twitter | 90% | 10% |
| Yahoo | 85% | 15% |
| Facebook | 85% | 15% |
| LinkedIn | 83% | 17% |
| Microsoft | 83% | 17% |
| Google | 82% | 18% |
| Apple | 80% | 20% |



Even worse in OSS!

FLOSS 2013: A survey dataset about free software contributors: challenges for curating, sharing, and combining G Robles, L Arjona-Reina, <u>B Vasilescu</u>, A Serebrenik, JM Gonzalez-Barahona. *MSR 2014*

GENDER DIVERSITY IN OPEN SOURCE SOFTWARE



The "hacker" culture is male-dominated and unfriendly to women.

[Turkle, S. The Second Self: Computers and the Human Spirit. MIT Press, 2005]

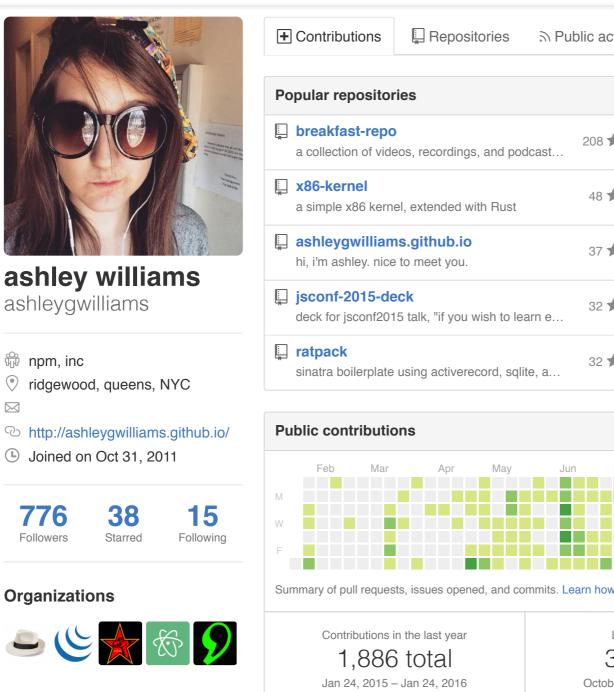


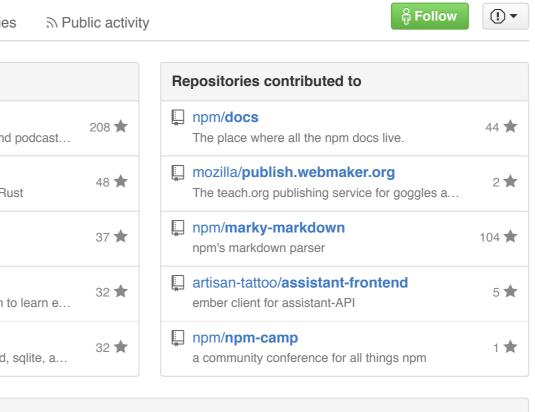
Reports of active **discrimination** and **sexism** towards women.

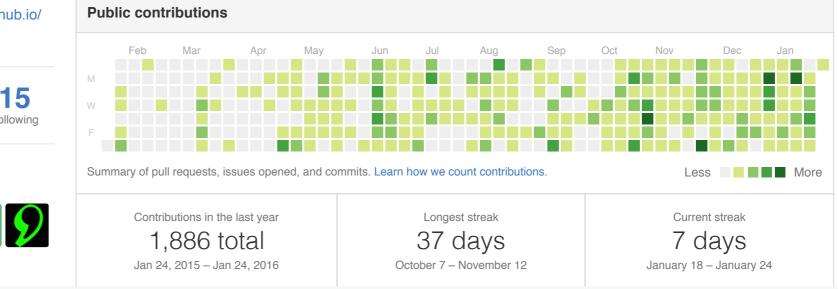
[Nafus, D. 'Patches don't have gender': What is not open in open source software. New Media & Society 14, 4 (2012), 669–683]

THE EVOLUTION OF THE "SOCIAL PROGRAMMER"









Programming in a socially networked world: the evolution of the social programmer C Treude, F Figueira Filho, B Cleary, MA Storey. *FutureCSD-CSCW 2012*

https://github.com/ashleygwilliams

- Social coding in GitHub: transparency and collaboration in an open software repository L Dabbish, C Stuart, J Tsay, J Herbsleb. CSCW 2012
- Social networking meets software development: Perspectives from GitHub, MSDN, Stack Exchange, and TopCoder A Begel, J Bosch, MA Storey. IEEE Software 2013

GENDER DIVERSITY IN <u>Social coding</u> environments

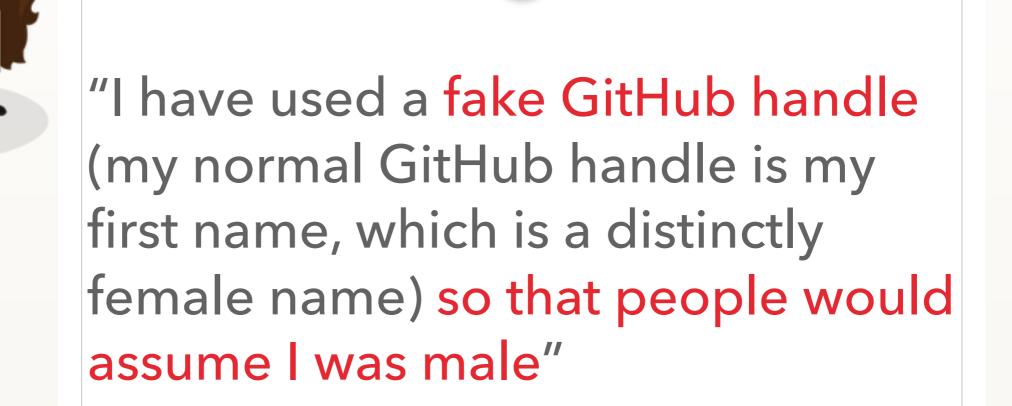




- Google Diversity (2015) <u>www.google.com/diversity/index.html#chart</u>
- Inside Microsoft (2015) <u>https://goo.gl/nT4Yil</u>

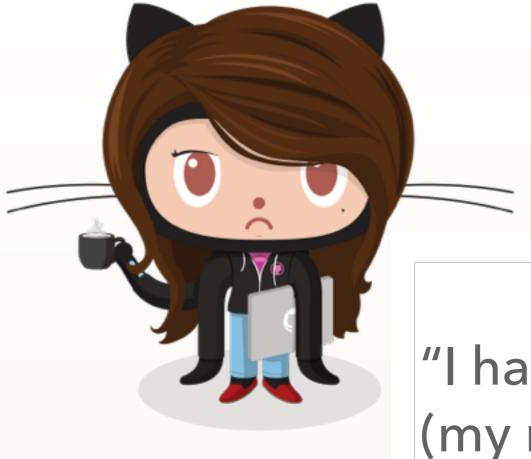
- Exploring the data on gender and GitHub repo ownership
 Alyssa Frazee. <u>http://alyssafrazee.com/gender-and-github-code.html</u>
- Stack Overflow 2015 Developer Survey (26,086 people from 157 countries)
 http://stackoverflow.com/research/developer-survey-2015#profile-gender

SOME ANECDOTAL EVIDENCE OF DISCRIMINATION



 Perceptions of Diversity on GitHub: A User Survey. <u>Vasilescu, B.</u>, Filkov, V., and Serebrenik, A. International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE, IEEE (2015), 50–56.

SOME ANECDOTAL EVIDENCE OF DISCRIMINATION



Does diversity add any value in GitHub teams?

first name, which is a distinctly female name) so that people would assume I was male"

 Perceptions of Diversity on GitHub: A User Survey. <u>Vasilescu, B.</u>, Filkov, V., and Serebrenik, A. International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE, IEEE (2015), 50–56.













Companies with diverse executive boards have higher earnings and returns on equity [McKinsey]







Companies with diverse executive boards have higher earnings and returns on equity [McKinsey]

BENEFITS:

- access to different networks
- broader views
- creativity

. . .

- adaptability
- problem solving

→ INFORMATION PROCESSING THEORY

 Salancik, G. R., and Pfeffer, J. A social information processing approach to job attitudes and task design. Admin. Sci. Quart. 23, 2 (1978), 224–253

DIVERSITY IN SOFTWARE TEAMS?



VS.

HIGHER RISK OF:

- communication breakdown
- conflict
- confusion
- stress
- discrimination

• • •

DIVERSITY IN SOFTWARE TEAMS?



VS.



HIGHER RISK OF:

- communication breakdown
- conflict
- confusion
- stress
- discrimination

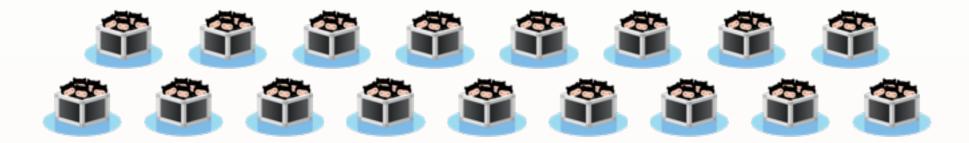
- → SIMILARITY ATTRACTION THEORY
- \rightarrow Social Identity, social categorization theory

- Byrne, D. E. The attraction paradigm. Personality and psychopathology. Academic Press, 1971
- Tajfel, H. Social psychology of intergroup relations. Annu. Rev. Psychol. 33, 1 (1982), 1–39

• • •

NATURAL EXPERIMENT

1. Mine data from many collaborative projects



• Gender and tenure diversity in GitHub teams. Vasilescu, B., Posnett, D., Ray, B., Brand, M.G.J. van den, Serebrenik, A., Devanbu, P., and Filkov, V. CHI Conference on Human Factors in Computing Systems, CHI, ACM (2015), 3789–3798.

NATURAL EXPERIMENT

1. Mine data from many collaborative projects



2. Compare outputs produced per unit time in more/less diverse teams

• Gender and tenure diversity in GitHub teams. Vasilescu, B., Posnett, D., Ray, B., Brand, M.G.J. van den, Serebrenik, A., Devanbu, P., and Filkov, V. CHI Conference on Human Factors in Computing Systems, CHI, ACM (2015), 3789–3798.

NATURAL EXPERIMENT

1. Mine data from many collaborative projects



2. Compare outputs produced per unit time in more/less diverse teams



Gender diversity = mix women/men

Simplifying assumption: gender is binary



Tenure diversity = mix junior/senior

GitHub coding experience

• Gender and tenure diversity in GitHub teams. Vasilescu, B., Posnett, D., Ray, B., Brand, M.G.J. van den, Serebrenik, A., Devanbu, P., and Filkov, V. CHI Conference on Human Factors in Computing Systems, CHI, ACM (2015), 3789–3798.



World's largest open source community

Trace data available @ghtorrent [Gousios et al]







Technical

OSS as meritocracy; contribution quality as main driver of impression formation [Dabbish et al, Marlow et al]









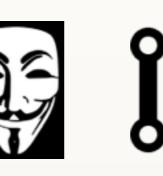


Technical



Theoretical





Anyone can contribute to any repository. Who's on a team?

Technical







Technical







Gender is not explicitly recorded



Theoretical



Technical









Theoretical



Technical







lo da

How to analyze such large-scale longitudinal trace data?

APPROACH: MIXED METHODS

Diversity survey



Welcome to our GitHub diversity survey!

This survey is aimed at developing a better understanding of t national origin in distributed software engineering teams.

Your participation is voluntary and confidential. If you agree to



 Perceptions of Diversity on GitHub: A User Survey. <u>Vasilescu, B.</u>, Filkov, V., and Serebrenik, A. International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE, IEEE (2015), 50–56.





What do people perceive constitutes a team?

Do people recognize differences among others on their team? Which differences are more prominent?

How is diversity perceived to influence collaboration?

 Perceptions of Diversity on GitHub: A User Survey. <u>Vasilescu, B.</u>, Filkov, V., and Serebrenik, A. International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE, IEEE (2015), 50–56.

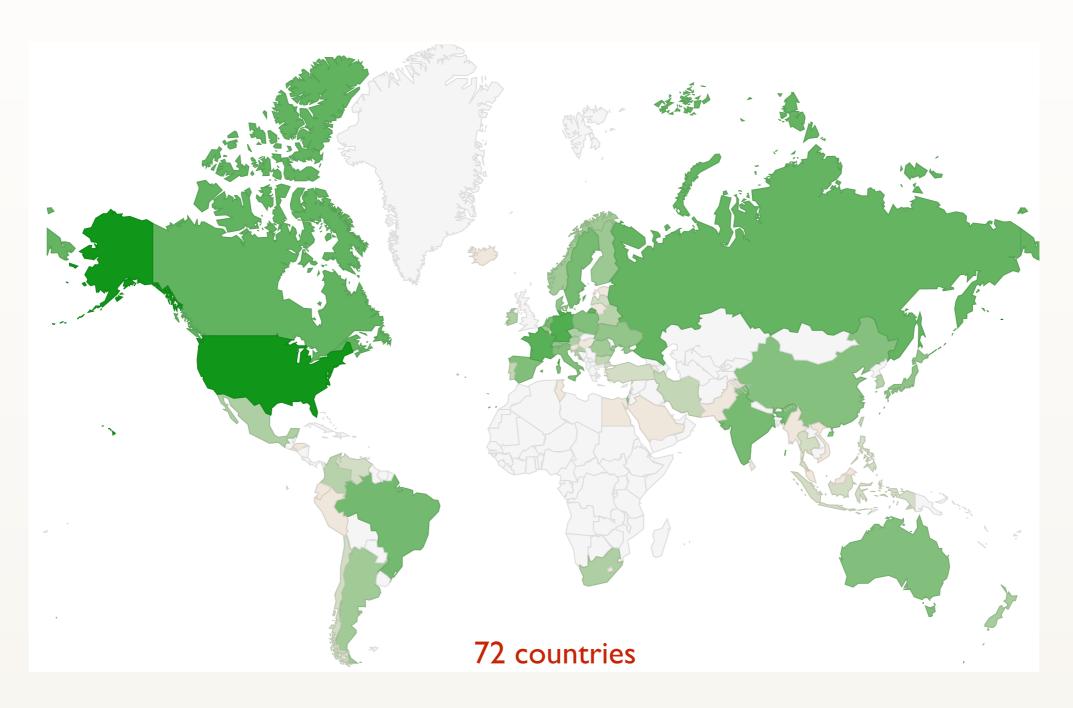
SURVEY: GEOGRAPHY (1)



F 24%

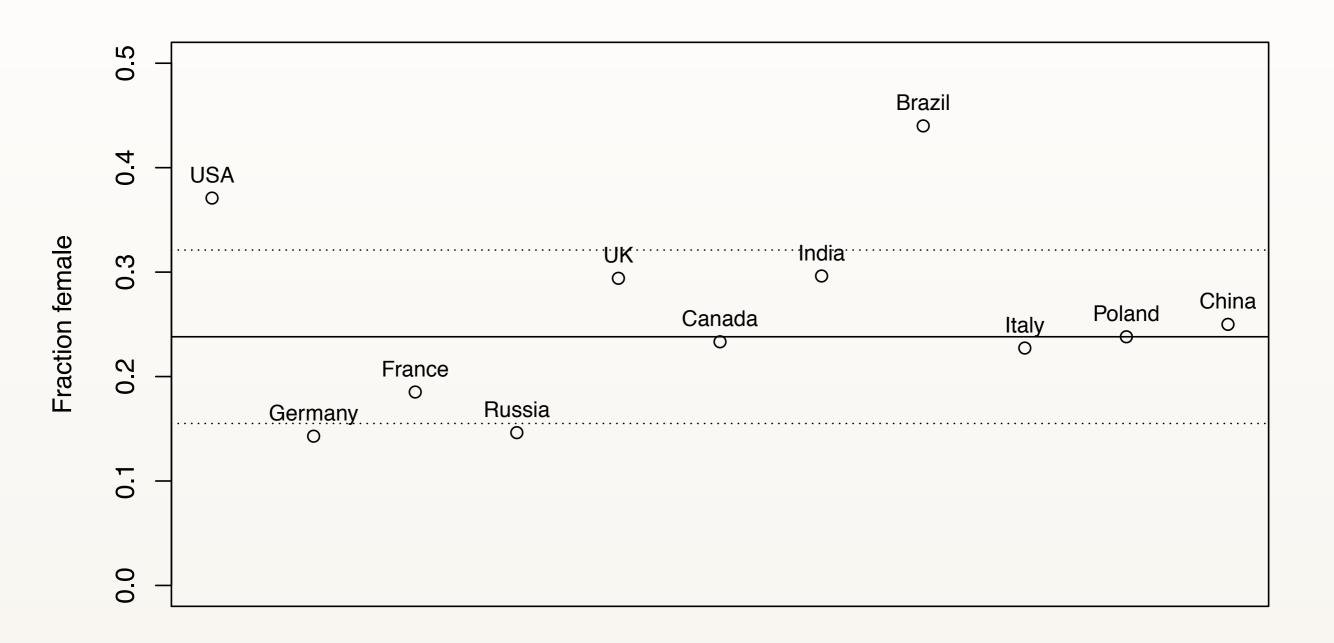
M 75%

4,500 invitations, 816 responses



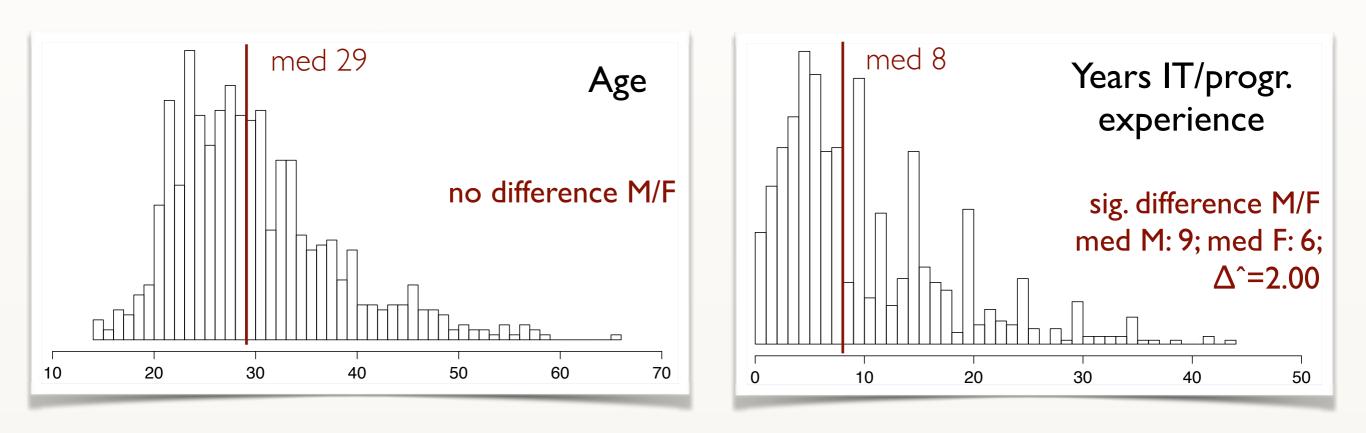


4,500 invitations, 816 responses M 75%





4,500 invitations, 816 responses M 75%





4,500 invitations, 816 responses

| Occupation | % |
|---------------------------------|-------|
| Web developer | 59.70 |
| Manager / Team leader | 21.50 |
| Student | 20.64 |
| Desktop software developer | 21.25 |
| Mobile application developer | 19.16 |
| IT staff / System administrator | 15.48 |
| Academic | 13.51 |
| Other | 13.14 |
| Database administrator | 9.95 |
| Embedded application developer | 9.46 |
| I don't work in tech | 2.58 |

F 24% M 75%

F 24%

M 75%

4,500 invitations, 816 responses



| Occupation | % |
|---------------------------------|-------|
| Web developer | 59.70 |
| Manager / Team leader | 21.50 |
| Student | 20.64 |
| Desktop software developer | 21.25 |
| Mobile application developer | 19.16 |
| IT staff / System administrator | 15.48 |
| Academic | 13.51 |
| Other | 13.14 |
| Database administrator | 9.95 |
| Embedded application developer | 9.46 |
| I don't work in tech | 2.58 |

F 24%

M 75%

4,500 invitations, 816 responses

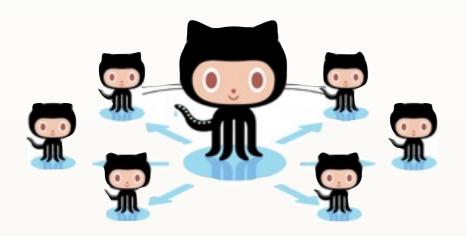


| Occupation | % |
|---------------------------------|-------|
| Web developer | 59.70 |
| Manager / Team leader | 21.50 |
| Student | 20.64 |
| Desktop software developer | 21.25 |
| Mobile application developer | 19.16 |
| IT staff / System administrator | 15.48 |
| Academic | 13.51 |
| Other | 13.14 |
| Database administrator | 9.95 |
| Embedded application developer | 9.46 |
| I don't work in tech | 2.58 |

SURVEY: TEAM COMPOSITION



Whom do you consider part of your team?



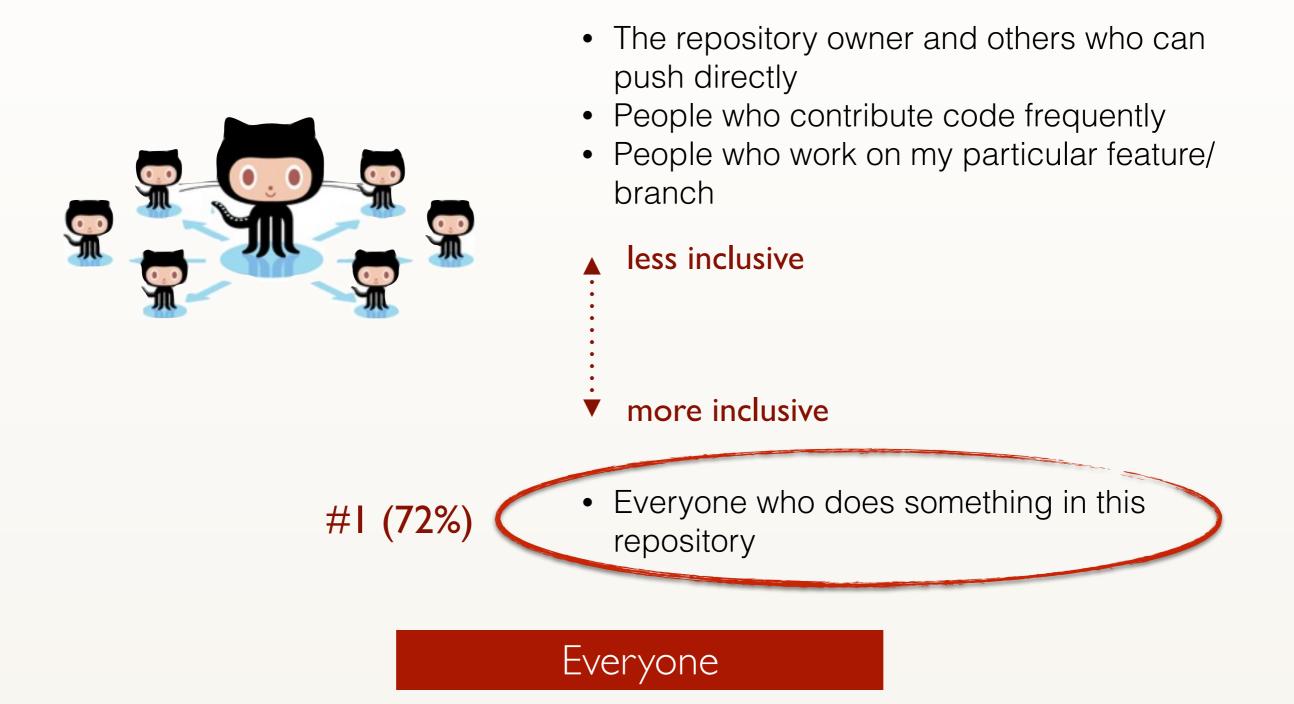
- The repository owner and others who can push directly
- People who contribute code frequently
- People who work on my particular feature/ branch
 - less inclusive

- more inclusive
- Everyone who does something in this repository

SURVEY: TEAM COMPOSITION



Whom do you consider part of your team?



SURVEY: SALIENCE OF DEMOGRAPHICS





Which of the following characteristics of your team members are you aware of?

... for (none other / few other / most other) team members



- Programming skills
- Social skills
- Gender
- Ethnicity
- Overall GitHub experience
- Reputation as programmer
- Country of residence
- Personality
- Age
- Educational level
- Real name
- Hobbies
- Employment
- Political views

SURVEY: SALIENCE OF DEMOGRAPHICS





Which of the following characteristics of your team members are you aware of?

... for (none other / few other / most other) team members



<—> Demographics not salient is OSS [Riordan & Shore]

| Programming skills | 74% |
|--|-----|
| Gender | 48% |
| Real name | 45% |
| Social skills | 42% |
| Country of residence | 40% |
| Personality | 39% |
| Reputation as programmer | 31% |
| Ethnicity | 30% |
| Employment | 30% |
| GitHub experience | 28% |
| Educational level | 26% |
| • Age | 23% |
| Hobbies | 11% |
| Political views | 4% |

Developers are aware of each other's gender

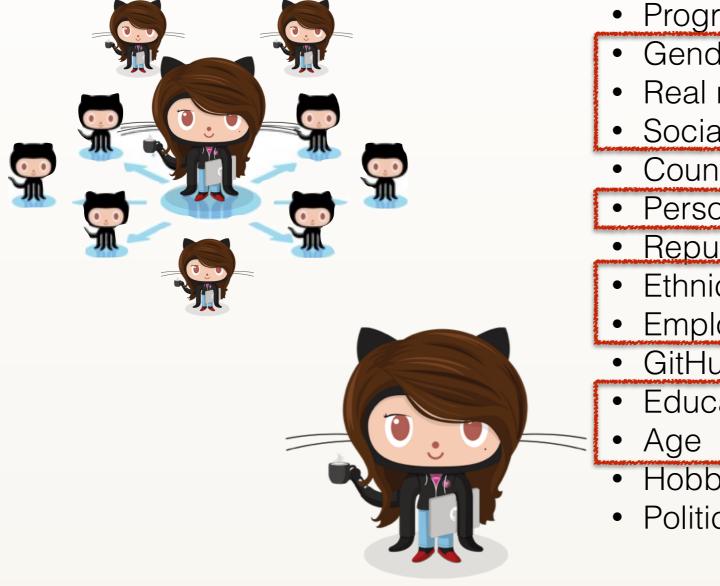
SURVEY: SALIENCE OF DEMOGRAPHICS + WOMEN





Which of the following characteristics of your team members are you aware of?

... for (none other / few other / most other) team members



| Programming skills | 74% |
|--|-----|
| Gender | 48% |
| Real name | 45% |
| Social skills | 42% |
| Country of residence | 40% |
| Personality | 39% |
| Reputation as programmer | 31% |
| Ethnicity | 30% |
| Employment | 30% |
| GitHub experience | 28% |
| Educational level | 26% |
| • Age | 23% |
| Hobbies | 11% |
| Political views | 4% |

SURVEY: VIEWS ON DIVERSITY (1)



Experiences working in a diverse team

"code sees no color or gender"

"any demographic identity is irrelevant"

"more about the contributions to the code than the 'characteristics' of the person"

Meritocracy; no effects of diversity



Experiences working in a diverse team

"diverse viewpoints often lead to lively discussions and new ideas"

"in general it is always **enriching** to communicate with someone different"

"diversity in the body of folks willing to interact and contribute works to strengthen the usability of the library"

Positive effects of diversity



Experiences working in a diverse team

Gender related

"I have used a fake GitHub handle (my normal GitHub handle is my first name, which is a distinctly female name) so that people would assume I was male"

> "interactions are usually positive too, with occasional sexism, but nothing more then one encounters in the rest of life"

"... caused me to leave a project"

Negative effects of diversity

APPROACH: MIXED METHODS

Diversity survey

Welcome to our GitHub diversity survey!

This survey is aimed at developing a better understanding of t national origin in distributed software engineering teams.

Your participation is voluntary and confidential. If you agree to



The team is everyone

Gender is surprisingly salient

Positive/negative/no effects of diversity

APPROACH: MIXED METHODS

Diversity survey



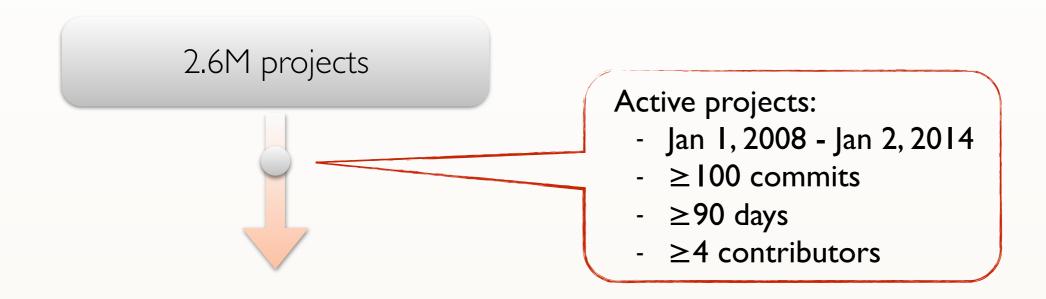
Welcome to our GitHub diversity survey!

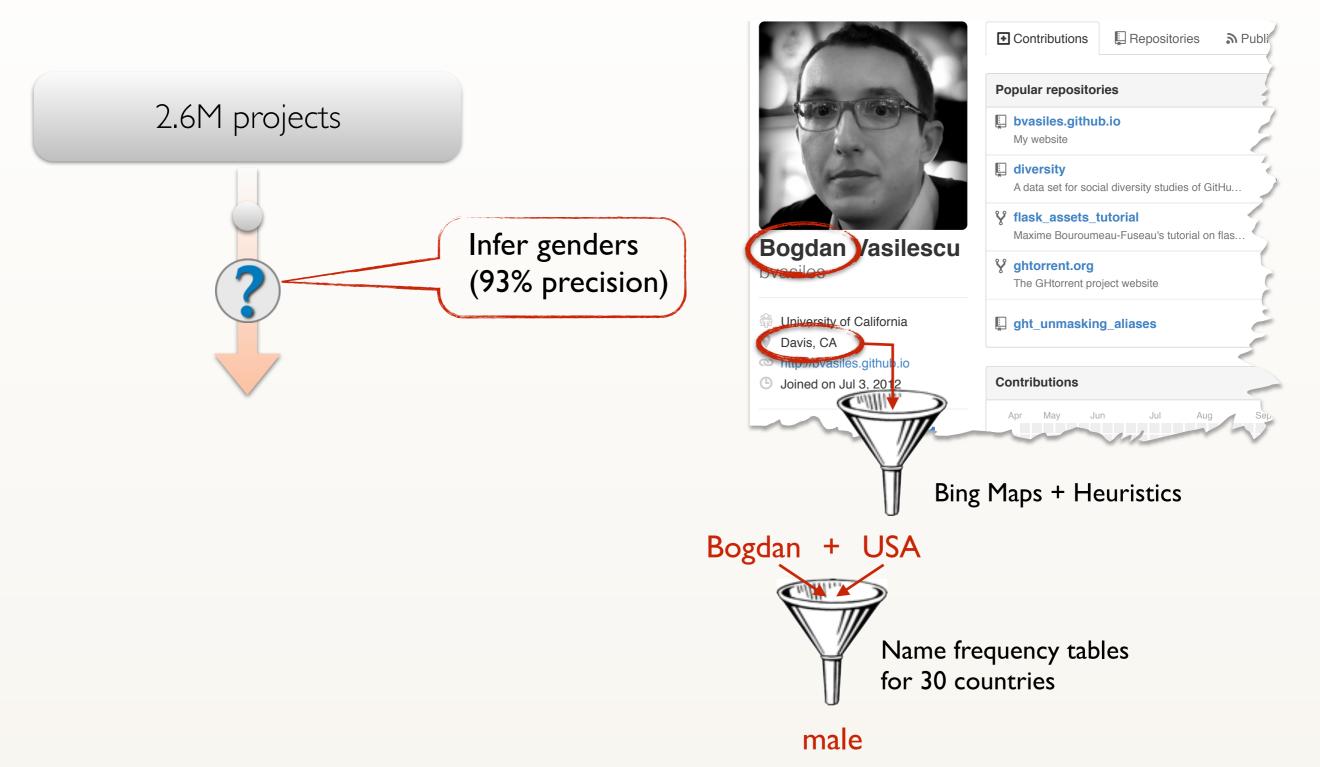
This survey is aimed at developing a better understanding of t national origin in distributed software engineering teams.

Your participation is voluntary and confidential. If you agree to





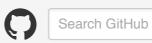




http://github.com/tue-mdse/genderComputer http://github.com/tue-mdse/countryNameManager • Gender, representation and online participation: A quantitative study. Vasilescu, B., Capiluppi, A., and Serebrenik, A. *Interacting with Computers 2014*

2.6M projects







Andrea Reginato andreareginato

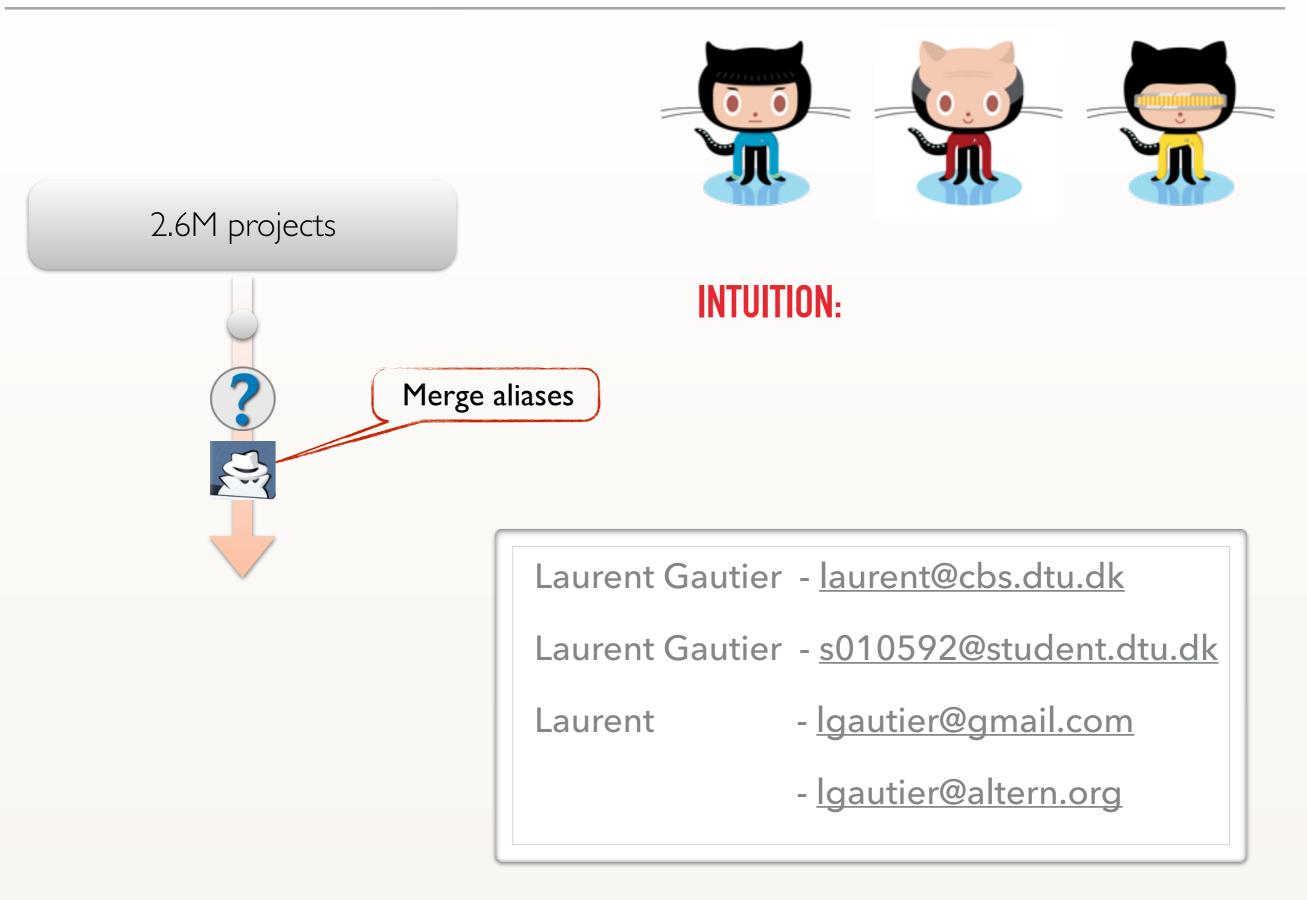
| | Search GitHub |
|--|---------------|
| | C |

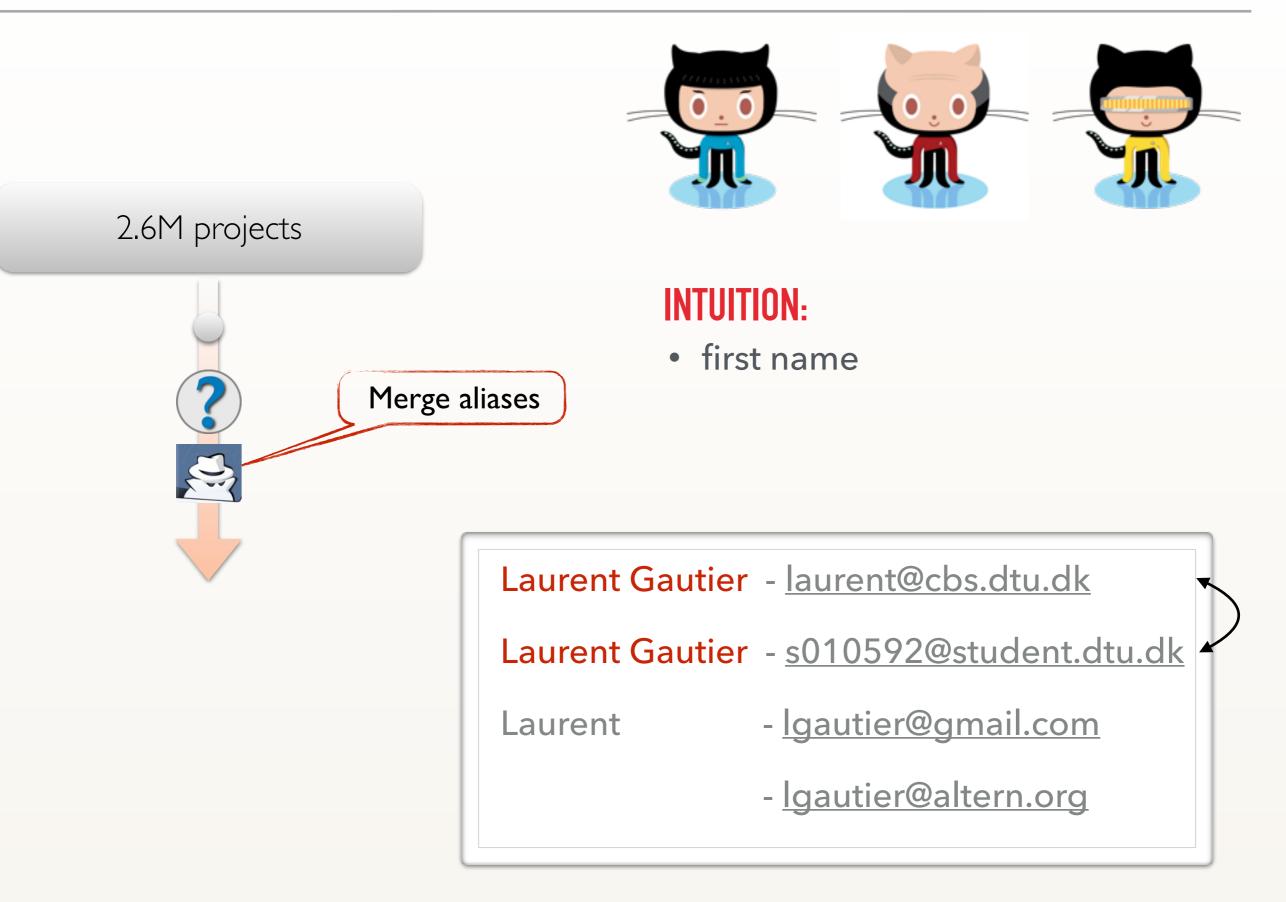


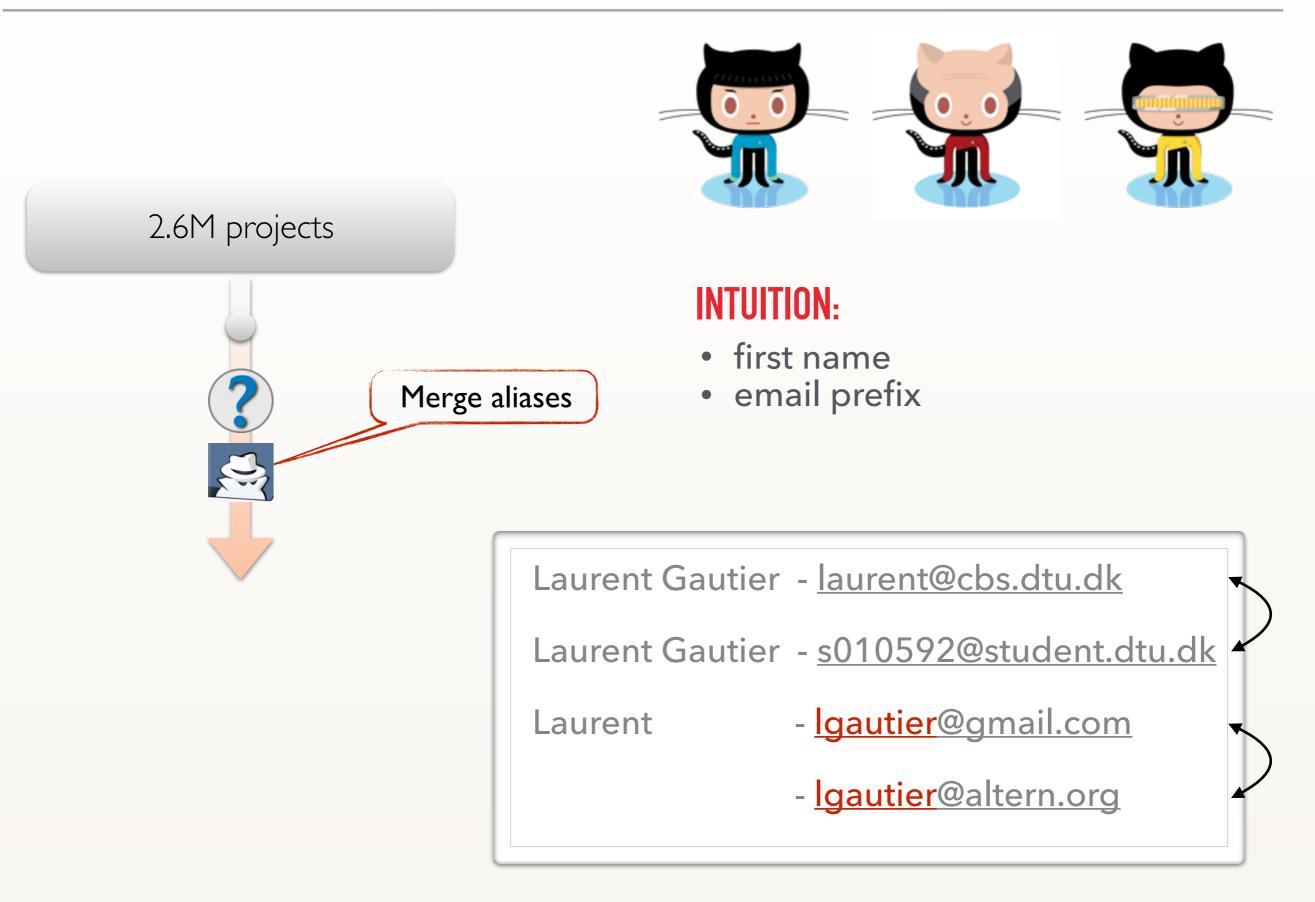
```
Andrea Hidalgo
andreah90
```

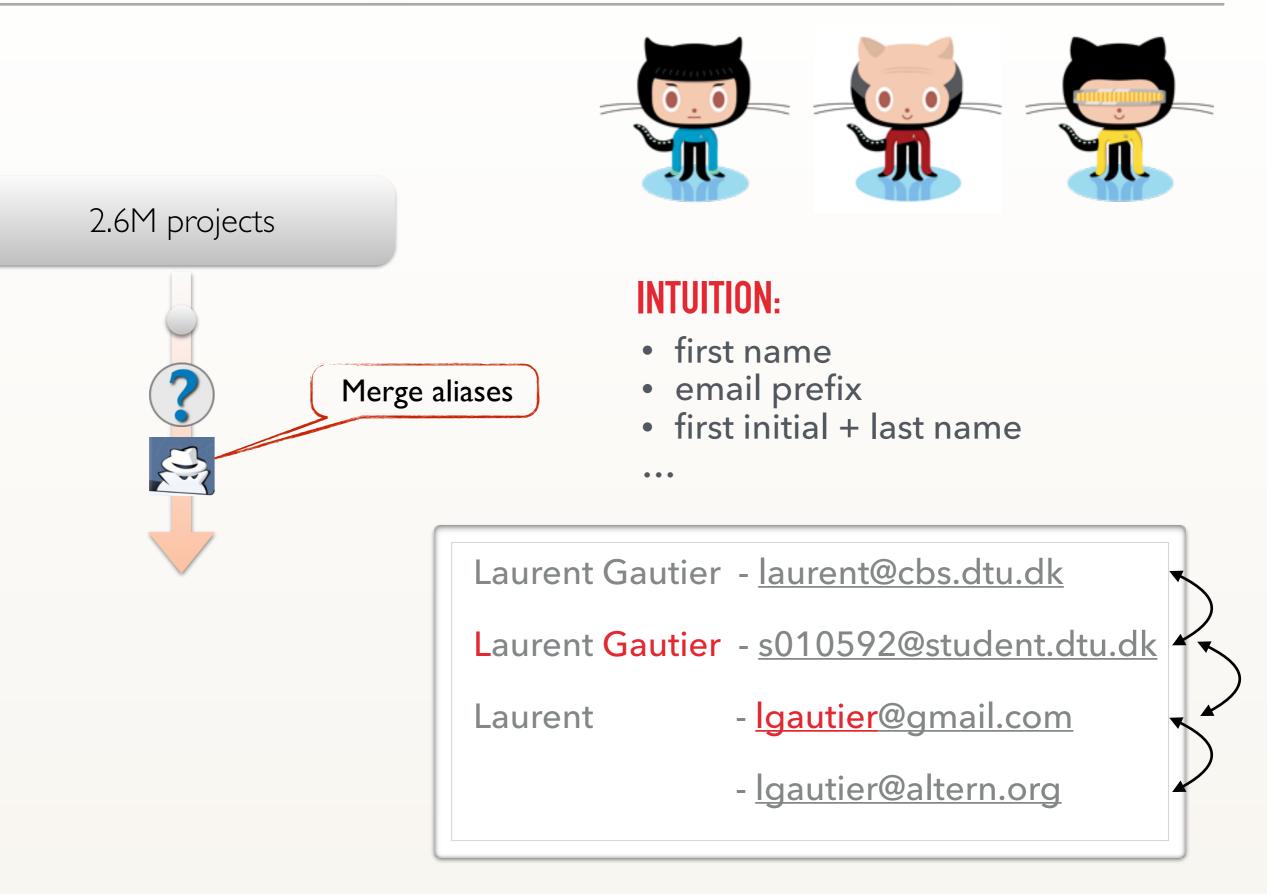
| Lelylan Milan | Columbus, OH |
|------------------|--------------|
| Italy | USA |

Location matters!









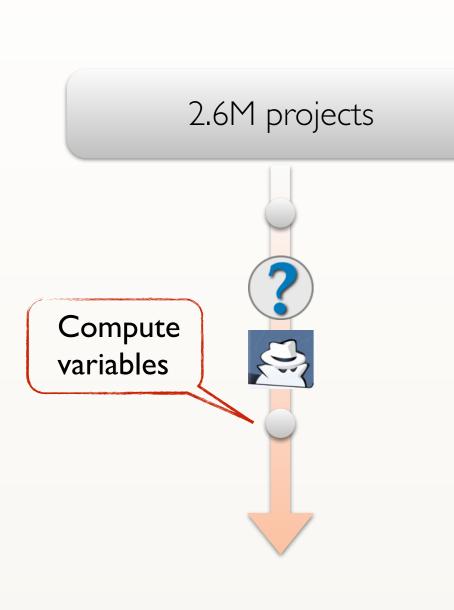
Response

Productivity (#commits/quarter)



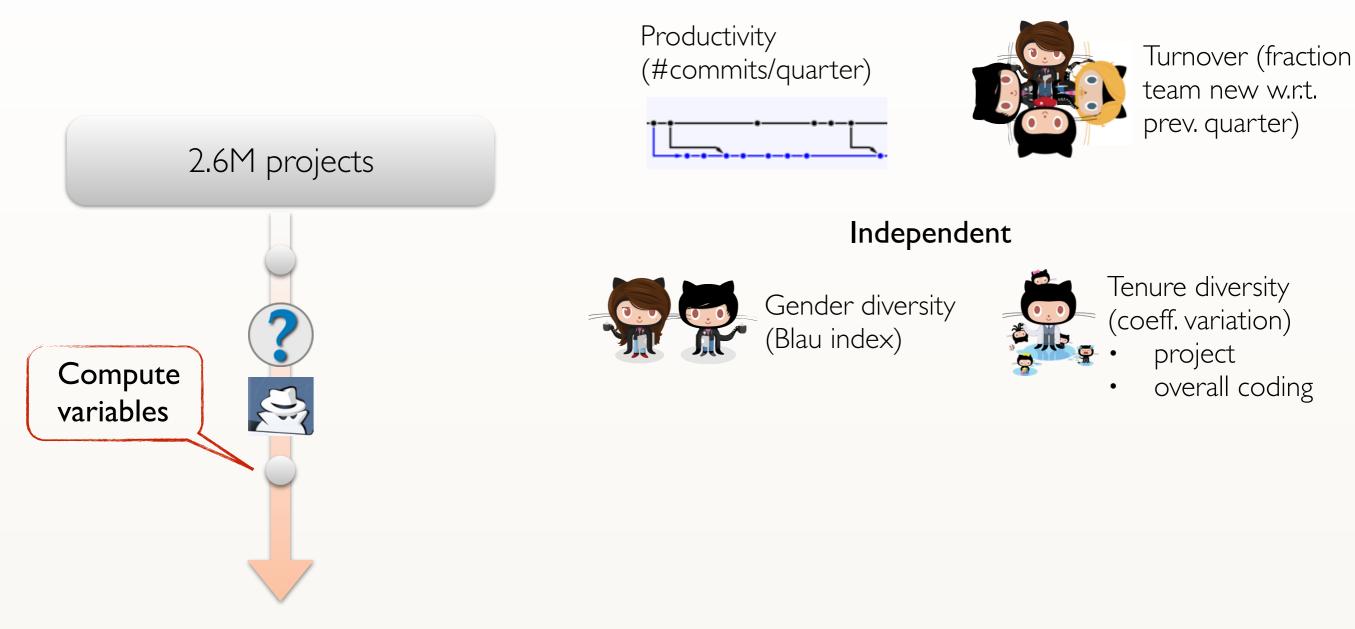


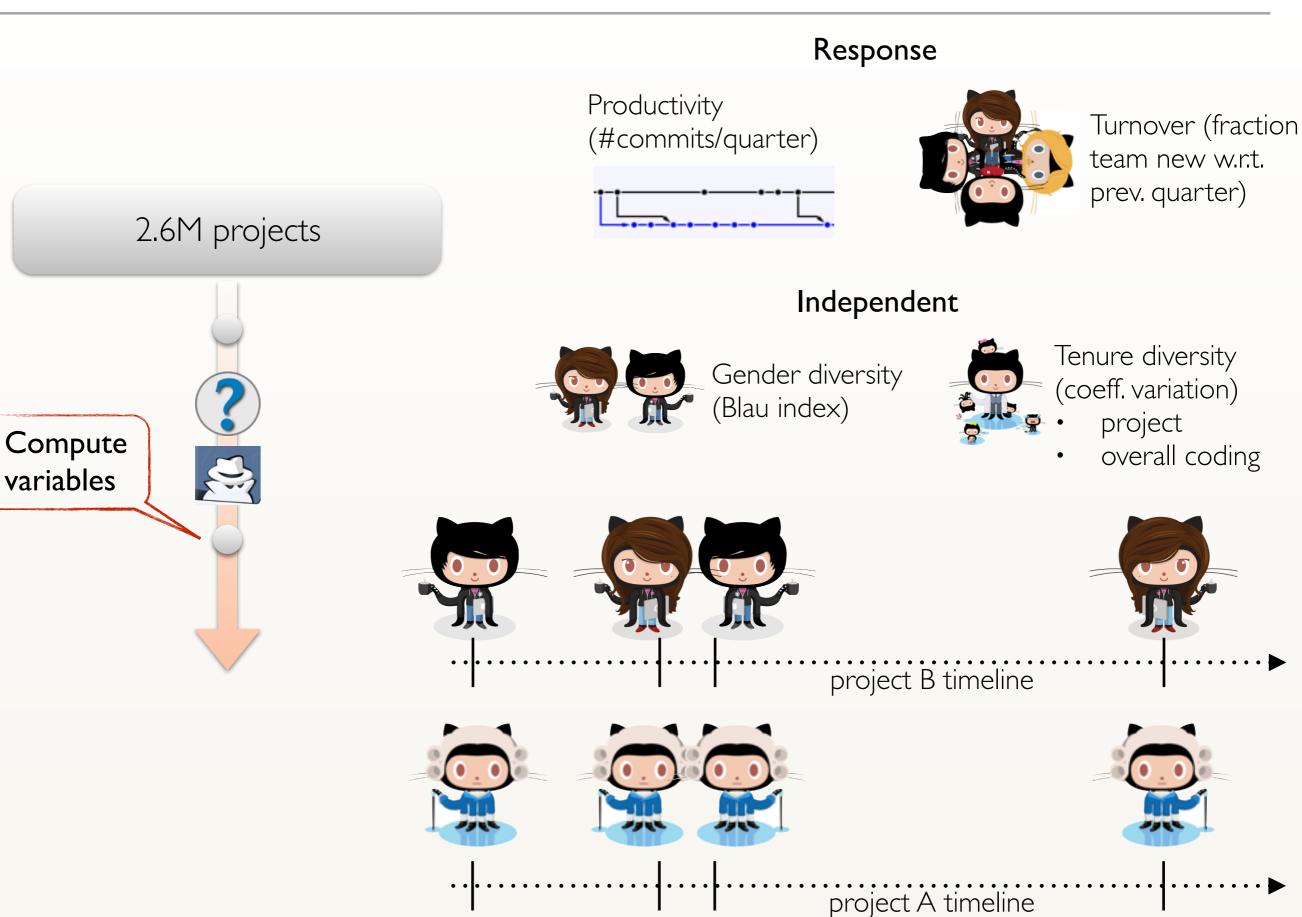
Turnover (fraction team new w.r.t. prev. quarter)



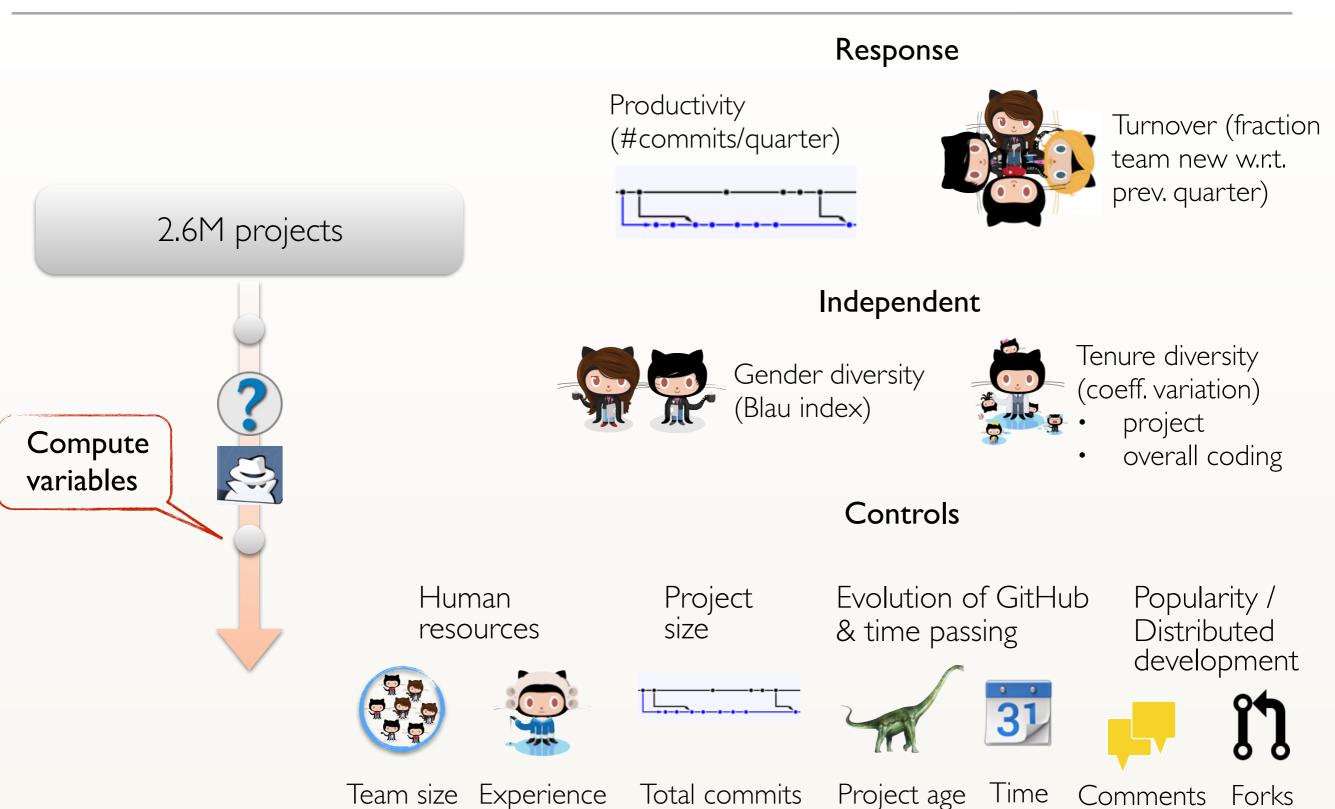
MINING GITHUB

Response





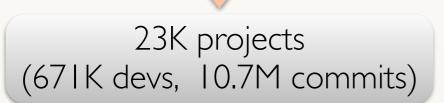
MINING GITHUB



MINING GITHUB



2.6M projects



S

| bvasiles / divers | sity | | ③ Unwatch ▼ |
|----------------------------|-------------------------------|--------------|----------------------------|
| data set for social dive | rsity studies of GitHub teams | — Edit | |
| 4 commits | 🕑 1 branch | 𝔅 0 releases | 髓 1 contributor |
| 🕅 🖗 branch: master 🗸 | diversity / + | | = |
| Jpdated to match camera-re | ady | | |
| bvasiles authored 21 days | ago | | latest commit a1d6263472 🛃 |
| | Initial commit | | 2 months ago |
| README.md | Updated readme | | 2 months ago |
| diversity_data.csv | Updated to match came | | 21 days ago |

I README.md

diversity

A data set for social diversity studies of GitHub teams

The data is presented in CSV format and can be directly imported in R. It contains a number of standard measures of (GitHub) activity, including **number of committers**, **team size** (committers, pull request submitters, commenters, etc.), **number of commits** (the most encompassing form of coding contribution to a GitHub project and a representative facet of developer productivity in open source), **number of comments** (on commits, pull requests, and issues; a measure of the project's social activity), **number of issues opened**, **number of forks**, and **number of watchers**.

Then, for each quarter (at least 4 quarters of data per project, by construction), we compute the **project age** (in quarters), the **number of female and male contributors**, the **genders** and **countries**

[Vasilescu et al, MSR'15]

- <u>http://bvasiles.github.io/papers/msr_datal5.pdf</u>
- <u>https://github.com/bvasiles/diversity</u>

productivity ~ #team + #forks + ... + prj_age + gender_diversity + tenure_diversity

productivity ~ #team + #forks + ... + prj_age + gender_diversity + tenure_diversity

| Project | Created on | Project age | Total #commits | | Time | #Commits | #Comments | Team size | Gender diversity | Commit tenure diversity | Turnover |
|---------|------------|----------------|-------------------|-----|------|----------|-----------|--------------|---------------------|-------------------------------|----------|
| А | 2011-02-15 | 12 | 557 | 51 | Q2 | 47 | 26 | 9 | 0.25 | 0.47 | 0.67 |
| | | | | | Q5 | 19 | 12 | 10 | 0.00 | 0.93 | 0.75 |
| | | | | | Q6 | 7 | 13 | 12 | 0.25 | 0.54 | 0.67 |
| | | | | | Q7 | 56 | 53 | 20 | 0.00 | 0.56 | 0.87 |
| | | | | | | | | | | | |
| В | 2010-09-21 | | 2075 | 578 | Q4 | 71 | 169 | 83 | 0.03 | 0.66 | 0.87 |
| | | | | | Q5 | 116 | 219 | 93 | 0.05 | 0.73 | 0.56 |
| | | | | | Q6 | 186 | 367 | 119 | 0.06 | 0.80 | 0.86 |
| | | | | | Q7 | 129 | 453 | 4 | 0.08 | 0.85 | 0.82 |
| | | | | | | | | | | | |

productivity ~ #team + #forks + ... + prj_age + gender_diversity + tenure_diversity + (1 | prj_id)

| Project | Created on | Project age | Total #commits | #Forks | Time | #Commits | #Comments | Team size | Gender diversity | Commit tenure diversity | Turnover |
|---------|------------|----------------|-------------------|--------|------|----------|-----------|--------------|---------------------|-------------------------------|----------|
| A | 2011-02-15 | 12 | 557 | 51 | Q2 | 47 | 26 | 9 | 0.25 | 0.47 | 0.67 |
| | | | | | Q5 | 19 | 12 | 10 | 0.00 | 0.93 | 0.75 |
| | | | | | Q6 | 7 | 13 | 12 | 0.25 | 0.54 | 0.67 |
| | | | | | Q7 | 56 | 53 | 20 | 0.00 | 0.56 | 0.87 |
| | | | | | | | | | | | |
| В | 2010-09-21 | | 2075 | 578 | Q4 | 71 | 169 | 83 | 0.03 | 0.66 | 0.87 |
| | | | | | Q5 | 116 | 219 | 93 | 0.05 | 0.73 | 0.56 |
| | | | | | Q6 | 186 | 367 | 119 | 0.06 | 0.80 | 0.86 |
| | | | | | Q7 | 129 | 453 | 4 | 0.08 | 0.85 | 0.82 |
| | | | | | | | | | | | |

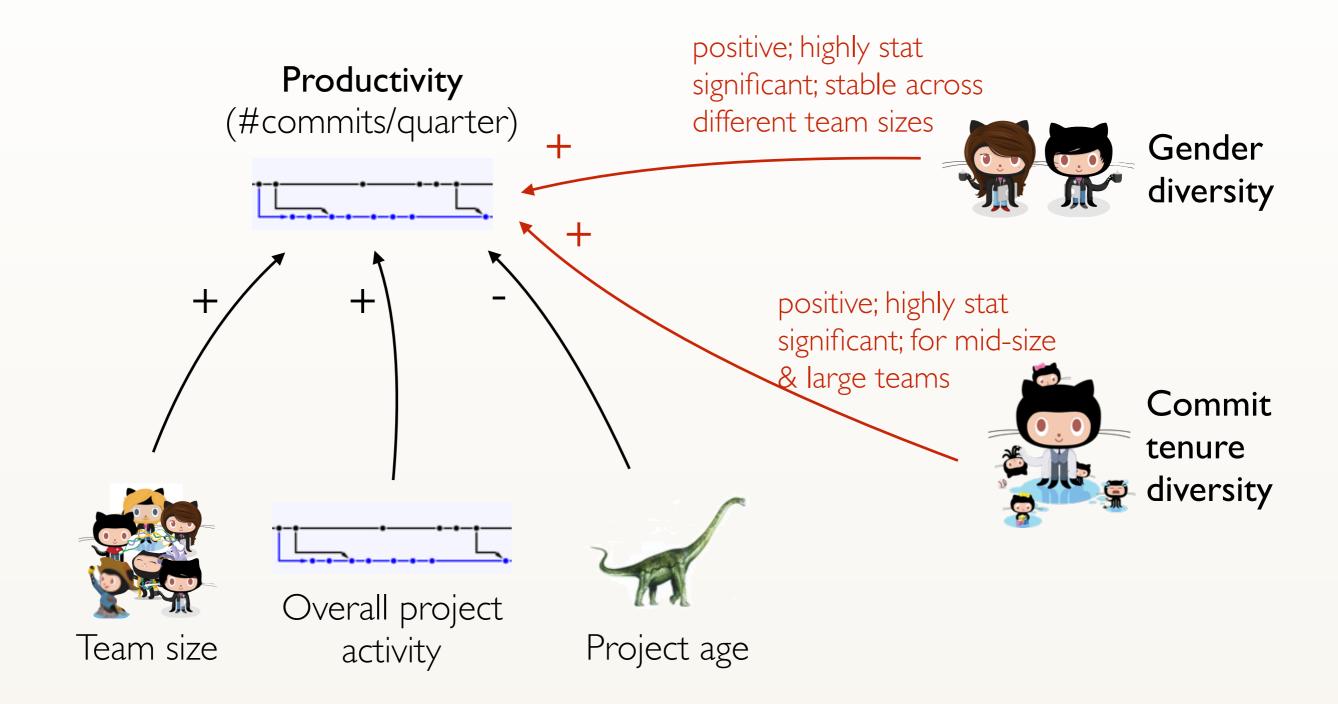
productivity ~ #team + #forks + ... + prj_age + gender_diversity + tenure_diversity + (1 | prj_id) + (1 | qtr_id)

| Project | Created on | Project age | Total #commits | #Forks | Time | #Commits | #Comments | Team size | Gender diversity | Commit tenure diversity | Turnover |
|---------|------------|----------------|-------------------|--------|------|----------|-----------|--------------|---------------------|-------------------------------|----------|
| А | 2011-02-15 | 12 | 557 | 51 | Q2 | 47 | 26 | 9 | 0.25 | 0.47 | 0.67 |
| | | | | | Q5 | 19 | 12 | 10 | 0.00 | 0.93 | 0.75 |
| | | | | | Q6 | 7 | 13 | 12 | 0.25 | 0.54 | 0.67 |
| | | | | | Q7 | 56 | 53 | 20 | 0.00 | 0.56 | 0.87 |
| | | | | | | | | | | | |
| В | 2010-09-21 | | 2075 | 578 | Q4 | 71 | 169 | 83 | 0.03 | 0.66 | 0.87 |
| | | | | | Q5 | 116 | 219 | 93 | 0.05 | 0.73 | 0.56 |
| | | | | | Q6 | 186 | 367 | 119 | 0.06 | 0.80 | 0.86 |
| | | | | | Q7 | 129 | 453 | 4 | 0.08 | 0.85 | 0.82 |
| | | | | | | | | | | | |

productivity ~ #team + #forks + ... + prj_age + gender_diversity + tenure_diversity + (1 + #team | prj_id) + (1 | qtr_id)

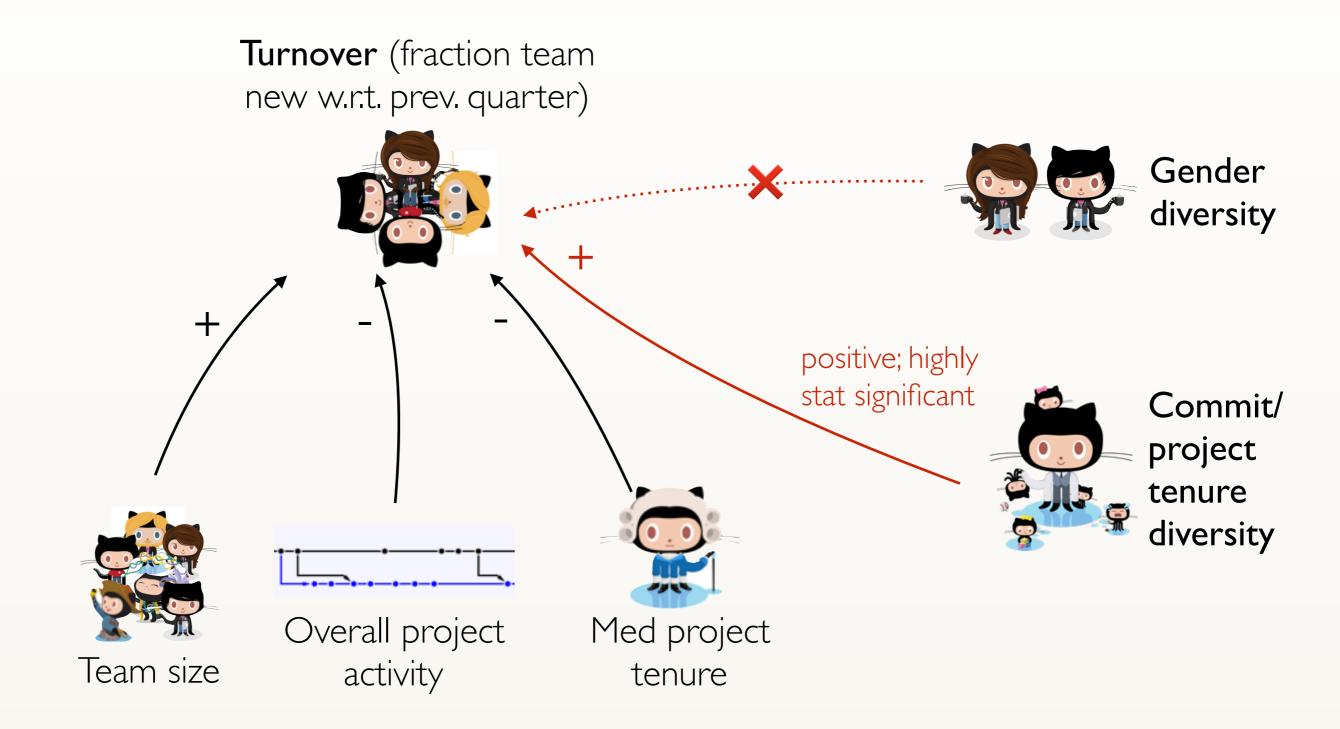
| Project | Created on | Project age | Total #commits | #Forks | Time | #Commits | #Comments | Team size | Gender diversity | Commit tenure diversity | Turnover |
|---------|------------|----------------|-------------------|--------|------|----------|-----------|--------------|---------------------|-------------------------------|----------|
| A | 2011-02-15 | 12 | 557 | 51 | Q2 | 47 | 26 | 9 | 0.25 | 0.47 | 0.67 |
| | | | | | Q5 | 19 | 12 | 10 | 0.00 | 0.93 | 0.75 |
| | | | | | Q6 | 7 | 13 | 12 | 0.25 | 0.54 | 0.67 |
| | | | | | Q7 | 56 | 53 | 20 | 0.00 | 0.56 | 0.87 |
| | | | | | | | | | | | |
| В | 2010-09-21 | | 2075 | 578 | Q4 | 71 | 169 | 83 | 0.03 | 0.66 | 0.87 |
| | | | | | Q5 | 116 | 219 | 93 | 0.05 | 0.73 | 0.56 |
| | | | | | Q6 | 186 | 367 | 119 | 0.06 | 0.80 | 0.86 |
| | | | | | Q7 | 129 | 453 | 114 | 0.08 | 0.85 | 0.82 |
| | | | | | | | | | | | |

INCREASED DIVERSITY CORRELATES TO HIGHER PRODUCTIVITY



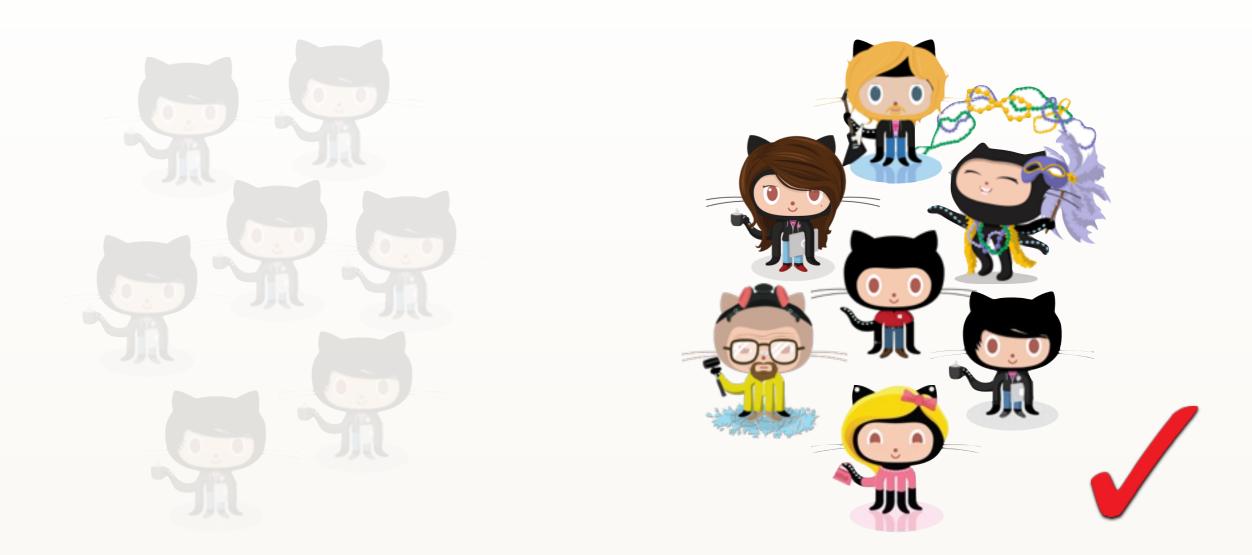
But small effects!

NO EFFECT OF GENDER DIVERSITY ON TURNOVER

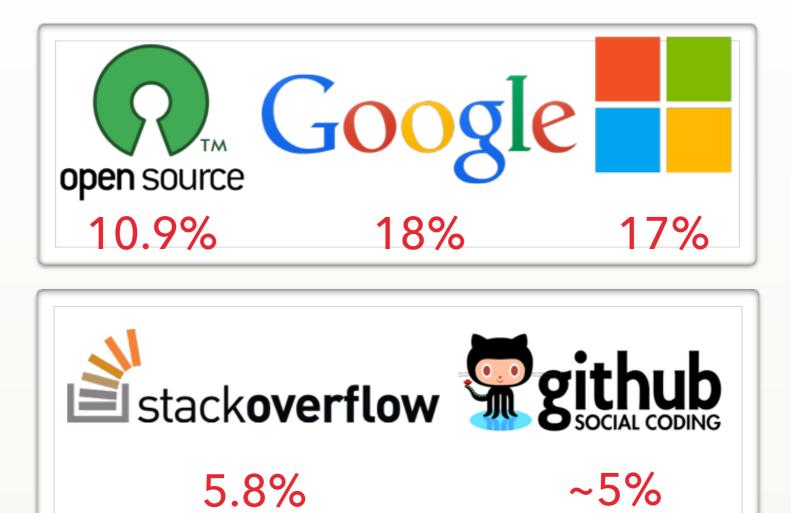


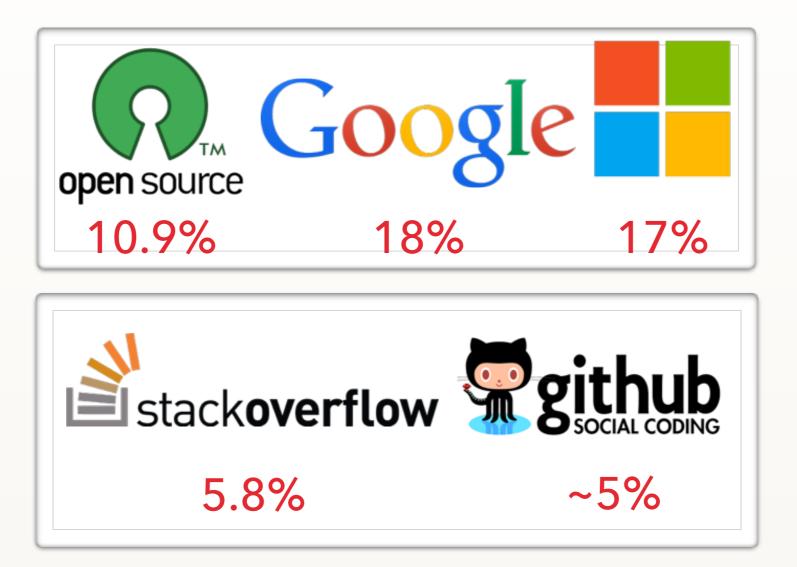
But small effects!

Which is more effective?



Other confounds held fixed, higher team diversity (gender & tenure) is associated with increased code production,





Community culture + Platform design

GENDER BIASES

SURVEY: SALIENCE OF DEMOGRAPHICS



Which of the following characteristics of your team members are you aware of?



... for (none other / few other / most other) team members

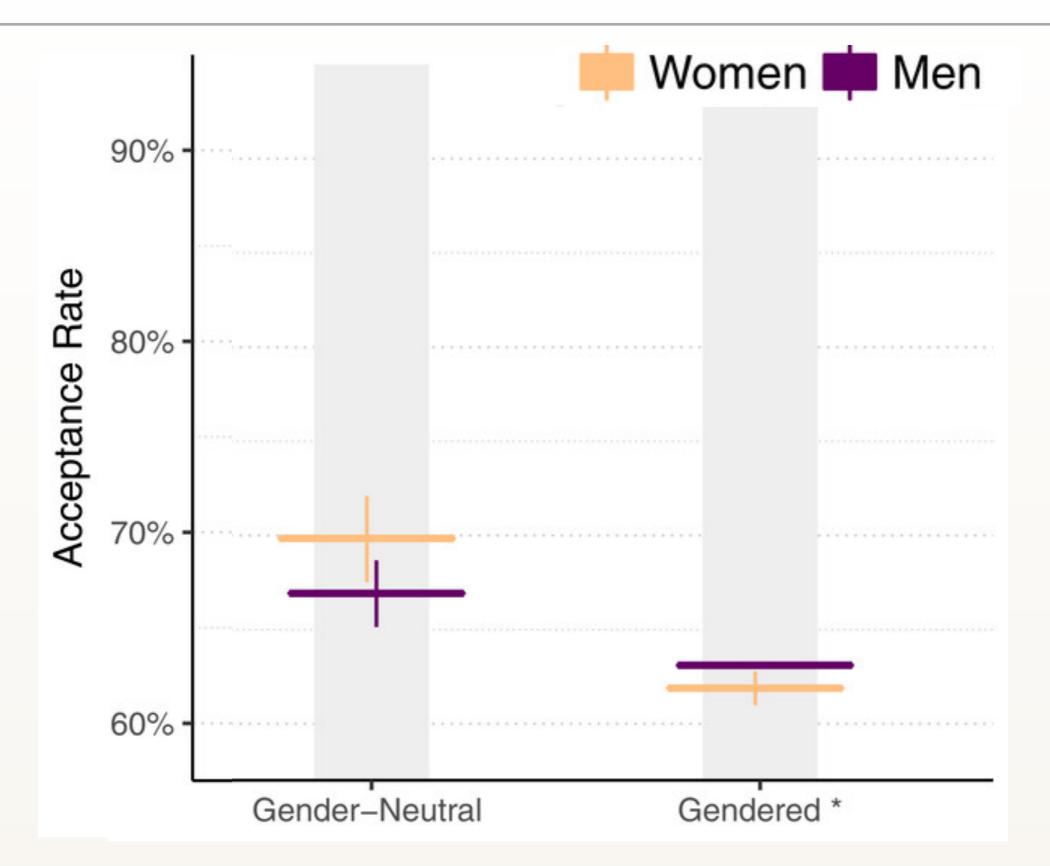


<---> Demographics not salient is OSS [Riordan & Shore]

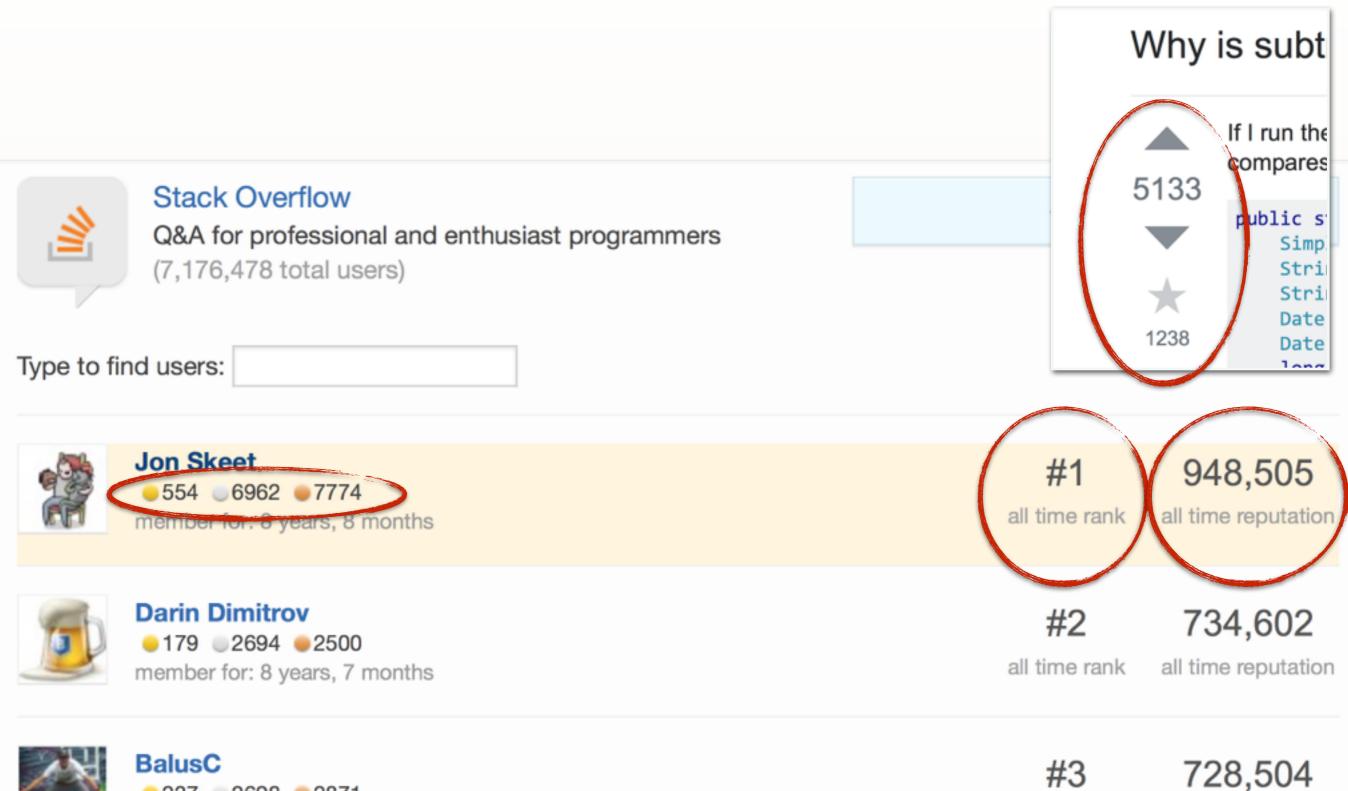
| Programming skills | 74% |
|--|-----|
| Gender | 48% |
| Real name | 45% |
| Social skills | 42% |
| Country of residence | 40% |
| Personality | 39% |
| Reputation as programmer | 31% |
| Ethnicity | 30% |
| Employment | 30% |
| GitHub experience | 28% |
| Educational level | 26% |
| • Age | 23% |
| Hobbies | 11% |
| Political views | 4% |

Developers are aware of each other's gender

GENDER BIASES – PULL REQUEST ACCEPTANCE



Terrell J, Kofink A, Middleton J, Rainear C, Murphy-Hill E, Parnin C, Stallings J. (2017) Gender differences and bias in open source: pull request acceptance of women versus men. *PeerJ Computer Science* 3:e111



237 2698 2871
member for: 7 years, 9 months

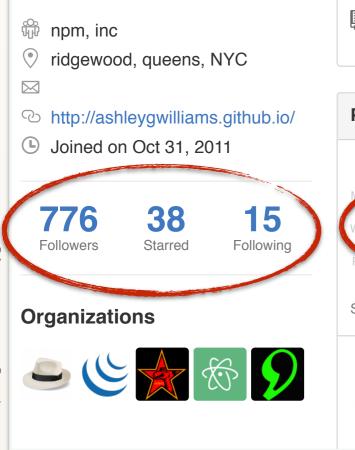
all time rank

all time reputation

GAMIFICATION – GITHUB



ashleygwilliams



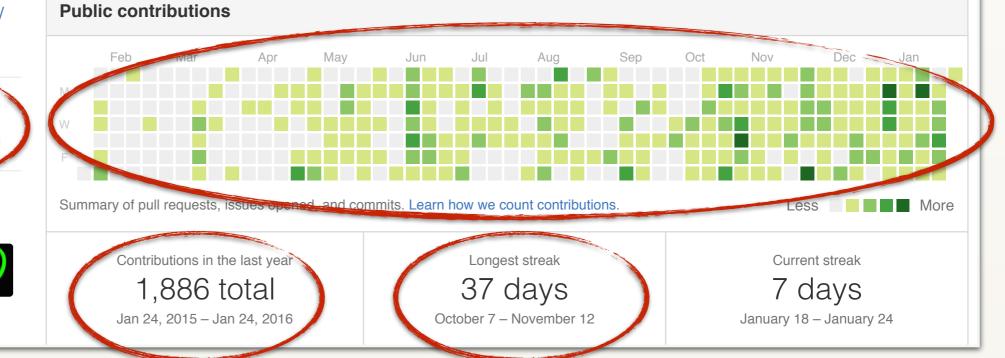
| Popular repositories | \bigcap |
|---|-----------|
| breakfast-repo a collection of videos, recordings, and podcast | 208 ★ |
| x86-kernel a simple x86 kernel, extended with Rust | 48 ★ |
| ashleygwilliams.github.io hi, i'm ashley. nice to meet you. | 37 ★ |
| jsconf-2015-deck deck for jsconf2015 talk, "if you wish to learn e | 32 ★ |
| sinatra boilerplate using activerecord, sqlite, a | 32 ★ |

Repositories

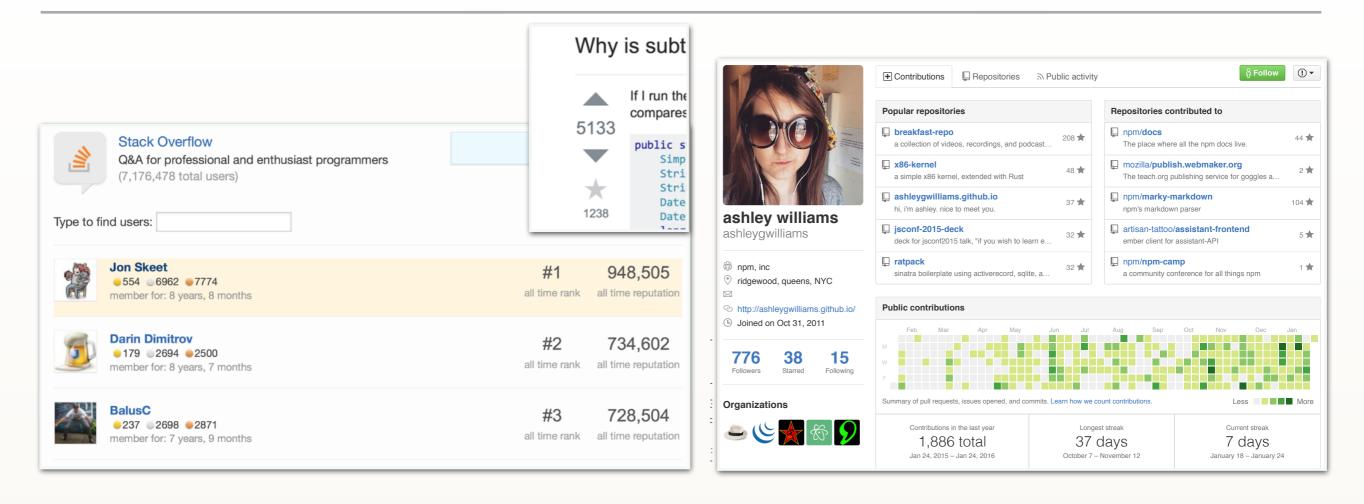
Contributions

| Repositories contributed to | |
|---|-------|
| npm/docs The place where all the npm docs live. | 44 ★ |
| mozilla/publish.webmaker.org The teach.org publishing service for goggles a | 2 ★ |
| npm/marky-markdown npm's markdown parser | 104 ★ |
| artisan-tattoo/assistant-frontend ember client for assistant-API | 5 ★ |
| npm/npm-camp a community conference for all things npm | 1 ★ |
| | |

ល្ហិ Follow



INCLUSIVENESS – GAMIFICATION?



Women disengage quicker.

Gender, representation and online participation: A quantitative study. Vasilescu, B., Capiluppi, A., and Serebrenik, A. *Interacting with Computers 2014*

Women shy away from competition and men embrace it.

Muriel Niederle and Lise Vesterlund. **Do women shy away from competition? Do men compete too much?** The Quarterly Journal of Economics, 122(3):1067–1101, 2007.

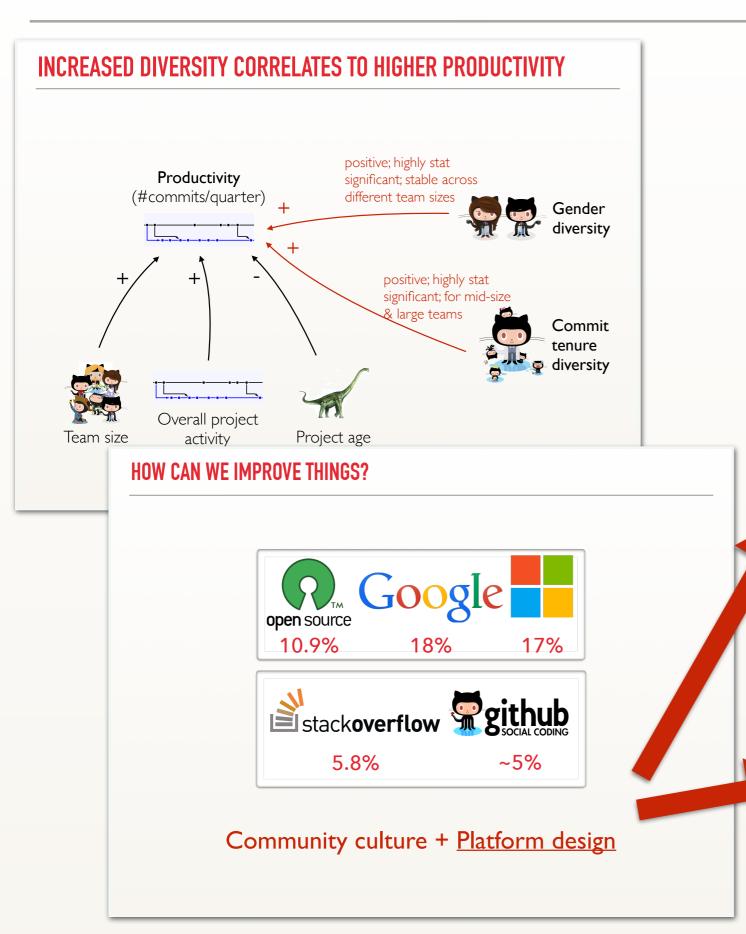
ACKNOWLEDGEMENTS

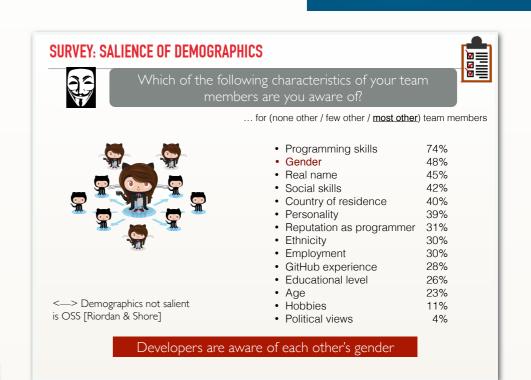


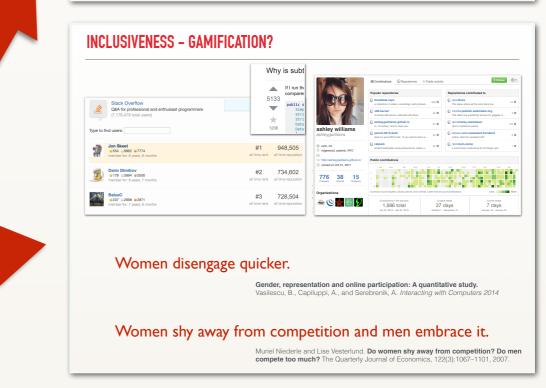
- Baishakhi Ray
- Alexander Serebrenik
- Vladimir Filkov
- Prem Devanbu
- Daryl Posnett
- Mark van den Brand



GENDER DIVERSITY IN ONLINE SOFTWARE TEAMS







#Istand withCEU #aCEUval Vagyok