WHO GETS A PATCH ACCEPTED FIRST?
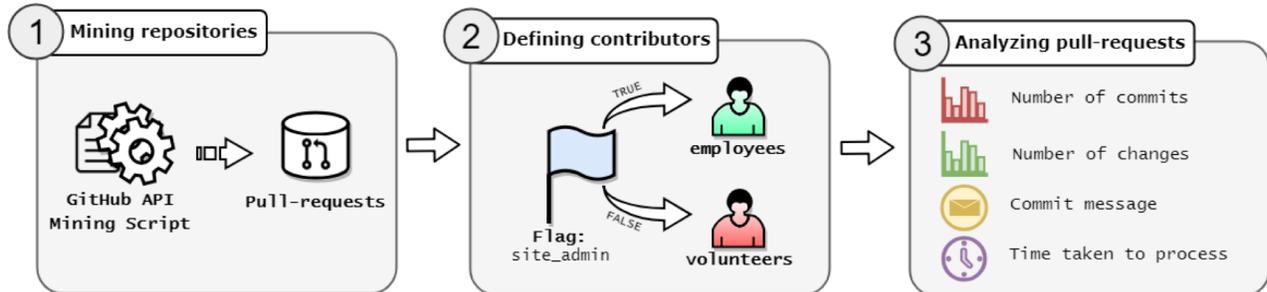## COMPARING THE CONTRIBUTIONS
OF EMPLOYEES AND VOLUNTEERS

IN THE LAST YEARS...
- ✓ Companies started to release and support open source software.
- ✓ Contributors in OSS turned into a mix of employees and volunteers.

GOAL:
- Study a set of characteristics related to contributions submitted by employees and volunteers in order to identify how they differ.

RESULTS

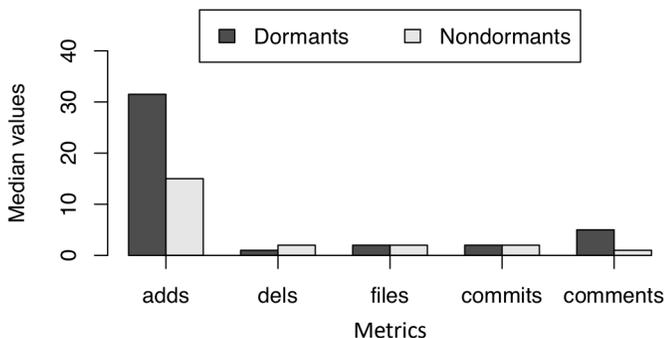**RQ1:** Do volunteers have to try more than employees to have a patch accepted?

- Volunteers face 26× more rejections than employees.

Average of patches rejected and accepted per contributor:

Employees:	Volunteers:
Rejected:	Rejected:
5.78	**1.42**
Accepted:	Accepted:
39	**2.3**

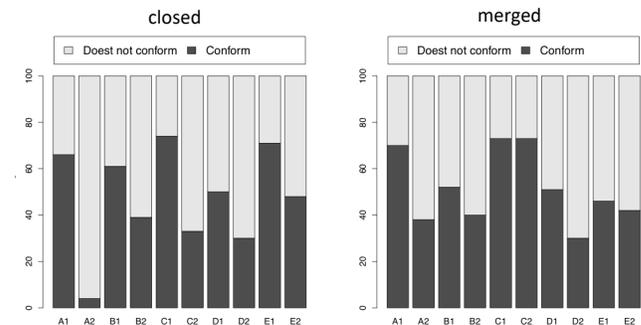**RQ2:** Do volunteers have to wait much more than employees to have a patch processed?

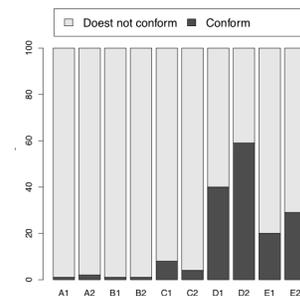- Volunteers have to wait, on average, 11 days to have a patch processed.

RQ3: Do volunteers follow contributing best pratices?

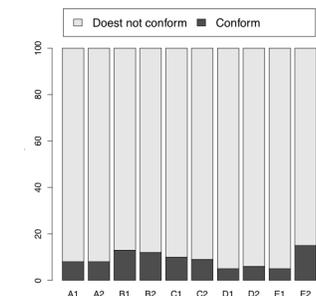- Best pratices are not systematically followed by volunteers.
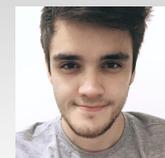
BP1: Contribution should be small

BP2: The contribution should be accompanied with tests

BP3: The commit message should be descriptive

Gustavo Pinto
gpinto@ufpa.br

Luiz Felipe Dias
fronchetti@usp.br

Igor Steinmacher
igorfs@utfpr.edu.br

IME-USP · UNIVERSIDADE FEDERAL DO PARÁ · UTFPR UNIVERSIDADE TECNOLÓGICA FEDERAL DO PARANÁ · NORTHERN ARIZONA UNIVERSITY