

IDENTIFYING RESEARCH SOFTWARE DEVELOPER PERSONAS COULD CREATE BETTER RS DEVELOPERS. ARE *YOU* AN RS-10X?

Identifying Distinct Developer/Repository Interaction Types by Mining GitHub Data

Mining GitHub repositories **assignment data** and **commit contributions** to identify ‘super-star’ developers...

Issue Tickets / Pull Requests in 10 larger RS repositories

Only ~**20%** of all developers in larger RS repositories are assigned **BOTH** feature types. But their commit averages are ***much higher***...

Foundations of a RS-10x developer persona?

Find out at my poster!

Future work **expanding developer properties**:

- opener/closer behaviours?
- which files touched in commits?

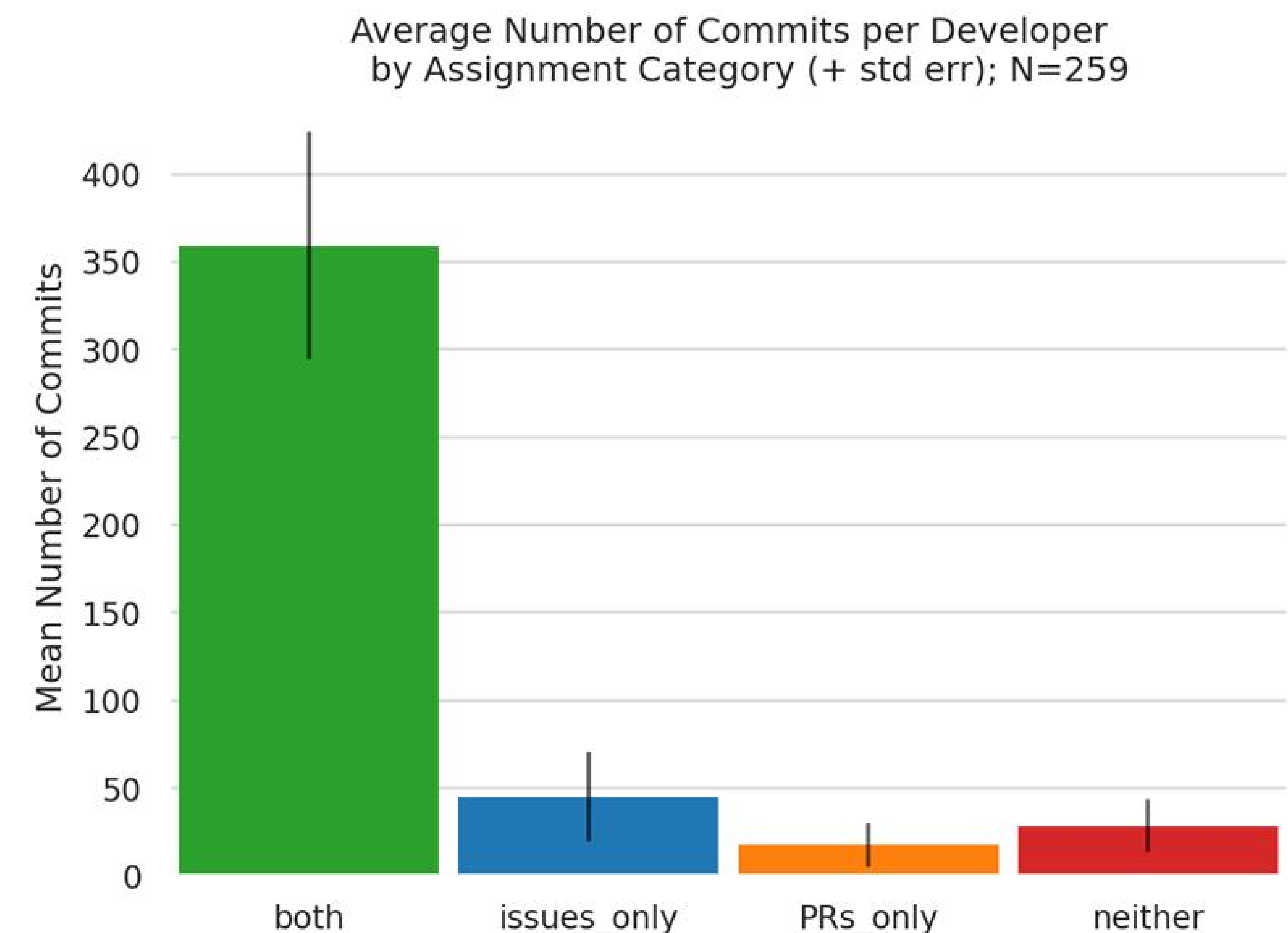


Fig. 1: Exploring developer impact using item assignment and contributions data in 10 RS repositories

Personas may explain developer influences on:

- software quality metrics
- project team composition
- effectiveness of resulting RS