

IDENTIFYING DEVELOPER PERSONAS COULD CREATE BETTER RESEARCH SOFTWARE (RS) DEVELOPMENT.

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?

What are the **drawbacks** to using these metrics?
How will I get around them? *Find out at my poster!*

Future work **expanding developer properties**

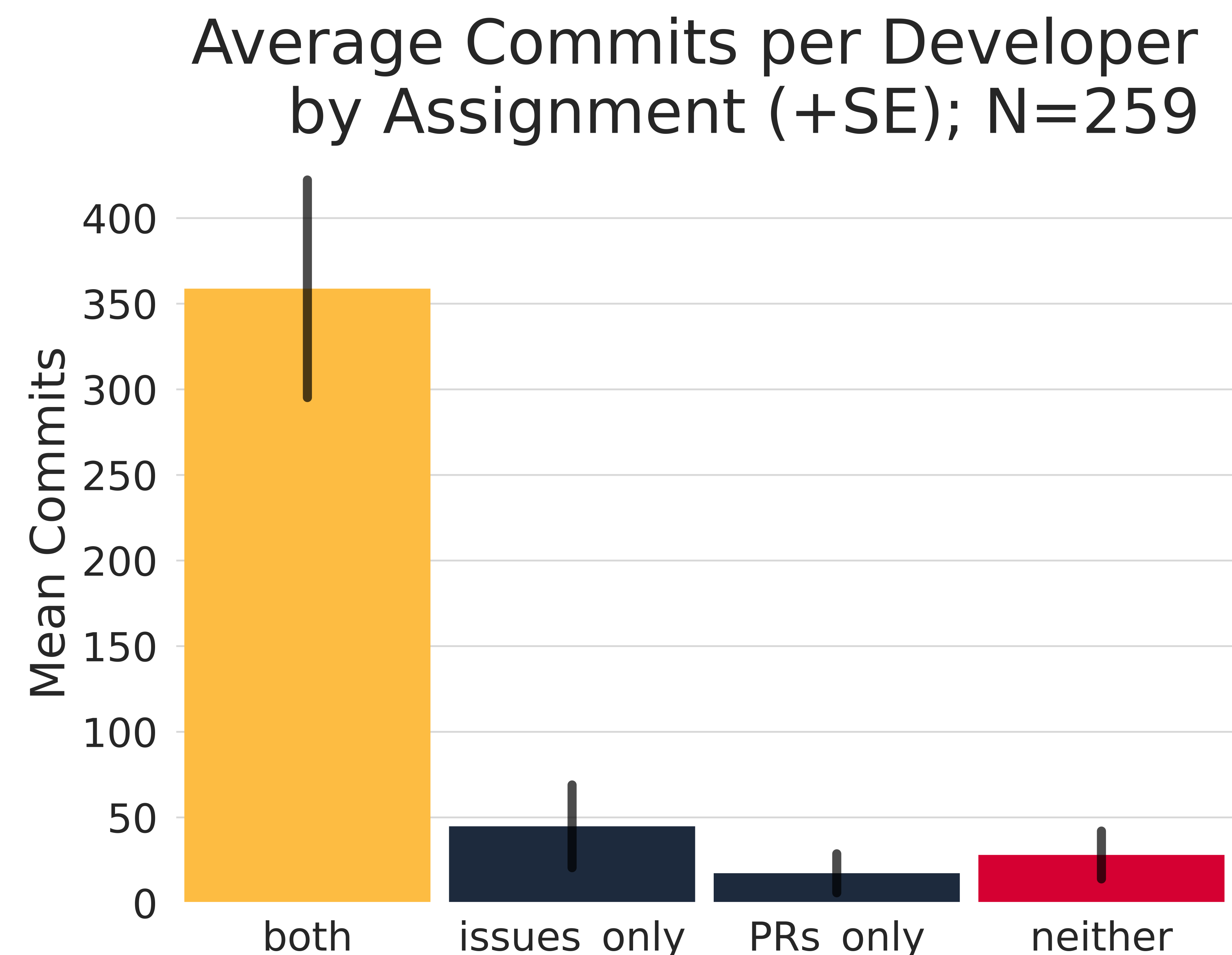


Fig. 1: Exploring developer impact using item assignment and contributions data in 10 RS repositories

Want to use personas to **predict effectiveness** of resulting Research Software