# The Effect of Team Gender Homophily on Female Developers' Career

ORSOLYA VÁSÁRHELYI

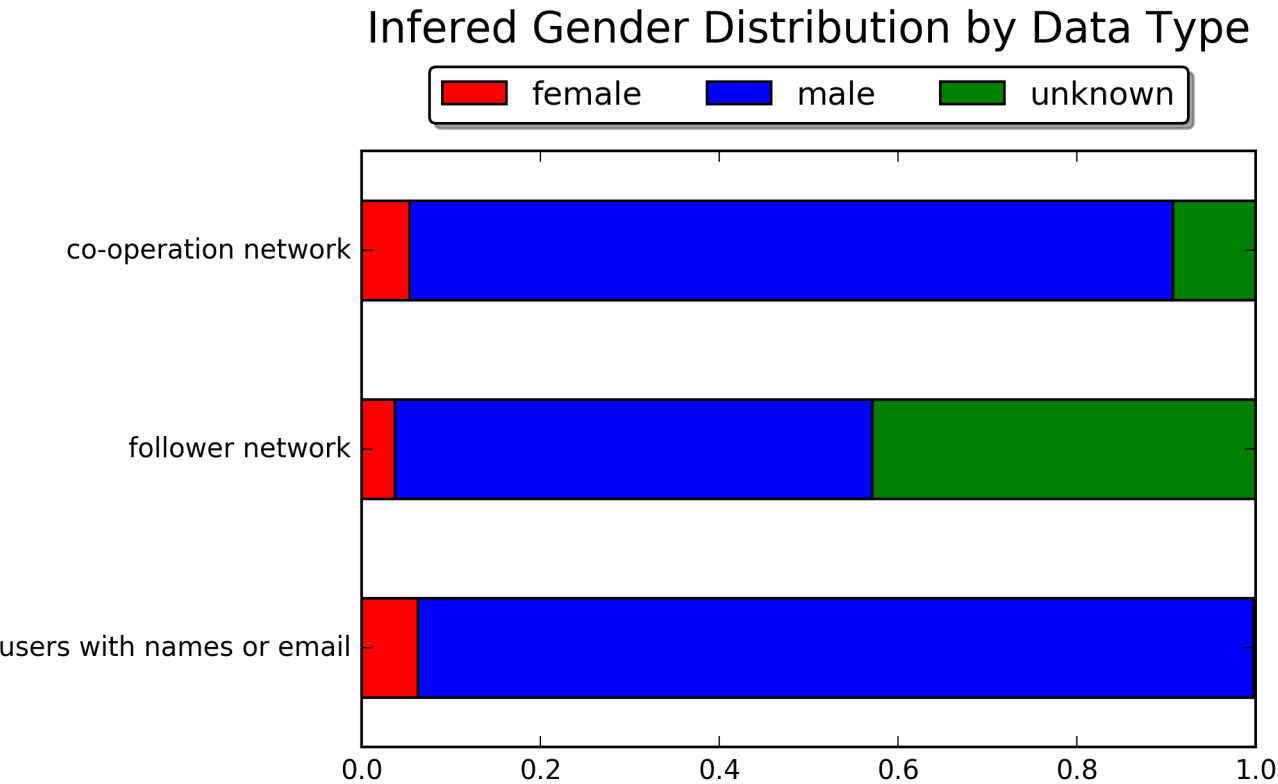CEU CENTRAL EUROPEAN UNIVERSITY

CENTER FOR NETWORK SCIENCE

# DATABASE

Data Source: Github Archive
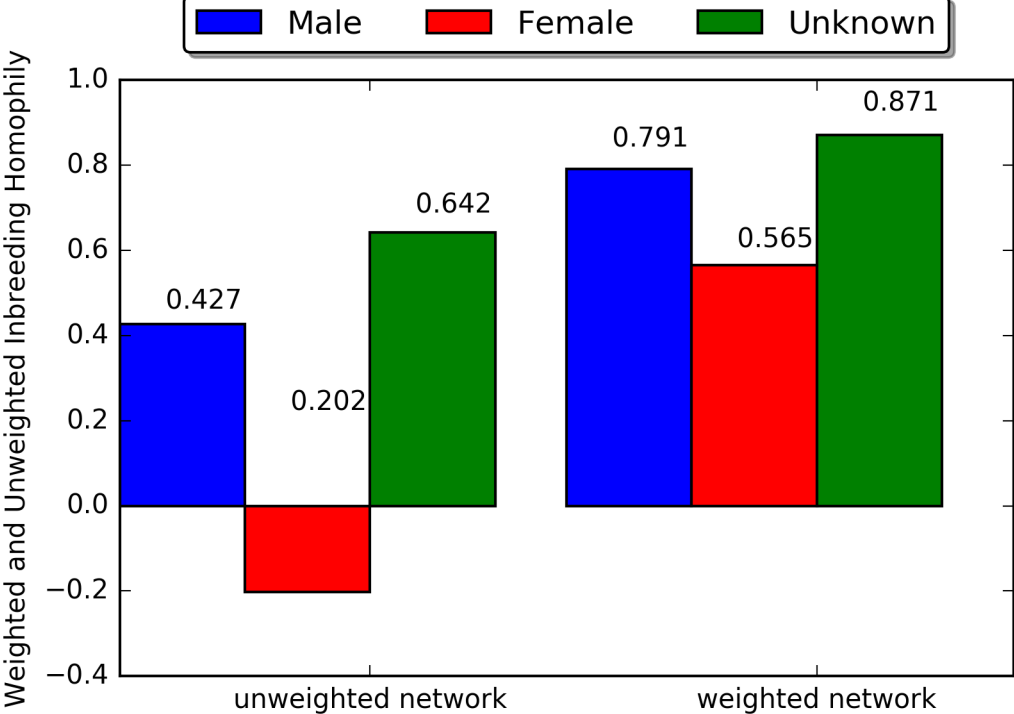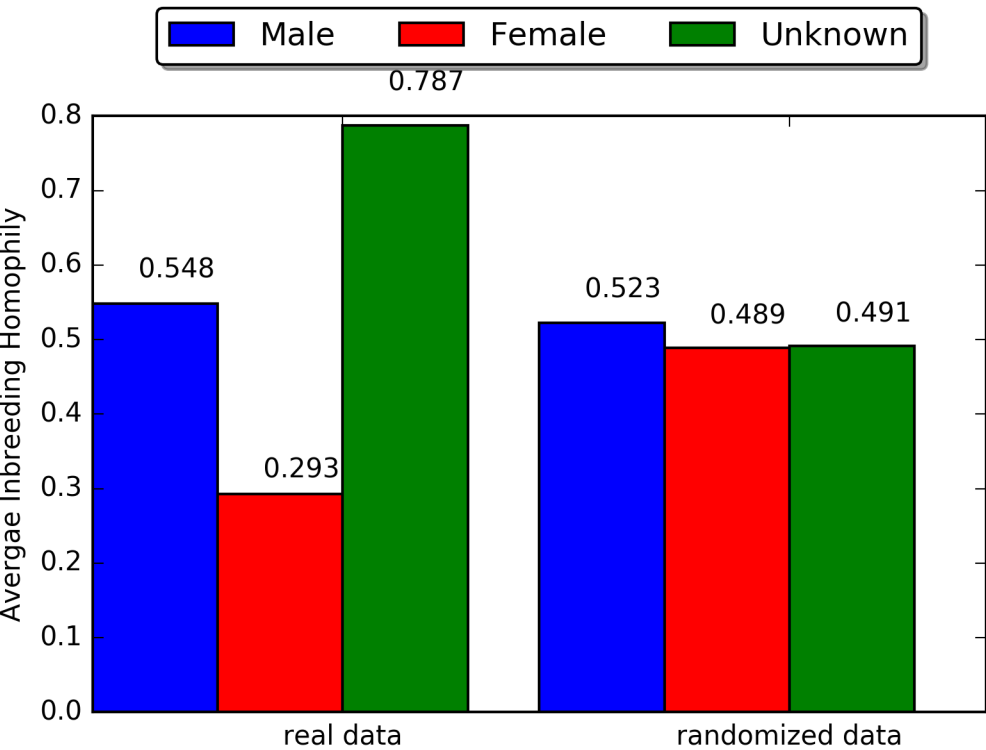Analyzed Year:  2013

| | |
|---|---|
| Number of Projects | 180 840 |
| Number of Users | 610 614 |
| Number of Users with e-mail addresses or name | 602 212 |
| Number of Users with merged pull-requests | 130 814 |
| Collaboration network N, E | 37 392, 88 117 |
| Follower network N, E | 602 212, 1 600 673 |

## Infered Gender Distribution by Data Type



Around 40 % of the users do not indicate their real name or e-mail address

# FEMALE DEVLOPERS HAVE MORE HETEROPHILE CONNECTIONS THAN MALE

Homophily by gender in Github Followers Network   Homophily by gender in Github Accapted Pull Request Network

POPOULAR DEVLOPERS HAVE MORE HETEROPHILE CONNECTIONS IN CO-WORKING NETWORK

Homophily by Gender and Popularity - Co-working Network