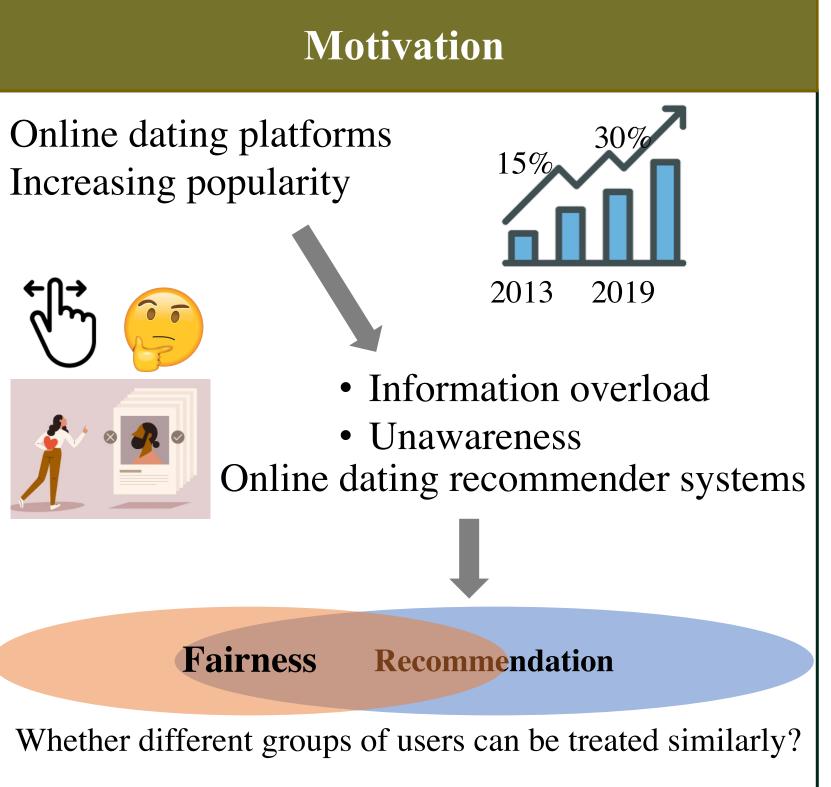


Fair Online Dating Recommendations for Sexually Fluid Users via Leveraging Opposite Gender Interaction Ratio



Acknowledgement

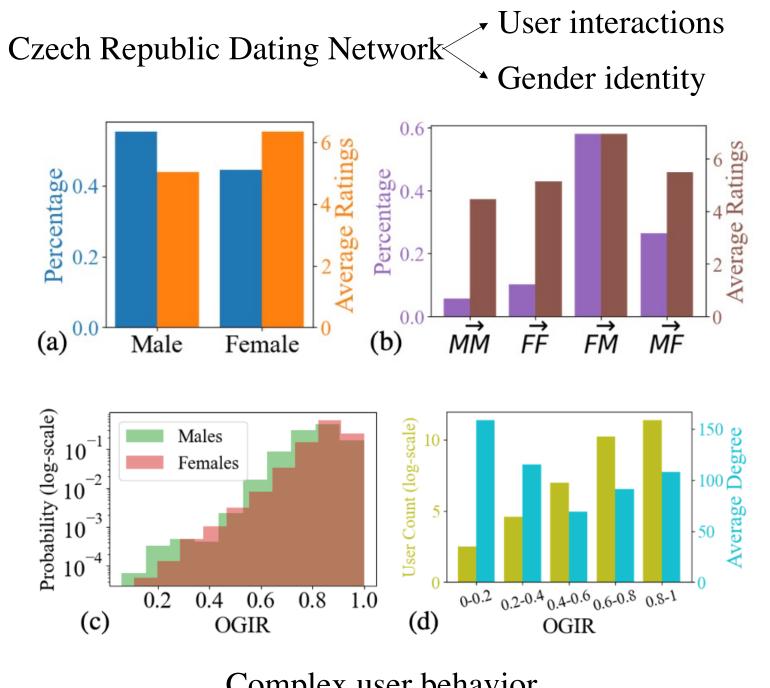
Yuying Zhao, Yu Wang, Yi Zhang, Pamela Wisniewski, Charu Aggarwal, Tyler Derr



- Gender Interaction number
- Purchase amount
- Religion

Sexual **Orientation**

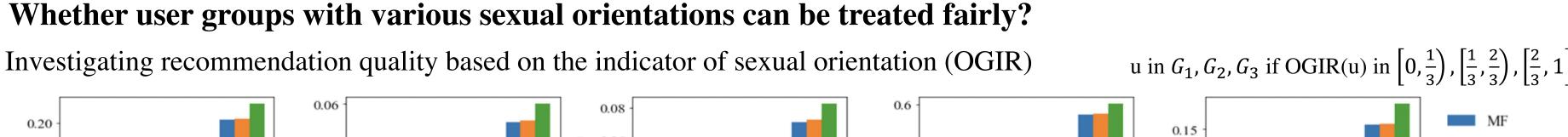
Real-World Dataset Analysis

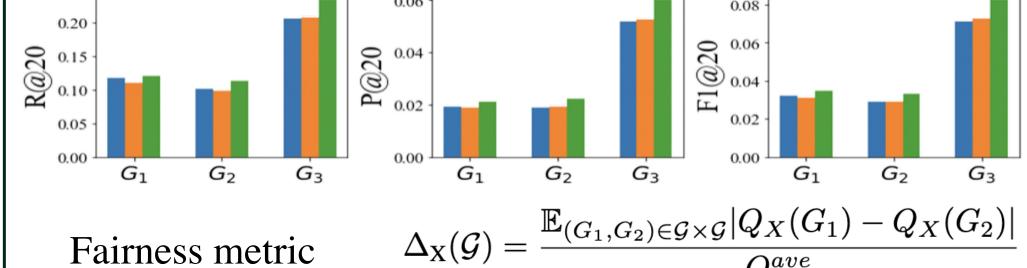


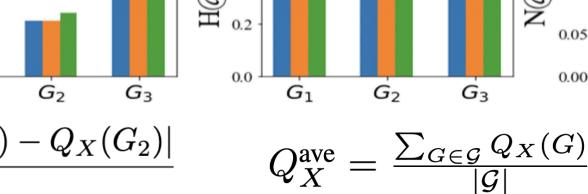
Complex user behavior Prefer/ignore the opposite gender at varied levels

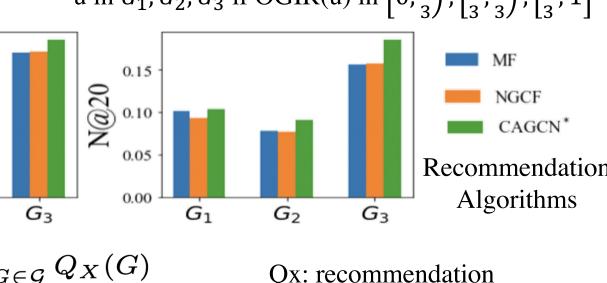
OGIR: opposite gender interaction ratio (indicator of sexual orientation)

Fairness Concerns









quality on metric x



Collaborators

Tyler Derr (advisor)

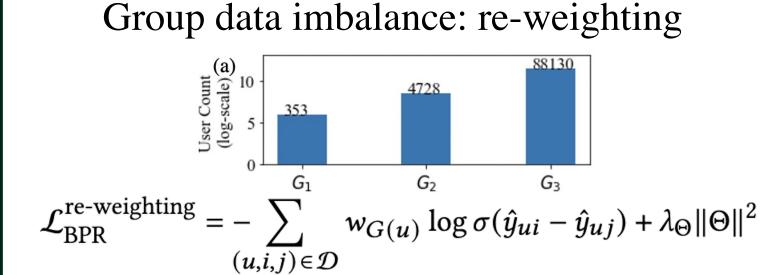
KDD STA

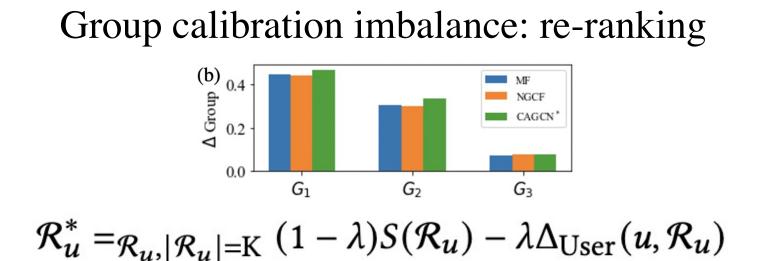
Student Travel Award

Source of Bias & Bias Mitigation

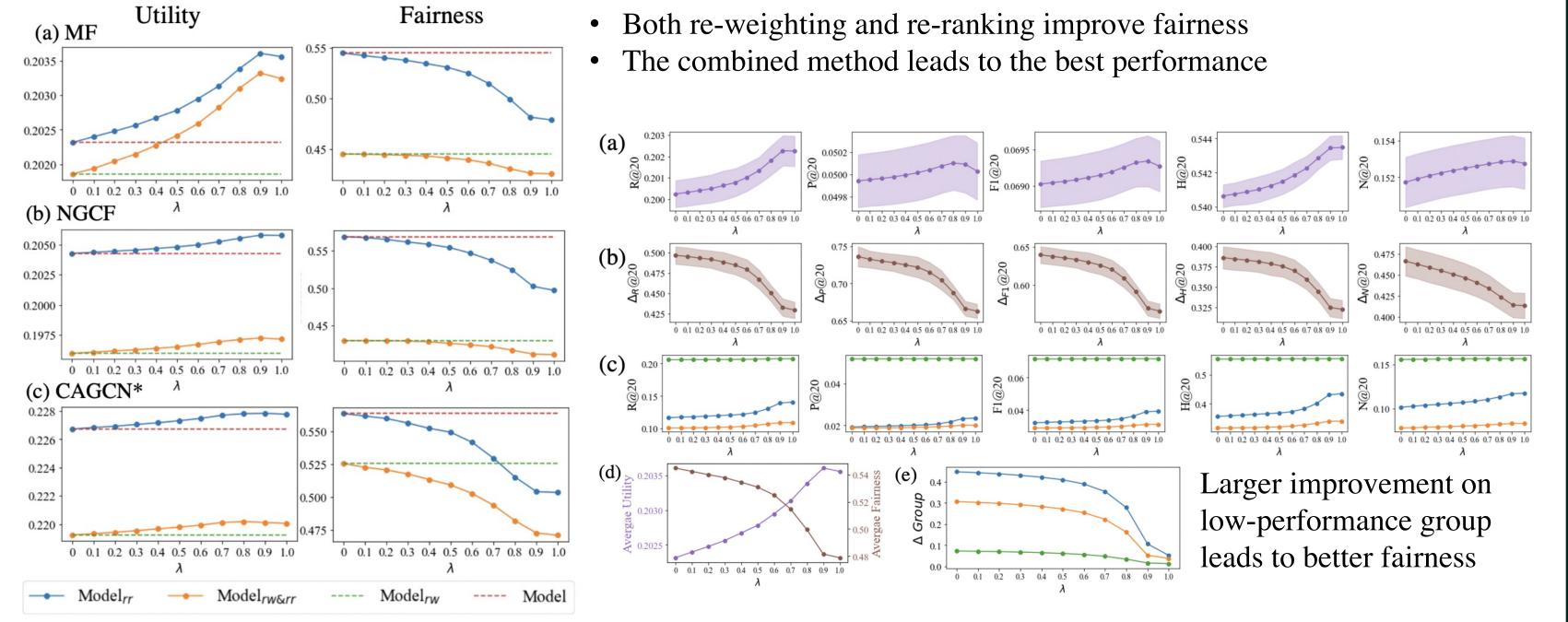
What is the source of group performance gap? How to mitigate the bias?

Investigating source of bias and proposing corresponding mitigation strategies





Experiments



Other works

