



Research Questions

RQ1. Demographics: Who are the computing undergraduate students that participate in clubs?

RQ2. Club Types: What are the types of clubs where computing students get involved?

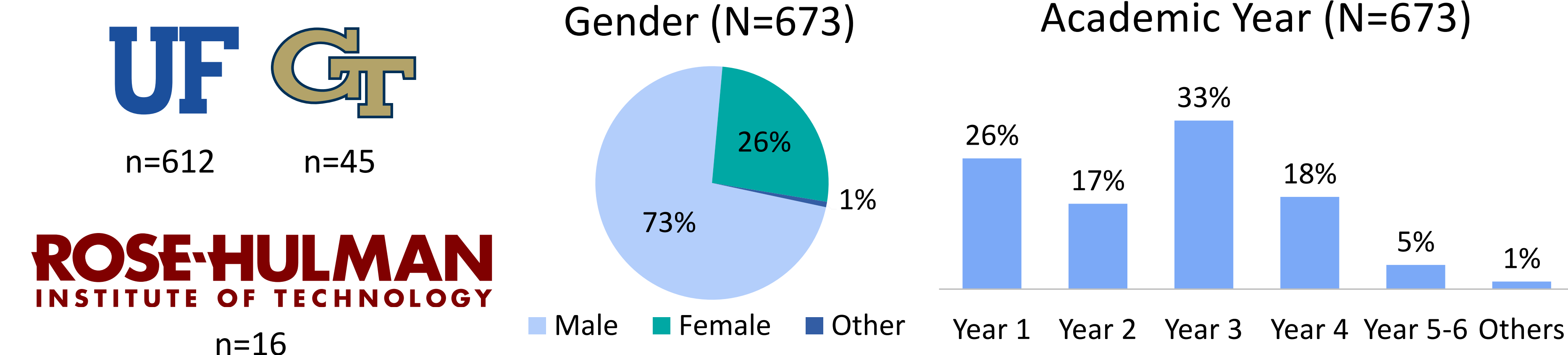
RQ3. Benefits: What benefits do clubs offer computing students who participate in these student clubs?

Methods

- Multi-institutional survey-based study
- Research Sites in the US (2019):
 - Two large CS programs at research institutions
 - CS program at a smaller teaching institution
- Data Analysis
 - Quantitative (RQ1): frequency analysis & computing associations (Mann-Whitney U & χ^2)
 - Qualitative (RQ2-3): inductive content analysis

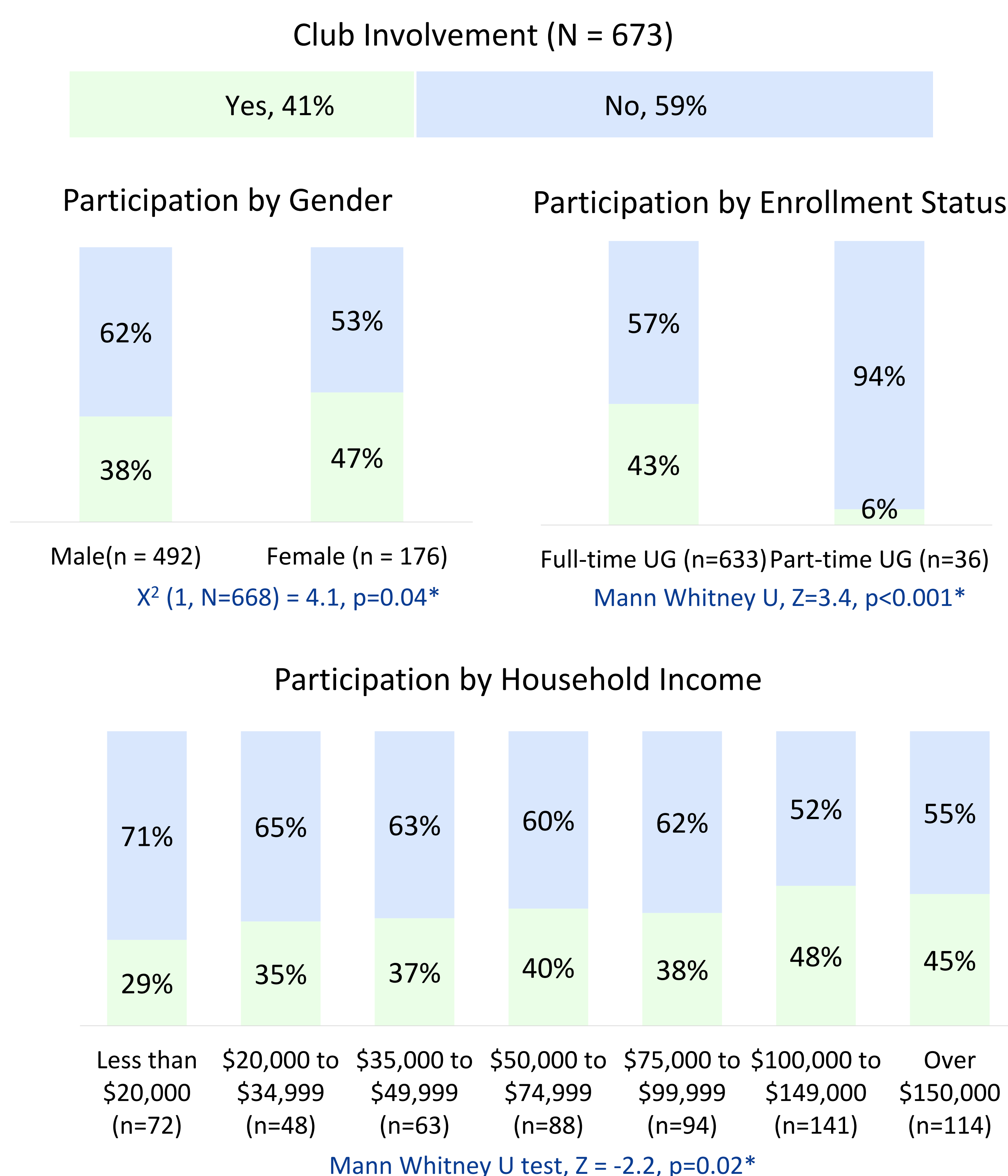
Participants

673 undergraduate computing students from three institutions



Findings

Demographics (RQ1)

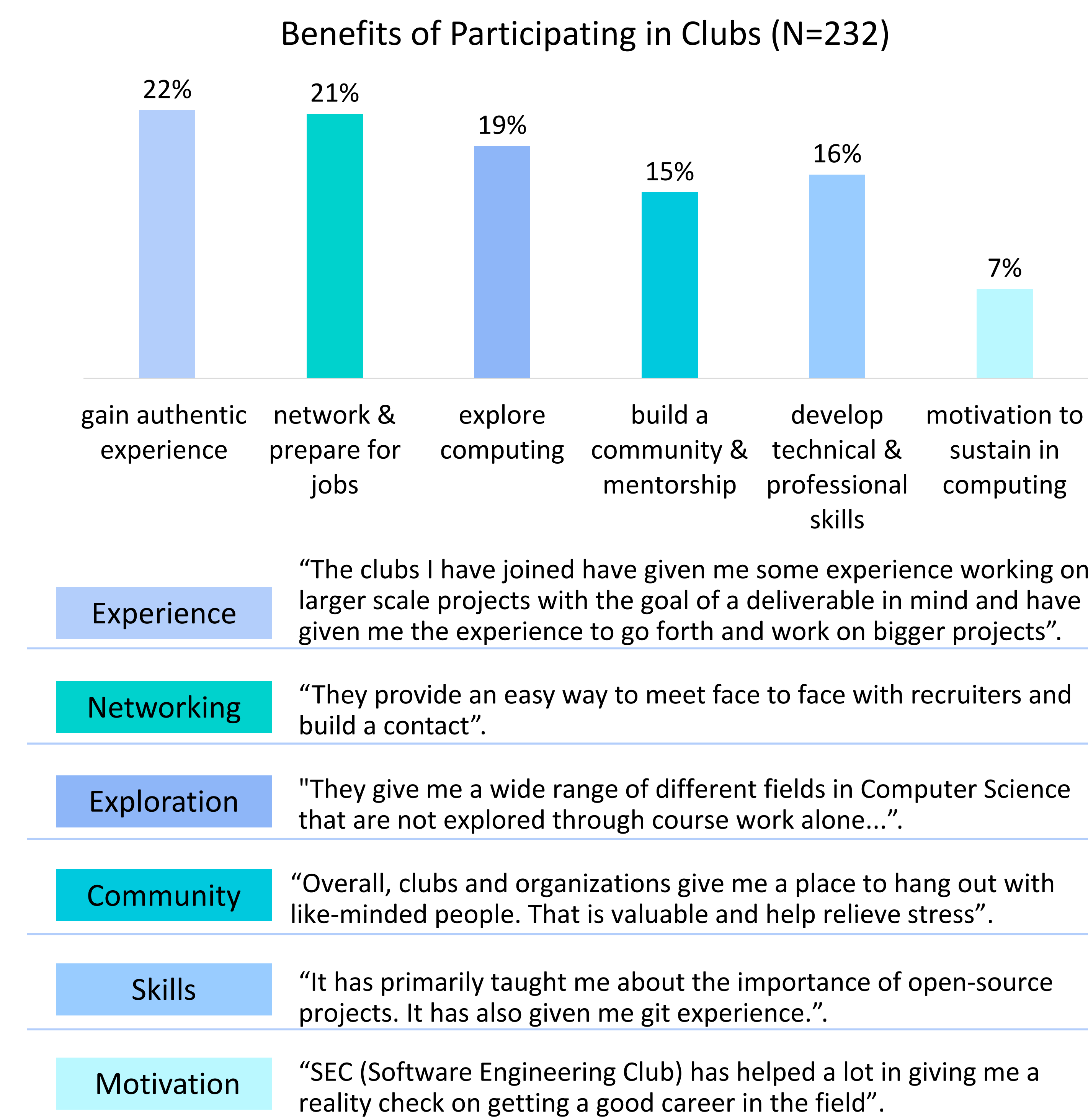


Club Types (RQ2)



Benefits (RQ3)

How has participation in student organizations/clubs allowed you to explore your career interests and/or prepared you for your career?



Discussion

Clubs provide students' rich computing communities of practice for exploration, skill and professional development, and socialization.

Conclusion

- Clubs prepare students for their future careers and help them in building social relationships.
- Program administrators should encourage students to join and provide resources for clubs.