

LGBTQ+ Students at US Colleges and University

Team Data Science for Justice:

Kyrie Johnson (they/she) and Sarah Mincer (she/her)



The Erdős Institute Spring 2023 Data Science Boot Camp

Project Questions

- Does student academic performance differ by...
 - gender?
 - sexual orientation?
- Does student experience on campus differ by...
 - gender?
 - sexual orientation?

Survey Data: Healthy Minds Study

- Survey year 2019-2020
- 89999 Respondents
- 70 Universities and Colleges in the United States



Interactive Dashboards

- Survey data cleaned and transformed
- Tableau Dashboards built
- Live Demo!



Conclusions and Recommendations

- Students who have a stronger sense of group and campus belonging are more likely to choose their school again and finish their degree
- Students at schools that prioritize mental health are more likely to finish their degree
- LGBTQ+ students report that personal struggles affect their academic performance and outcomes
- LGBTQ+ students have different experiences on campus in terms of trauma witnessed, sense of belonging, and sense of community
- Experiences vary dramatically within the LGBTQ+ community by both sexual orientation and especially by gender identity

Future Directions

- Conduct similar analysis for more survey years
- Even more granular analysis with respect to various identities
- Refine our process for the 2021 data, which is the first HMS survey which allows respondents to select multiple gender identities
- Compare to results from other surveys (e.g. the BRFSS)