

OLIVIA MCGOUGH

Department of Statistics Ph.D. Student, University of Washington
Box 354322, Seattle, WA, 98195-4322
Email: mcgougho@uw.edu | Phone: 206.543.7237
mcgougholivia.github.io

EDUCATION

University of Washington	Ph.D. Statistics, June 2028 (expected) Advised by Daniela Witten
Reed College	B.A. Mathematics, May 2023, Phi Beta Kappa

EMPLOYMENT

Graduate Research Assistant , UW Statistics Dept. (supervisor: Daniela Witten)	January 2024 - present
Tribal Collaboration Consultant , UW Statistics Dept.	Summer 2024
Graduate Teaching Assistant , UW Statistics Dept.	Fall 2023
Collaborative Mathematics Research Fellow , Reed College (supervisors: Angélica Osorno and Kyle Ormsby)	Summer 2023
NSF REU Research Fellow , UCLA (supervisor: Deanna Needell)	Summer 2022
Rosenbaum Research Fellow , Reed College (supervisor: David Perkinson)	Summer 2021

PUBLICATIONS

1. **O. McGough**, D. Witten, D. Kessler. *Valid F-screening in Linear Regression*. arXiv preprint arXiv:2505.23113. <https://arxiv.org/abs/2505.23113>, (2025).
2. R. Perry, Z. Xu, **O. McGough**, D. Witten. *Infer-and-Widen, or Not?* arXiv preprint arXiv:2408.06323. <https://arxiv.org/abs/2408.06323>, (2025).

3. G. Goel, **O. McGough**, D. Perkinson. *Counting Weighted Maximal Chains in the Circular Bruhat Order*, Journal of Combinatorial Theory, Series A, vol. 195, p. 105709, April 2023.
4. X. Ding, X. Dong, **O. McGough**, et al. *Population-Based Hierarchical Non-negative Matrix Factorization for Survey Data*, IEEE/ACM International Conference on Big Data Computing, Applications, and Technologies (BDCAT), 2022.

SCHOLARSHIPS & AWARDS

- **Gertrude M. Cox Scholarship**, early career winner, 2025
- **National Science Foundation, GRFP**, 2025

PRESENTATIONS

- **December 2022**: IEEE BDCAT Symposium, Portland, Oregon.
- **October 2022**: Reed College Mathematics Colloquium.
- **April 2022**: Joint Mathematics Meetings, AMS.
- **August 2021**: Young Mathematicians Conference, Ohio State University.

VOLUNTEER/MENTORSHIP

Tribal Collaboration Consultant, UW Statistics Dept. Summer 2025

- Led coding drop-in sessions for tribal environmental professionals.
- Developed R lessons for the Tribal Exchange Network.

Mentor, UW Directed Reading Program Fall 2024

- Led weekly meetings on *Introduction to Statistical Learning*.

DICE Committee Member, UW Sept 2023 – present

- Assisted with DEI initiatives and department surveys.