

CURRICULUM VITAE

OLIVIA MCGOUGH

ADDRESS

Department of Statistics
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EDUCATION

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

EMPLOYMENT

Graduate Research Assistant, UW Department of Statistics, January 2024 - present
(supervisor: Daniela Witten)

Graduate Teaching Assistant, UW Department of Statistics, Fall 2023

Research Fellow, *Collaborative Mathematics Research Group*, Reed College, Summer 2023 (supervisor: Angélica Osorno and Kyle Ormsby)

PUBLICATIONS

1. R. Perry, Z. Xu, O. McGough, D. Witten. *Infer-and-Widen versus Split-and-Condition: Two Tales of Selective Inference*, arXiv preprint arXiv:2408.06323v1 (2024).
2. 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.
3. 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.
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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.
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WORK EXPERIENCE

Tribal Collaboration Consultant, UW Statistics Dept. Summer 2024

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

Teaching Assistant, STAT 311, UW Statistics Dept. Sept 2023 – Dec 2023

- Graded exams and hosted office hours.
 - Led labs for 60 undergraduates.
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VOLUNTEER/MENTORSHIP

Mentor, UW Directed Reading Program Sept 2024 – present

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

DICE Committee Member, UW Sept 2023 – present

- Assisted with DEI initiatives and department surveys.