

Adam Macbale

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RELEVANT WORK EXPERIENCE

Portland State University

Portland, OR

Computational and Data-Enabled Sciences Lab Manager

Sep 2022 – Present

- Assist in running a statistical consulting lab to teach consulting practices to students, and lead the analysis of projects
- Outside the classroom, perform statistical analyses for researchers and department leaders in need of technical assistance with their research
- Ongoing contributions to revolving NSF RTG application
- Partner with local business to submit NSF STTR application
- Coauthor on forthcoming paper (partnered with USGS) about water stratification in upper Klamath River Basin

Research Associate

Apr 2023 - Present

- Work with a team of colleagues and external specialists to understand trends in and advance the literature regarding Alzheimer's disease and dementia
- Coauthor on forthcoming paper about biological markers in dementia (abstract submitted to AAIC 2025)

The T.O.V.A Company

Portland, OR

Statistical Research Consultant

Dec 2020 – June 2022

- Worked directly with the CTO and other stakeholders to recover lost datasets and rendered them into a usable XML format via self-written R tools
- Recalibrated a set of norming tables and used R to write import tools to automatically update normative data with new data
- Developed a statistical methodology to ungroup summary data into individual constituent data

EDUCATION

MS Statistics, 2019

Portland State University, OR

BS Mathematics, 2016

Portland State University, OR

Minors in Physics and Economics

PROJECTS

Statistical Consulting

- Designed and analyzed a pilot study with a crossover treatment scheme
- Performed sample size calculations and power analysis for grant proposals
- Provided statistical advice and interpretation to colleagues in scientific review
- Performed extensive statistical re-analysis for a colleague studying bilingualism in children
- Performed network analysis of course enrollment data for university administrators