**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)

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**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 andused R to write importtools to automatically update normative data with new data
* Developed a statisticalmethodology 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