

# Adam Macbale

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## RELEVANT WORK EXPERIENCE

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### 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

#### 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 and dementia

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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 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

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MS Statistics, 2019

Portland State University, OR

BS Mathematics, 2016

Portland State University, OR

Minors in Physics and Economics

## PROJECTS

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### 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 a colleague stuck in review
- Performed extensive statistical re-analysis for a colleague studying bilingualism in children
- Performed network analysis of course enrollment data for university administrators

## SOFTWARE / SKILLS

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- |                             |                                 |
|-----------------------------|---------------------------------|
| - R                         | 5+ years                        |
| - Python                    | 1 year                          |
| - Project / team management | 10+ years (previous employment) |