

PHIL J. HOWSON, PH.D.

Data Science | Data Analytics | Project Management | Linguistics

philjhowson@outlook.com

+49 1514 1976074

philjhowson.github.io

Experience

Ludwig-Maximilians-Universität München

2023-2024

- Facilitated international collaboration with other researchers
- Database creation and validation with **PYTHON**
- Statistical modeling of large datasets using complex linear models in **R**
- Dissemination of research findings

Leibniz-Zentrum Allgemeine Sprachwissenschaft

2021-2023

- Data collection and management for multiple projects
- Led cutting edge research projects
- Statistical analysis using linear models and GAMMs in **R**
- Organized and maintained project meetings
- Obtained over €160,000 through research grants
- Presentation and publication of research findings

University of Victoria

2020-2021

- Community based research program
- Worked with community to transmit findings and applications
- Statistical modeling using principle component analysis in **R**
- Obtained C\$90,000 through research grants

University of Oregon

2018-2020

- Collection and management for large data set
- Statistical analysis with SSANOVA and linear models in **R**
- Management of 10+ research assistants
- Organization of group meetings, setting and maintain deadlines
- Dissemination of research findings

University of Toronto

2013-2018

- Lead for data collection and management on multiple projects
- Experimental design and statistical analyses with linear models and machine learning in **R**
- Taught 10+ courses, managed 20+ teaching assistants
- Dissemination of research findings
- Obtained over C\$120,000 through research grants

Skills

Data Analytics

Experimental Design
Data sampling, processing, & visualization
Statistical Analysis
Error Analysis
Troubleshooting

Project Management

Personnel & budget management
Problem solving
Written & Oral presentation

Programming

R (tidyverse, dplyr, ggplot2, lme4, mgcv)
Python (pandas, numpy, Seaborn, scikit-learn)
HTML & CSS (basic)
SQL

Education

| | |
|--------------------------------|------|
| Ph.D. Linguistics | 2018 |
| University of Toronto | |
| MA Linguistics | 2013 |
| University of Toronto | |
| BA Linguistics | 2012 |
| University of British Columbia | |

Languages

| | |
|----------|-------------------|
| English | Native |
| German | Intermediate (B1) |
| Japanese | Beginner (A2) |