

PHIL J. HOWSON, PhD

Data Science | Data Analytics | Project Management | Linguistics

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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)