

ZACHARY M. HIMMELBERGER

zachary.himmelberger@gmail.com ♦ 603.494.4514

SUMMARY

Detail-oriented educator and project manager interested in contributing to data analytic teams by using my expertise in data analysis and statistical programming to serve clients.

QUALIFICATION HIGHLIGHTS

- Extensive training in applied statistics with a concentration in Experimental Psychology
- Founder of student Data Science Lab
- Hands-on experience in study and survey design, data analysis, statistical consulting, executive results interpretation, and reporting
- Proficient with a variety of statistical software with over 8 years of experience
- Experienced college-level instructor in statistics, research design, and statistical programming

EDUCATION

The University of Alabama, Tuscaloosa, AL
Doctorate of Philosophy in Experimental Psychology, 2018
Emphasis in Cognitive Psychology, Developmental Science
Minor Emphasis in Statistics

The University of Alabama, Tuscaloosa, AL
Master of Arts in Experimental Psychology, 2015

Rivier College, Nashua, NH
Bachelor of Arts in Psychology, 2012
Honor's Thesis: The testing effect in the classroom

SKILLS

Statistical Programming	R, Python, Stan, SPSS, SAS
Analytic Approaches	generalized linear modeling, multilevel and longitudinal analysis
Interpersonal	collaboration, lab management, teaching
Other Skills	grant writing, publishing, L ^A T _E X, Markdown, Microsoft Excel

SAMPLE PROJECTS

Wayfinding in Individuals with Down syndrome

- Designed study to investigate spatial ability in individuals with Down syndrome, including designing a virtual environment and programming a cognitive task
- Wrote a Python script to automate the processing and summarizing of a memory task
- Used a multilevel modeling framework to analyze repeated trials nested within individuals

Consultation with Maryville College Career Center

- Trained and supervised student research assistants in the Data Science Lab to assist the Career Center in analyzing results from several years worth of career outcome data
- Organized and processed the dataset using reproducible R scripts

- Interpreted and graphed data to assist administrative decision making, and contributed to future data collection procedures

EXPERIENCE

Lecturer, Maryville College, Maryville, TN

2017-present

- Consulted with the Associate Dean, Career Center, faculty, and students on data analysis, statistical programming, and analytical reporting.
- Taught courses and held workshops in statistics, research methodology, and programming in R.
- Maintained a research lab, taught courses, advised students, mentored student research, served on committees, and provided additional service to the department and college.

Graduate Research Assistant, The University of Alabama, Tuscaloosa, AL

2012-2017

- Effectively collaborated with colleagues on several research projects and using a range of methodologies.
- Collected, managed, and analyzed data from surveys and behavioral experiments that I helped design.
- Trained and supervised undergraduate and graduate research assistants on a large, federally funded grant, as well as other concurrent research projects.

Graduate Teaching Assistant, The University of Alabama, Tuscaloosa, AL

2012-2017

- Taught courses and tutored in statistics and research methods.
- Mentored students in the University of Alabama Autism Spectrum Disorder College Transition and Support.
- Supported a diverse group of students as a teacher, advisor, and mentor.