BRENDAN CULLEN

I am a PhD student and NSF Graduate Research Fellow in the Department of Psychology at the University of Oregon. My research focuses on predicting real-world health behaviors and health outcomes in an effort to advance a precision medicine framework for behavioral health. As an aspiring data scientist, my goal is to develop open-source statistical software to support health and wellness.

🎓 EDUCATION

PhD Student, Psychology
2022 | 2017
University of Oregon
📍 Eugene, OR

MS, Psychology
2019 | 2017
University of Oregon
📍 Eugene, OR

BA, Neuroscience
2015 | 2011
Middlebury College
📍 Middlebury, VT

💼 SELECTED POSITIONS

Lab Instructor
2020 | 2019
PSY 611: Data Analysis I, PSY 612: Data Analysis II, PSY 302: Statistical Methods in Psychology
📍 University of Oregon

· Designed and taught lab sections for undergraduate and graduate-level statistics classes (see materials here).

Graduate Employee
2018 | 2017
Social and Affective Neuroscience Lab
📍 University of Oregon

· Created and maintained automated workflow for daily backup of fMRI data via a high performance computing cluster

Research Assistant
2017 | 2015
Clinical and Affective Neuroscience Lab & Embodied Neuroscience Lab
📍 Brown University

· Cleaned, scored and 20+ self-report measures of mindfulness and mental health
· Designed custom software in MATLAB to implement novel EEG/EMG paradigm for measuring neural correlates of tactile acuity and precision grip strength

🔀 SELECTED WORKSHOPS TAUGHT

Introduction to Git and Github
2020
Psychology First Year Research Seminar
📍 University of Oregon

· Introductory workshop for first-year psychology PhD and Master's students on basics of using Git and Github for version control

✊ SELECTED SERVICE

Co-organizer
2020
Cascadia R Conf 2020
📍 Eugene, OR

· Updated website, designed new hex sticker, secured additional sponsors

Co-organizer
2018
Eugene Brainhack
📍 Eugene, OR

· Co-organized a two-day Brainhack event hosted at the University of Oregon for collaborative software development projects related to computational neuroscience and psychology

CONTACT 📇

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🐦 _bcullen
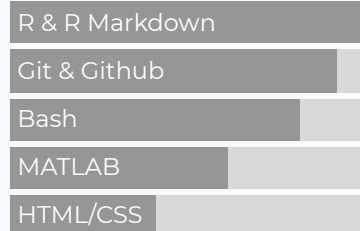🐙 brendanhcullen
in linkedin.com/in/bcull
📞 901-826-9547

CERTIFICATION Ⓡ

I am an RStudio Certified Instructor in the tidyverse (see certificate).

OTHER TRAINING 🖥

As part of my doctoral training, I am currently pursuing a 5-course Data Science Specialization taught entirely in R, focused on reproducible analysis, data visualization, functional programming, and machine learning within a tidyverse framework.

PROGRAMMING SKILLS >_

- R & R Markdown
- Git & Github
- Bash
- MATLAB
- HTML/CSS

PHILOSOPHY 💡

I am a strong advocate for open science and open-source data science software. I particularly enjoy helping others learn data science skills, and I value kindness and inclusivity above all else in my teaching.

MORE INFO ℹ

See full CV at bcullen.rbind.io/cv for more complete list of positions and peer-reviewed publications.