BRENDAN CULLEN

I am a PhD student and NSF Graduate Research Fellow in the Department of Psychology at the University of Oregon. As an aspiring data scientist, my goal is to implement my skills as a researcher in an applied industry setting to develop open-source analytical tools that support health and wellness across the lifespan.

🎓 EDUCATION

2022 | 2017

PhD Student, Psychology
University of Oregon
📍 Eugene, OR

2019 | 2017

MS, Psychology
University of Oregon
📍 Eugene, OR

2015 | 2011

BA, Neuroscience
Middlebury College
📍 Middlebury, VT

💼 SELECTED POSITIONS

2020 | 2019

Lab Instructor
PSY 611: Data Analysis I and PSY 612: Data Analysis II
📍 University of Oregon

· Designed and taught lab sections for graduate statistics classes (full materials here).

2018 | 2017

Graduate Employee
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

2017 | 2015

Research Assistant
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

2020

Introduction to Git and Github
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

2020

Co-organizer
Cascadia R Conf 2020
📍 Eugene, OR

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

2018

Co-organizer
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
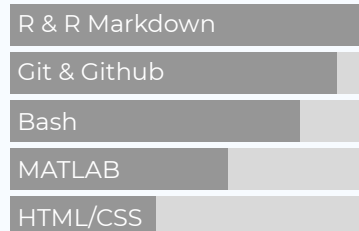
CONTACT 📇

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 brendanhcullen
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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 >_

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

PHILOSOPHY 💡

I am a strong advocate for open science and continually strive for a more shareable, efficient and reproducible workflow. I enjoy learning and teaching statistics within communities that are friendly, inclusive, and supportive, and I have had the privilege of co-organizing several workshops and conferences dedicated to sharing open-source data science tools within such communities.

MORE INFO ⓘ

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

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*Source code on GitHub. *
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