BRENDAN CULLEN

I am a NSF Graduate Research Fellow in the Department of Psychology at the University of Oregon and a Data Science Educator at RStudio, PBC. My research takes a translational (neuro)science approach toward predictive modeling of health behaviors. I teach R and R Markdown to empower others to conduct rigorous and reproducible data science.

🎓 EDUCATION

2019 | 2017

MS, Psychology
University of Oregon
📍 Eugene, OR

2015 | 2011

BA, Neuroscience
Middlebury College
📍 Middlebury, VT

💼 SELECTED POSITIONS

2021 | 2020

Data Science Educator
RStudio, PBC
📍 Remote

· Developed interactive educational materials related to using R for data science.

2021 | 2018

National Science Foundation Graduate Research Fellow
Social and Affective Neuroscience Lab
📍 University of Oregon

· Co-designed interventions for large-scaled study comparing behavioral response and cognitive reappraisal interventions for devaluing unhealthy food.
· Created and maintained automated workflow for daily backup of fMRI data via a high performance computing cluster.

2020 | 2019

Lab Instructor
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 in R and jamovi (see materials here).

2017 | 2015

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

· Led independent research projects exploring outcomes of a randomized controlled trial of Mindfulness-Based Cognitive Therapy for depression.
· 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

UO Psych R Bootcamp
Department of Psychology
📍 University of Oregon

· 3-day bootcamp covering basics of R, R Markdown and transforming and visualizing data with the tidyverse.

2020

Using R more "wisely": Column-wise & row-wise operations with dplyr
R Ladies Algiers
📍 Remote

· Workshop for R-Ladies Algiers on column-wise and row-wise operations with dplyr for more efficient data wrangling and summarizing.

🤝 SELECTED SERVICE

2020

Co-organizer
Cascadia R Conf 2020
📍 Eugene, OR

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

CONTACT 📇

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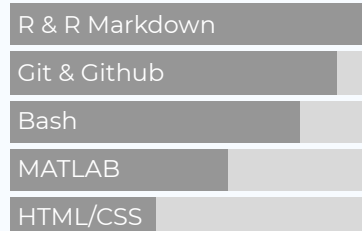📞 901-826-9547

DATA SCIENCE SPECIALIZATION 👨‍🎓

As part of my graduate training, I completed a 5-course Data Science Specialization in Educational Leadership focused on data visualization, functional programming, and machine learning within a tidyverse framework.

CERTIFICATION ®

I am an RStudio Certified Instructor in the tidyverse.

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.