

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 behavior. I enjoy teaching open source software (primarily R and R Markdown) to empower others to conduct and share 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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DATA SCIENCE SPECIALIZATION

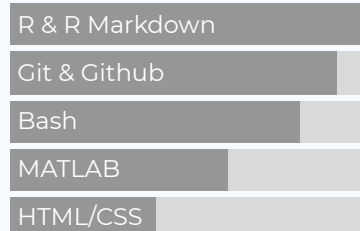
As part of my graduate training, I completed a 5-course [Data Science Specialization in Educational Leadership](#) focused on data visualization, functional programming, and machine learning within a tidyverse framework.

CERTIFICATION

I am an [RStudio Certified Instructor](#) in the [tidyverse](#).

PROGRAMMING

SKILLS



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

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](#).
Last updated on 2021-08-08.