Brennan **Beal**

QUANTITATIVE SCIENTIST

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I'm a data scientist passionate about bridging the gap between data and decision-making - let's build something together!

Experience

Quantitative Scientist
FLATIRON HEALTH

New York, NY
January 2021 –> Present

- Leading the Syntech team in the automation and deployment of our quality assessment pipeline
- Building QS-specific R packages to help scale the way we pressure test our data
- Collaborating with our research clinicians to conduct research on barriers to receiving life-saving oncology therapies
- Thought leader regarding the transportability of US RWE for ex-US use cases

Post-Doctoral Healthcare Economics Research Fellow
ABBVIE IN CONJUNCTION WITH THE UNIVERSITY OF WASHINGTON

Seattle, WA
June 2019 –> December 2020

- Led a team of 3 to create the CHOICE REAdi Tool, an RShiny app to assist with Real World Evidence assessment
- Developed economic models to demonstrate the cost-effectiveness of an early-stage gene therapy
- Designed and led a 3-day 'Intro to R' course for incoming CHOICE M.S. and Ph.D. students
- Completed Masters coursework and thesis in healathcare economics, biostatistics, and epidemiology

Independent Consultant
CHIESI USA, INC.

Raleigh, NC
October 2018 –> June 2019

- Consulted with Chiesi's decision-support team to make use of their marketing database
- Recommended a restructure of FY 2020 marketing strategy by identifying a $600k profit opportunity within their provider outreach program

Education

University of Washington CHOICE Institute
MASTERS, HEALTHCARE ECONOMICS AND OUTCOMES RESEARCH, GPA 3.7

Seattle, WA
2020

- University of Washington School of Pharmacy Graduate Student Leadership Award

University of North Carolina Eshelman School of Pharmacy
DOCTOR OF PHARMACY, GPA 3.4

Chapel Hill, NC
2019

- PCAT 93rd Percentile (99th percentile in Quant. Reasoning)

North Carolina State Univesity
BACHELORS STRUCTURAL AND MOLECULAR BIOCHEMISTRY, GPA 3.4

Raleigh, NC
2015

Packages

adheRenceRX

AN OPINIONATED PACKAGE SET ON INCREASING THE SPEED AND INTUITION OF WITH WHICH RESEARCHERS CAN CONDUCT MEDICATION ADHERENCE ASSESSMENT

https://btbeal.github.io/adheRenceRX/
December 2020

- Author and Maintainer
- Released to CRAN

Skills

Programming
R, RMARKDOWN, RSHINY

Version Control
GIT

Editors

RStudio, IntelliJ

Publications

1. O'Hara-Wild, M., & Hyndman, R. (2021). *Vitae: Curriculum vitae for r markdown*. `https://CRAN.R-project.org/package=vitae`

2. Müller, K., & Wickham, H. (2021). *Tibble: Simple data frames*. `https://CRAN.R-project.org/package=tibble`

Publications

1. O'Hara-Wild, M., & Hyndman, R. (2021). *Vitae: Curriculum vitae for r markdown*. `https://CRAN.R-project.org/package=vitae`