CARLOS I. RODRIGUEZ, Ph.D.

Albuquerque, NM 87114 | 505-720-4312 | rodriguez.carlosivan@gmail.com

EDUCATION: Ph.D. in Experimental Psychology (Cognition, Brain and Behavior), University of New Mexico, July 2018

SUMMARY of SKILLS: Skilled in experimental research design. Strong quantitative data analysis and visualization skills using MATLAB and R. Excellent oral and written communication skills.

RECENT EXPERIENCE

Postdoctoral Fellow - The Mind Research Network, March 2020 – Present
- Collaborated on multiple research projects resulting in 2 manuscripts published in peer reviewed journals
- Published one manuscript using support vector machine learning classification of brain connectivity patterns
- Developed computational tools for the automated collection, organization, and analysis of large biomedical datasets consisting of structured timeseries, demographic, cognitive, and health information using R
- Secured extramural funding to attend a week-long, out-of-state grant writing workshop
- Drafted and submitted 1 National Institutes of Health funding proposal

Program Specialist, Center for Academic Program Support - University of New Mexico, March 2019 - March 2020
- Oversaw the planning, budgeting, hiring, and training of 2 academic support programs
- Evaluated cognitive and educational psychology research literature to develop evidence-based training and programming for students and staff
- Assisted in program evaluation, dissemination of data-based faculty reports, and program certification
- Composed and delivered oral presentations to key stakeholders including students, faculty, and staff

Postdoctoral Fellow, Department of Psychology - University of Texas at El Paso, June 2018 – February 2019
- Designed and executed collaborative research experiments exploring spatial learning, memory, and stress
- Collected, statistically analyzed, and visualized quantitative behavioral data using R and Matlab
- Composed and delivered 6 academic research presentations in university and professional settings

Doctoral Student, Department of Psychology - University of New Mexico, August 2012 – July 2018
- Collaboratively planned and performed behavioral, physiological, and histological research projects resulting in 7 peer reviewed research publications
- Used computational tools (Bash & MATLAB) to develop data management, processing and statistical analysis procedures for behavioral and neuroimaging data
- Served as instructor of record for multiple sections of Introduction to Brain and Behavior
- Assisted in the curriculum design and implementation of an undergraduate research mentoring program

ADDITIONAL TRAINING

2021   Currently enrolled in 2 courses: a) Python for Data Science and Machine Learning and b) Data Science and Machine Learning Bootcamp with R on the Udemy.com online learning platform
2021   Completed 16 courses in the Datacamp.com online learning platform including Support Vector Machines in R, Hierarchical and Mixed Effects Models in R, Multiple and Logistic Regression in R, Intermediate Data Visualization with ggplot2 (R), Exploratory Data Analysis in R, Intermediate R, and Intermediate Python
2019   Completed the Introduction to R course in the SAGE Campus online learning platform

SELECT RESEARCH SUPPORT & AWARDS

2021   Scholarships to Enhance and Empower Diversity to Success Award, Marine Biological Laboratory
2017   The Ford Foundation; Dissertation Fellowship Award
2016   University of Alabama, Birmingham; National Enhancement of Under-represented Academic Leadership (N.E.U.R.A.L.) conference Best Oral Presentation
2015   Master's thesis defense awarded "with distinction"