

Carlos I. Rodriguez

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SKILLS

COMMUNICATION

Public Speaking
Teaching
Technical Report Writing
Fluent in Spanish

PROGRAMMING

Python, JupyterLab, & Spyder
R & RStudio
MATLAB, Bash

STATISTICS & MACHINE LEARNING

Analysis of Variance
Correlation & Regression
Independent Components Analysis
Support Vector Machines

MENTORING

Undergraduates
Graduates
Research Assistants

EDUCATION

PHD, PSYCHOLOGY

COGNITION, BRAIN, & BEHAVIOR
UNIVERSITY OF NEW MEXICO
July 2018 | Albuquerque, NM

MS, PSYCHOLOGY

COGNITION, BRAIN, & BEHAVIOR
UNIVERSITY OF NEW MEXICO
May 2015 | Albuquerque, NM
Thesis passed with distinction

BA, PSYCHOLOGY

BIOLOGICAL PSYCHOLOGY
WESTERN COLORADO UNIVERSITY
May 2007 | Gunnison, CO

LINKS

LinkedIn:// carlosivanr
Github:// carlosivanr
Publications:// MyNCBI
Personal://
keen-wilson-61a022.netlify.app

EXPERIENCE

MIND RESEARCH NETWORK | POSTDOCTORAL RESEARCH FELLOW

Mar 2020 – Present | Albuquerque, NM

- Spearheaded two neuroimaging research projects resulting in peer-reviewed publications using network analysis and support vector machine learning
- Developed Bash, MATLAB, Python, and R-based tools for the management, processing, and analysis of human fMRI and MEG neuroimaging data
- Drafted and submitted National Institutes of Health grant proposals

UNIVERSITY OF NEW MEXICO | PROGRAM SPECIALIST

Mar 2019 – Mar 2020 | Albuquerque, NM

- Managed two teams focused on providing undergraduate academic support
- Reviewed and evaluated cognitive and educational psychology research to develop programming aimed at improving student learning strategies
- Conducted program evaluation leading to accreditation & certification

UNIVERSITY OF TEXAS AT EL PASO | POSTDOCTORAL FELLOW

Jun 2018 – Feb 2019 | El Paso, Texas

- Designed and executed animal research experiments to explore the role of stress on learning and memory
- Performed statistical analyses of behavioral data using R and MATLAB
- Composed and delivered research presentations in university and professional conference settings

UNIVERSITY OF NEW MEXICO | GRADUATE & RESEARCH ASSISTANT

Aug 2012 – Jul 2018 | Albuquerque, NM

- Led and collaborated on animal behavior research projects leading to six peer reviewed publications
- Developed computational, data management, processing and statistical analysis procedures using R and MATLAB
- Taught online and face-to-face sections of Introduction to Brain and Behavior
- Collaboratively designed and implemented an undergraduate research mentoring program
- Secured funding from the National Institutes of Health, Ford Foundation, Research Society on Alcoholism, and National Hispanic Science Network
- Composed and delivered research presentations in local and national conference venues

UNIVERSITY OF NEW MEXICO | STUDENT PROGRAM ADVISOR

Oct 2009 – Aug 2012 | Albuquerque, NM

- Provided educational and career guidance to first- and second-year undergraduate students
- Collaboratively planned and implemented a new student orientation program

WESTERN COLORADO UNIVERSITY | ADMISSIONS COUNSELOR

Aug 2007 – Aug 2009 | Gunnison, CO

- Recruit in- and out-of-state high school students to WCU
- Delivered oral presentations to prospective students, parents, and counselors
- Reviewed prospective student applications for admissibility