Joscelin Rocha-Hidalgo, Ph.D.

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PROFESSIONAL SUMMARY

Innovative Data Scientist with a Ph.D. in Psychology, specialized in applying advanced data analytics to social and cognitive science research. Expert in extracting meaningful insights from complex, multidisciplinary datasets.

SKILLS

Programming Languages and Statistical Software: Highly proficient in R (dplyr, tidyverse, etc), SQL, STATA, SPSS, Python (pandas, matplotlib, etc)

Data Analysis: Expertise in survey design, statistical analysis methods, including Regressions, ANOVA, T-Tests, multilevel modeling, non-parametric statistics, NLPs

Data Visualization: Tableau, ggplot2, seaborn, matplotlib, shiny dashboard, quarto

Research Methodologies: Experienced in surveys, focus groups, field studies, usability tests, and interviews

Software & Platforms: Qualtrics, REDcap, Filemaker, Open Science Framework (OSF), Git/GitHub, Databrary

Languages: English (Fluent), Spanish (Fluent), French (Proficient)

EXPERIENCE

Research Scientist   September 2022 – Present

Pennsylvania State University | Pennsylvania

- Leading and executing comprehensive data analysis for **2 large NIMH-funded projects** designed to examine the longitudinal trends of anxiety in parents and children
- Implement data integration strategies for **multimodal datasets**, enhancing predictive modeling accuracy
- Champion open data practices, significantly increasing the **reproducibility and transparency** of research findings

Consultant   July 2022 – January 2023

R for the Rest of Us | Remote

- Specialized in automating report generation for health research using **R**, enhancing **data visualization and interpretation** such as the [2023 report](#) from the International Vaccine Access Center
- Managed social media strategies to increase brand awareness and engage with the R programming community
- Orchestrated an online course launch, demonstrating skills in digital content creation and online community engagement.

Research Scientist & Instructor   July 2017 – June 2022

Georgetown University | Washington, DC

- Conducted advanced statistical analyses on longitudinal studies, resulting **in 9 peer-reviewed publications** and **13 posters** presented at domestic and international scientific conferences
- Taught data science techniques and statistical programming to undergraduate and graduate students, enhancing the research skill set of over **50 students**.
- Enhanced the laboratory's open-access practices by preregistering **7 studies and analyses**, publishing **3 pre-prints** on sites such as **Open Science Framework (OSF)**, **GitHub**, and **Databrary**

Consultant & Evaluator of Educational Community Engagement Programming   February 2020 – January 2022

WETA-TV 26| Washington, DC

- Applied research quantitative methods to assess the effectiveness of **5 intervention programs**
- Designed and implemented bilingual surveys for parent-child relationship enhancement programs
- Provided expert advice on child development and statistical analysis, driving improvements in program effectiveness

Project & Data Manager at the Early Learning Project   June 2016 – June 2017

Georgetown University | Washington, D.C.

- Managed all aspects of data lifecycle for key child development research, ensuring high data quality standards and insightful analysis.
- Collaborated on interviews with media outlets to communicate science to bilingual families

EDUCATION

Doctor of Philosophy in Psychology [Lifespan Cognitive Neuroscience] - Georgetown University

Master of Arts in Psychology - Georgetown University

Bachelor of Arts in Psychology and Child & Family Studies (French Minor) - Berea College