DAVID SALTZMAN, PhD

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SUMMARY OF QUALIFICATIONS

- Data analytics expert with 7+ years of experience generating insights from complex datasets, including using machine learning
- Successfully executed major research projects both independently and in teams
- Communicated complex scientific ideas in 10+ presentations to audiences of varying expertise

PROFESSIONAL & RESEARCH EXPERIENCE

QUEBIT CONSULTING, LLC

Data Science Intern, June 2022 – March 2023

- Worked with a team of consultants and VP of Cross Solutions Architecture to research and implement a new predictive forecasting pipeline that included state of the art neural network approaches, dramatically expanding forecasting capability and increasing accuracy by at least 10%
- Worked with software engineers to productionize R code

UNIVERSITY OF CONNECTICUT, Storrs, CT

PhD Candidate and National Institutes of Health National Research Service Award Fellow (NRSA), 2018 – July 2023

- Designed, implemented, and analyzed 5+ experiments using innovative analytical techniques to understand how language is processed in the brain
- Gained skills in advanced data measurement, manipulation, and analysis using R (TidyVerse, TidyModels) and Python (Pandas, NumPy, Keras)

UNIVERSITY OF CONNECTICUT, Storrs, CT

Lab Manager, Language and Brain Lab*, 2016 – 2018*

- Directly supervised between 8-12 undergraduate research assistants as they carried out research project

SKILLS & TECHNIQUES

- Data manipulation and ETL: R Tidyverse, Python pandas, SQL
- Predictive forecasting: Prophet, NeuralProphet, N-BEATS
- Predictive modeling: Regression, Deep Neural Networks, Random Forest, XGBoost
- Data visualization: ggplot2
- A/B testing and experimental design
- Online data collection platforms (Qualtrics, Prolific, Gorilla)
- Independent and collaborative problem solving

EDUCATION

Ph.D, M.S., Language & Cognition   University of Connecticut, Storrs, CT

M.S., Psychology   Villanova University, Villanova, PA

B.A., Psychology   Providence College, Providence, RI