

DAVID SALTZMAN, PhD, MS

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PROFESSIONAL SUMMARY

- Data analytics expert with 7+ years of experience generating insights from complex datasets using statistical and machine learning models, with extensive experience building regression models
- Data storyteller who has translated complex scientific ideas into meaningful actions in 10+ presentations to audiences of varying expertise
- Strong collaborator with a history of bringing projects to completion both independently and in cross-functional teams

WORK EXPERIENCE

QueBIT Consulting

Jun. 2022 – Mar. 2023

Data Science Intern

Scarsdale, NY

- Collaborated with cross-functional team of consultants and VP to research and implement a new predictive forecasting pipeline that included cutting-edge neural network approaches (e.g., N-BEATS, DeepAR)
- Dramatically expanded forecasting capabilities on problem datasets by adding new models to QueBIT pipeline which increased forecast accuracy by at least 10-25%
- Worked with software engineers to productionize R code and communicated improvements at two company-wide webinars

University of Connecticut

Aug. 2018 – Jul. 2023

PhD Candidate and NIH Ruth K. Kirschstein Research Fellow

Storrs, CT

- Independently designed, implemented, and analyzed 5+ experiments using mixed effects regression models, linear regression, logistic regression, and ANOVA
- Performed ETL on complex, multidimensional datasets to extract insights and set data up for further analysis using R (Tidyverse, Tidymodels) and Python (pandas, numpy)

University of Connecticut Language & Brain Lab

Jul. 2016 – Jul. 2018

Lab Manager

Storrs, CT

- Directly supervised between 8-12 undergraduate research assistants as they successfully collected data for research projects from NIH-funded grants

SKILLS

- **Data manipulation and ETL:** R Tidyverse, Python pandas, SQL
- **Predictive forecasting:** Fable, Modeltime, Prophet
- **Predictive modeling:** Linear & Logistic Regression (including mixed effects models), Deep Learning (Keras), Random Forest, XGBoost
- **Data visualization:** ggplot2, R Shiny, Seaborn
- **A/B testing and experimental design**
- **Microsoft Office Suite:** Excel, PowerPoint, Word, Visio
- **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