

DAVID SALTZMAN, PhD, MS

Rhode Island

disaltzman@gmail.com | Portfolio: disaltzman.github.io/portfolio/ | linkedin.com/in/david-ian-saltzman

PROFESSIONAL SUMMARY

- Skilled data analyst 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 and communicated them in 10+ presentations to audiences of varying expertise
- A history of bringing end-to-end projects to completion both independently and in cross-functional teams

WORK EXPERIENCE

QueBIT Consulting

06/2022 – 03/2023

Data Science Intern

Scarsdale, NY

- Increased predictive forecasting accuracy by 10-25% by researching, evaluating, and implementing 8+ new forecasting models in collaboration with a cross-functional team
- Cleaned messy datasets for use in forecasting testing by performing ETL with SQL, R, and Python
- Identified and addressed potential performance bottlenecks with software engineers to productionize R code
- Updated QueBIT forecasting SOP by communicating improvements to forecasting pipeline at two company-wide webinars

University of Connecticut

08/2018 – Present

Research Fellow

Storrs, CT

- Designed, implemented, and analyzed 15+ A/B testing experiments of human behavior that lead to 10+ publications in scientific journals by using mixed effects regression models, linear regression, logistic regression, and ANOVA
- Extracted insights from complex, multidimensional datasets on 10+ projects by using R (Tidyverse, Tidymodels) and Python (Pandas, NumPy)

University of Connecticut

07/2016 – 07/2018

Lab Manager

Storrs, CT

- Successfully carried out 2+ experiments from research grant by directly supervising team of 8-12 research assistants

SKILLS

- **Programming Experience:** R (9 years, Expert), Python (4 years, Advanced), SQL (1 year, Advanced)
- **Data manipulation and ETL:** R Tidyverse, Python pandas, SQL
- **Predictive modeling:** Linear & Logistic Regression (including mixed effects), Deep Learning (Keras/Tensorflow), Decision Tree, Random Forest, XGBoost, Clustering (K-Means, Dynamic Time Warping)
- **Data visualization:** ggplot2, R Shiny, Python Seaborn
- **A/B testing and experimental design**
- **Microsoft Office Suite:** Excel, PowerPoint, Word, Visio

EDUCATION

PhD, MS, Language & Cognition

2018-2023, University of Connecticut, Storrs, CT

MS, Psychology

2014-2016, Villanova University, Villanova, PA

BA, Psychology

2009-2013, Providence College, Providence, RI