

Ryan Travis

DATA SCIENTIST

Roslindale, MA 02131

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Experience

Senior Data Analyst

TOAST INC.

- Stuff

Boston, MA

Jun. 2024 - Present

Product Data Scientist

BUMBLE INC.

- Led the design and implementation of a complete rebuild of the A/B testing data pipeline, resulting in improved accuracy of test results and up to a 50% reduction in experiment analysis time.
- Presented analysis results and best practices at Bumble analytics forums. Mentored 5+ junior analysts to improve their technical skills and understanding of experimentation.
- Collaborated with PMs, designers, and engineers to deliver insights and launch high impact features like the 'Premium+ subscription' offering and the 'Spotify Common Artist Banner'.
- Created tracking specs, designed and analyzed experiments, and provided analytical support and insights for quarterly product roadmaps.

Boston, MA

Jan. 2022 - Jun. 2024

Data Scientist

ALARM.COM

- Partnered with internal stakeholders to gather requirements, deliver data analysis, and dashboards, influencing product and marketing strategies.
- Built advanced SQL data pipelines leveraging window functions, CTEs, and aggregate functions, improving data processing accuracy and efficiency for complex reporting needs.
- Analyzed in-app ad offers to measure effectiveness and provide recommendations for improvement.
- Created machine learning models (logistic regression, GBM, etc.) to optimize targeting for marketing ads. Wrote SQL production code to implement logistic regression models.
- Developed machine learning models (logistic regression, GBM) to refine ad targeting strategies, ensuring more effective audience segmentation. Deployed models via SQL to streamline production integration.
- Built customer lifetime value models (Discrete Time and Cox survival models) of commercial customers to inform future product development.

Tyson's Corner, VA

Mar. 2020 - Jan. 2022

Data Analyst

POINT RIGHT INC.

- Developed machine learning models for predicting injurious falls and pressure ulcers among nursing home residents, supporting data-driven decision-making in healthcare management.
- Led the transition from a legacy SAS codebase to R and Python, significantly reducing licensing costs and modernizing the company's analytics capabilities. This change saved the company tens of thousands of dollars annually.
- Automated reporting and dashboard production, increasing report generation from dozens to hundreds, and cutting delivery time from several days to a matter of hours, enabling the company to scale operations and make faster, more informed decisions.
- Provided in-depth business decision analyses and presented actionable insights to C-level executives, including the CEO, leadership team, and board members, influencing high-level business strategy.

Cambridge, MA

Sept. 2018 - Mar. 2020

Biostatistician

BETH ISRAEL DEACONESS MEDICAL CENTER

- Led statistical analysis for two machine learning research projects, which resulted in peer-reviewed publications, contributing to advancements in Cardiology.
- Conducted advanced statistical analysis of complex phase II and phase III clinical trial data, including hierarchical and longitudinal data structures. Applied models such as generalized linear models (GLMs) and time-to-event survival analysis, driving key insights for trial outcomes.

Boston, MA

June 2017 - Sept. 2018

Education

Texas A&M

M.S. STATISTICS

College Station, TX

2014-2018

West Virginia University

B.A. ECONOMICS, PHILOSOPHY

Morgantown, WV

2007-2013

Publications

- 2020 **Machine Learning for Prediction of VTE in Acutely Ill Patients:** Lead Statistician
<https://doi.org/10.1002/rth2.12292>
- 2019 **Machine learning versus traditional risk stratification methods in ACS:** Lead Statistician
<https://doi.org/10.1007/s11239-019-01940-8>