Tim Wilson

Data Scientist

As a mathematician with a strong background in research, statistics, and data visualization, I am well-equipped to collaborate with peers and present unique insights to diverse audiences. Seeking to apply my expertise to real-world problems, I am excited to join an analytics team and contribute to innovative, data-driven solutions for complex challenges.

Education

PhD in Mathematics
University of North Texas

MS in Mathematics
University of North Texas

Certifications

- DeepLearning.AI ML
- TensorFlow Developer
- IBM Data Scientist

Tools

Python
SQL
R
Tableau
Microsoft Excel
Git

Skills

Statistical Modeling
TVM Analysis
Optimization
Time Series Forecasting
Customer Segmentation
Recommendation Systems

Interests

Rock Climbing
Astronomy
Photography
Linguistics

Projects

Customer Experience Analysis

- Conducted exploratory data analysis (EDA) on call data to identify patterns and trends.
- Integrated data from multiple sources including call logs, network performance data, and customer feedback.
- Developed visualizations to communicate insights and findings to stakeholders effectively.
- Collaborated with cross-functional teams to implement solutions aimed at reducing call drops.

KPI Dashboard Construction

- Identified key performance indicators (KPIs) relevant to product team business objectives and strategies.
- Gathered and integrated data from disparate sources.
- Implemented data preprocessing techniques such as cleaning, transformation, and aggregation to ensure data quality.
- Designed and implemented a data pipeline to automate the extraction, transformation, and loading (ETL) process.
- Developed dashboards and reports to present KPIs in a visually appealing manner to key stakeholders.
- Conducted regular audits and validations to ensure the accuracy and consistency of KPI data.

Customer Retention Cohort Analysis

- Calculated retention rates for each cohort over time periods.
- Conducted survival analysis to determine the likelihood of customers staying with the company over time.
- Utilized statistical testing techniques to identify significant differences in retention rates between cohorts.
- Developed predictive models to forecast future retention rates and identify potential churn risks.
- Collaborated with marketing and customer service teams to develop targeted retention strategies based on cohort analysis insights.

Relevant Work Experience

Adjunct Mathematics Faculty • University of North Texas
January 2024 – Present • Denton, TX

Adjunct Statistics Instructor • Texas Woman's University
August 2023 – Present • Denton, TX

Senior Data Scientist • Dish Network
May 2023-August 2023 • Littleton, CO