Chloe Wright

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Projects

Medical Cost Prediction | *R, Kaggle*   **November 2024 – December 2024**
- Designed a linear regression model to predict medical costs with 97% accuracy using a dataset of 10,000 records, incorporating features like age, BMI, smoking status, and region
- Conducted exploratory data analysis (EDA) to uncover trends and correlations, identifying key predictors of medical costs with statistical measures
- Clarified data by imputing missing values, scaling features for consistency, and encoding 4 categorical variables, enhancing model performance by reducing bias and variance
- Evaluated model performance using metrics such as RMSE (294), R-squared (0.97), and residual plots to validate predictive accuracy and minimize errors
- Developed visualizations and actionable insights with R and ggplot2, including cost distribution plots, feature importance charts, and predictive comparisons, improving interpretability

DoorDash Delivery Time Prediction | *R, Kaggle*   **September 2024 – December 2024**
- Composed a predictive model for DoorDash delivery times using machine learning techniques, achieving 2nd place out of 15 participants with an RMSE of 15.0143
- Demonstrated data cleaning on a dataset with 5,000+ rows to ensure consistency, categorizing and organizing data into relevant groups for efficient analysis
- Conducted exploratory data analysis (EDA) to identify key trends and variables, using statistical summaries and visualizations
- Implemented cross-validation and developed single and multiple linear regression models, demonstrating expertise in predictive modeling and performance optimization

Work Experience

110 Grill   **March 2023 – Present**
Server   *Manchester, NH*
- Manage multiple tables efficiently while maintaining high service standards and positive guest experiences during peak dining hours
- Coordinate effectively with kitchen staff and service team to ensure accurate and timely food delivery in a fast-paced environment
- Maintain comprehensive knowledge of menu items, seasonal specials, and allergen information to provide informed recommendations and ensure guest safety
- Handle cash transactions and credit card payments accurately while maintaining balanced drawer counts
- Demonstrate strong multitasking abilities and adaptability while maintaining professional composure in a high-volume restaurant setting

Leadership

President, Pi Mu Epsilon   **August 2024 – Present**
Mathematics Honors Society   *SNHU*

Mathematics Major Ambassador   **August 2024 – Present**
Southern New Hampshire University   *Manchester, NH*
- Organize and host monthly events with the intention of getting underclassmen involved in the major and with the faculty

- Send out weekly personalized newsletters to all mathematics students and faculty keeping them informed of events and opportunities, etc

Education

Southern New Hampshire University   **Aug. 2021 – April 2025**
Bachelor of Arts in Mathematics   *GPA: 3.3*

Technical Skills

Languages: Python, R, SQL, C++