Wyatte C. Hooper

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linkedin.com/in/wyatte-hooper | github.com/Math-Wise/Portfolio | kaggle.com/wyattehooper13

Summary: Highly motivated and adaptable teacher transitioning to Data Science career, leveraging strong analytical skills and passion for problem-solving. Proven track record of success in education, including developing data-driven strategies to personalize learning and increase student engagement. Skilled in Python, Power BI, SQL, and eager to translate analytical abilities to solve real-world problems in the data science field.

Education:

- **Post Graduate Program in Data Science and Business Analytics** (Current GPA: 4.33)
  - The University of Texas, McCombs School of Business
  - Completed 7 courses in Python, Data Analysis, Statistics and Machine Learning
  - Completed 8 projects to demonstrate mastery of topics taught.
    - https://eportfolio.mygreatlearning.com/wyatte-hooper
  - Expected May 2024
- **Masters of Art in Mathematics** (GPA: 3.86)
  - California State University, Fullerton
  - Completed course work in combinatorics, statistics, discrete mathematics, analysis, topology and ect.
  - Awarded a Teaching Associate position
  - Awarded The Kathryn Godshalk Memorial Scholarship
  - Participated in independent studies, research and the Faculty Learning Community
  - Published a peer-reviewed article in the "Journal of Humanistic Mathematics"
    - scholarship.claremont.edu/jhm/vol11/iss2/21/
- **Bachelor of Science in Mathematics**
  - Corban University

Certificates:

- **Kaggle: Intermediate Machine Learning,** Dec 2023
- **Microsoft Certified: Power BI Data Analyst Associate**, Sept 2023
- **Google Data Analytics Certification**, Sept 2022

Projects:

- FoodHub Order Analysis using Python
  - Performed exploratory data analysis on data from a food aggregator company to draw actionable insights for the business. Related Skills: Exploratory Data Analysis, Univariate Analysis, Bi-variate Analysis, and Python
- E-news Express Project
  - This project assessed the effectiveness of a new landing page in gathering new subscribers using statistical analysis, a/b testing, and visualization. It also analyzed the dependence of conversion on the preferred language.
  - Related Skill: Hypothesis Testing, A/B Testing, Data Visualization, and Statistical Inference

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- ReCell
  - Analyze the used devices dataset, build a model which will help develop a dynamic pricing strategy for used and refurbished devices, and identify factors that significantly influence the price.
  - Related Skills: EDA, Linear Regression, Linear Regression Assumptions Testing, and Business Insight and Recommendations
- Exploratory Data Analysis of TSIA 2.0 Scores
  - TAnalyzed TSIA exam data for Austin Achieve High School using Python. Identified trends between student groups, students likely to pass with a retake, and missing scores. Made recommendations to leadership to improve scores.
  - Related Skills: Python, Exploratory Data Analysis, Report Writing, and Presentations
- Housing Price Predictor using XGBoostRegressor
  - Completed multiple certificates on Kaggle.com and competed in the "Housing Prices Competition for Kaggle Learn Users," scoring 453rd out of 91,649 entries. This was accomplished by cleaning the given data, performing feature engineering, and carefully tuning the hyperparameters for XGBoost.

Work Experience:

- **Math Teacher** at Austin Achieve Public School (AAPS) (2021 to 2024)
  - Taught the first offering of AP Calculus and OnRamps College Algebra at AAPS
  - Taught students AP Statistics to student returning from distant learning
  - Created Excel sheets to track and report student mastery of AP Calculus objectives that gave the students reports with customized reviews.
  - Designed the scope and material for AP Stats, AP Calculus, College Algebra and Algebraic Reasoning to fit the objectives in the CED and TEKS.
  - Initiated and completed a project to analyze students' performance on the TSIA 2.0 exam and provided feedback focused on identifying areas of low performance and suggest methods to improve student understanding.
  - Increased the percentage of students who earned college math credit from 0% to 38% within two years, demonstrating the effectiveness of data-driven instruction.
- **Adjunct Professor** at Corban University (2020 to 2021)
  - Taught online and hybrid courses in contemporary math, college algebra, precalculus.
  - Assisted a professor teaching hybrid courses by managing the zoom call.
- **Teaching Associate** at California State University, Fullerton (2018 to 2020)
  - Assisted a professor teaching College Algebra for two semesters, while taking on increasing responsibilities within the classroom.
  - Taught College Algebra and Calculus II.
  - Participated in peer learning cohort and the faculty learning community