

# Wyatte C. Hooper

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**Summary:** Versatile teacher with a history of implementing data-driven methodologies to optimize learning outcomes. Proficient in Python, Power BI, and SQL, adept at synthesizing complex information into actionable insights. Transitioning to a data science role, poised to leverage strong analytical acumen and a passion for problem-solving. Excels in adapting to new challenges, with a proven track record of success in developing innovative strategies to drive results and enhance student engagement.

## Skills:

- **Python:** Leveraged python for mathematical modeling in research, completed a program in statistical programming and machine learning, and created mathematical animation.
- **SQL:** Developed strong SQL skills through the Google Data Analytics Certificate, a Udemy course, Kaggle certificates, and extensive practice on HackerRank.com.
- **Power BI:** Gained proficiency in Power BI by preparing for and passing the PL-300 certification, by completing projects in data processing, creating visualizations and reports.
- **Machine Learning:** Cultivated through a postgraduate certificate program, projects, Kaggle competitions and certificates, and extensive independent learning.

## Education:

- **Post Graduate Program in Data Science and Business Analytics**
  - The University of Texas, Austin, TX
  - Oct 2023 - May 2024
  - GPA: 4.33/4.33
- **Masters of Art in Mathematics**
  - California State University, Fullerton, CA
  - GPA: 3.86/4.0
- **Bachelor of Science in Mathematics**
  - Corban University, Salem, OR

## Certificates:

- **Kaggle Certificates**
  - Completed Kaggle certificates in machine learning, feature engineering, and SQL. Demonstrated expertise in data processing, optimization, regression, and classification.
- **[Microsoft Certified: Power BI Data Analyst Associate](#)** (Sept 2023)
  - Completed the Microsoft PL-300 exam and coursework, gaining expertise in using Power BI to transform, model, visualize, and analyze data for actionable business insights.
- **[Google Data Analytics Certification](#)** (Sept 2022)
  - Completed the Google Data Analytics Professional Certificate, mastering data analysis tools (Excel, SQL, R), data visualization techniques, and effective presentation of data insights.

## Projects:

- **Advanced Regression Techniques for House Prices**
  - Utilized python for exploratory data analysis (EDA). Analyzed features and the sale price using visualization and calculating the mutual information scores.
  - Implemented a custom function to automate feature visualization and mutual information calculation, enhancing efficiency and facilitating data understanding.
  - Performed meticulous missing value imputation based on the data description document and other related variables.
  - Employed a combination of target encoding and one-hot encoding for categorical features, informed by mutual information scores and number of unique values.
  - Developed and evaluated multiple regression models. Tuned hyperparameters for optimal model performance getting a RMSE of \$13,049.
  - Demonstrated strong data manipulation, feature engineering, model building, and evaluation skills using industry-standard Python libraries and techniques.
- **Introducing Data Drive Decisions to AAPS**
  - Spearheaded a project to enhance data utilization at Austin Achieve Public Schools (AAPS), improving outcomes and streamlining processes across various initiatives.
  - Developed a mastery tracker using spreadsheets, enabling monitoring of student progress and personalized learning resources based on identified weaknesses.
  - Built predictive models that achieved 85% accuracy in forecasting student performance on the AP Calculus exam, facilitating targeted interventions.
  - Conducted in-depth analysis of TSIA 2.0 exam data using Python, generating insights on student performance, pass rates, and potential areas for improvement.
  - Identified logistical improvements for exam administration, providing actionable recommendations to streamline processes and enhance the student experience.
  - Initiated a data-driven review of the math department's course offerings, leveraging STAAR data and personal insights to identify gaps in student preparedness.
  - Uncovered a significant percentage of students lacking foundational skills for advanced math classes, leading to poor performance and course disruption.
  - Collaborated with school leadership to develop targeted support strategies, curriculum adjustments, and decision-making around student course placement.

## Work Experience:

- **Math Educator** at AAPS, Corban University and California State Fullerton (2018 - present)
  - Instructed Algebraic Reasoning, Contemporary Mathematics, College Algebra, Precalculus, AP Calculus, Calculus II, and AP Statistics.
  - Achieved a remarkable 38% increase in students earning college math credit at AAPS within three years, demonstrating the efficacy of data-driven pedagogy.
  - Strategically aligned curriculum for AP Stats, AP Calculus, College Algebra, and Algebraic Reasoning with CED and TEKS objectives, optimizing learning outcomes.
  - Developed innovative instructional strategies tailored to the online format, enhancing student comprehension and participation in complex mathematical concepts.
  - Engaged in a peer learning cohort and faculty learning community, fostering professional development and collaboration to enhance teaching effectiveness and student outcomes.