Hannah Sutton - Data Analyst

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Projects

Uber Ride Data Project - Cleaning, Analyzing, and Modeling in Python's Numpy and Pandas Libraries   Click Here for the Full Project (GitHub)

- Cleaned and prepared large-scale Uber ride booking dataset by handling missing values, removing duplicates, and validating data integrity in pandas and numpy libraries

- Conducted exploratory data analysis and developed visualizations to uncover trends in ride demand, pricing, and seasonal patterns

- Applied machine learning techniques for predictive modeling (regression, classification, clustering) to forecast ride demand and analyze booking value drivers

- Documented process and results in GitHub with reproducible scripts, visualizations, and insights for portfolio presentation

Emergency Management Dashboard – Storm Resource Allocation Click Here for the Interactive Dashboard (Tableau Public)

- Developed an interactive dashboard for the Pennsylvania Emergency Management Agency (EMA) to analyze storm events, damage severity, and resource needs.

- Implemented drill-down and drill-through functionality for county-level and storm-type analysis, improving stakeholder accessibility and situational awareness.

- Delivered recommendations on monetary reserves and allocation of standby emergency resources based on year-over-year financial and storm damage trends.

Power BI Decision Model – MLB Wins Analysis   Click Here to Read the Full Project (PDF)

- Built interactive dashboards using Power BI with advanced data cleaning and regression analysis.

- Designed a structured analysis framework comparable to test case design, validation, and reporting on KPIs.

Enterprise Data Management Plan – Third Star Financial   Click Here to Read the Full Project (PDF)

- Developed logical and conceptual data models to improve governance and data quality.

- Delivered roadmap supporting requirements gathering, cross-team collaboration, and documentation standards.

Certifications

- Certificate in SQL Competency – LearnSQL.com (May 2025)

- Power BI Reports and Dashboards – AICPA (Apr 2025)

Education

Master of Science - Data Analytics

Southern New Hampshire University 2025-2026

- 3.72 GPA

- 3x Honor Roll

- National Society of Leadership and Success Nominee

- Active member of CodingUnited club

Bachelor of Arts - Mathematics

Southern New Hampshire University 2021-2024

- 1x Honor Roll

- Early graduate

Skills

Languages/Tools: SQL, Python (pandas, numpy), R, Excel, Power BI, Tableau, MATLAB

Soft Skills: Communication, Critical Thinking, Stakeholder Collaboration, Problem-Solving

Experience

Long-Term Substitute Teacher

Laurel Highlands School District – Uniontown, PA (Sep 2024 – Jun 2025)

- Collected, tracked, and interpreted quantitative and qualitative performance data.

- Collaborated with cross-functional teams (teachers, parents, administrators) to align requirements and outcomes.

Manager

Bootleggers' Bar & Grille – Uniontown, PA (Sep 2023 – Sep 2024)

- Monitored KPIs and business metrics (sales, labor, inventory), creating actionable reports to improve operational efficiency.

- Directed teams in high-pressure environments, ensuring compliance with standards and quickly resolving issues—skills transferrable to defect resolution and change requests.