

Hannah Sutton

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Projects

Uber Ride Data Analysis & Modeling - Python, Pandas, NumPy, scikit-learn, Matplotlib [Click Here for the full project \(GitHub\)](#)

- Cleaned and validated Uber ride dataset, handled missing values, removed duplicates, and verified data integrity
- Conducted exploratory data analysis and correlation testing, confirming no significant linear relationships between numeric variables
- Built and evaluated a logistic regression model to test whether vehicle type (Sedan vs. others) predicts high-value bookings, using stratified train/test splits and ROC curve analysis
- Documented end-to-end workflow (EDA → feature engineering → modeling → evaluation) with reproducible Python scripts and visualizations for portfolio presentation

PA Emergency Management Dashboard Project – Storm Resource Allocation Dashboard and Analysis in Python [Click Here for the Full Project \(GitHub\)](#)

- Built a Tableau dashboard for Pennsylvania EMA to visualize storm patterns and resource allocation
- Applied Python for data cleaning and analysis to support emergency planning decisions
- Delivered insights tailored to executives, field teams, and the public via dashboard, presentation, and pamphlet
- Focused on clear, accessible visual storytelling to enhance preparedness and budget strategy

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 graudate

Skills

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

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

Experience

IT Department Intern

Laurel Highlands School District - Uniontown, PA (Sep 2024- June 2025)

- Collaborated with network and tech administrators to troubleshoot IT issues effectively.

- Assisted in data migration and system upgrades, enhancing overall operational efficiency.
- Supported the setup and deployment of new computers, improving user experience across the organization.

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.