

# Hannah Sutton

## 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

### **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 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.