

# 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 graudate

## **Skills**

**Languages/Tools:** SQL, Python, 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.