Hannah Sutton

724.963.5826 | hsutton518@outlook.com | www.linkedin.com/in/hannah-1-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

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.