

Hannah Sutton

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Projects

Uber Ride Data Analysis & Modeling - Python, Pandas, NumPy, scikit-learn, Matplotlib View the full project on GitHub

Analyzed Uber ride data to identify booking trends and inform vehicle strategy:

- Ensured data integrity through rigorous cleaning, validation, and de-duplication
- Conducted exploratory analysis and statistical testing to assess variable relationship
- Built a logistic regression model to evaluate the impact of vehicle type on high-value bookings, using stratified sampling and ROC curve diagnostics
- Delivered a reproducible analytics pipeline with clear documentation and visual outputs for stakeholder review

PA Emergency Management Dashboard Project – Storm Resource Allocation Dashboard and Analysis in Python View the full project on GitHub

Developed a data-driven dashboard for Pennsylvania EMA to support emergency response planning:

- Designed and deployed a Tableau dashboard to visualize storm activity and resource distribution
- Applied Python-based data cleaning and analysis to enhance operational readiness
- Presented tailored insights to executives, field teams, and public audiences through multi-format deliverables
- Prioritized clarity and accessibility to support strategic budgeting and preparedness initiatives

Power BI Decision Model – MLB Wins Analysis View the full project here (PDF)

Built a performance analytics model to evaluate team success factors in Major League Baseball:

- Developed interactive Power BI dashboards with advanced data transformation and regression modeling

- Structured the analysis to align with business testing frameworks, including KPI validation and scenario reporting
- Enabled data-driven decision-making through intuitive visualizations and executive-ready summaries

Enterprise Data Management Plan – Third Star Financial [View the full project here \(PDF\)](#)

Created a comprehensive data governance plan to improve enterprise data quality and collaboration:

- Designed logical and conceptual data models to support scalable architecture and compliance
- Delivered a strategic roadmap for cross-functional alignment, documentation standards, and stakeholder engagement
- Positioned data as a core asset by aligning technical structure with business requirements

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.