

Kevin Miller

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https://kmiller999.github.io/ds_portfolio/

Data Analyst

Detail-oriented Data Analyst with 4 years of experience analyzing diverse data sources and automating workflows to improve efficiency. Currently serving as a Data Quality Specialist, identifying and resolving data quality issues for stakeholders. Skilled in data mining and process automation, with a focus on expanding expertise in these areas.

WORK EXPERIENCE

Data Quality Specialist • Full-time

Centralized Supply Chain Services, LLC

08/2024 - Present

- Designed 10 Power Automate flows to assess SQL and Excel data against quality standards, automating stakeholder notifications to streamline issue resolution
- Developed a dynamic Power BI dashboard integrating SQL queries to visualize data quality metrics, imported files, and pipeline schedules, enhancing visibility and tracking
- Merged SQL and SharePoint data in Microsoft Fabric through ETL processes (e.g., dataflows, pipelines), establishing strategic use cases for company-wide adoption
- Collaborated with cross-functional teams to implement workflows that automated data processing and stakeholder notifications, improving visibility and efficiency

Graduate Research Assistant

Department of Psychology, University of Nebraska-Lincoln

08/2021 - 07/2023

- Led data modeling initiatives for research lab, monitoring study progress and aiding research funding pursuits
- Collaborated with academic advisor to implement and document a Linux-based brain imaging data processing pipeline within 6 months of joining the lab
- Reduced data integrity errors and manual file organization time by 60% following implementation of flexible code in brain imaging data processing Linux scripts

PROJECTS

Metal Subgenre Pairings (https://github.com/kmiller999/metal_subgenre_pairings)

- Web scraped over 100,000 band entries from Encyclopaedia Metallum and parsed genre field in a SQLite database to represent bands by 16 unique component subgenres
- Mined subgenre association rules using market basket analysis and visualized key findings using a Tableau dashboard

SKILLS

Programming Languages: Python (Pandas, Scikit-learn), R, SQL (SQL Server, PostgreSQL, SQLite), Linux

Automation and ETL: Power Automate, Microsoft Fabric, Web Scraping (BeautifulSoup, Selenium)

Data Reporting and Visualizations: Tableau, Power BI, Markdown and HTML Reports, GGplot2, Matplotlib, Seaborn

Machine Learning: Random Forest Models, Market Basket Analysis, Dimensionality Reduction (PCA)

EDUCATION

MS Data Analytics

Western Governors University

09/2023 - 05/2024

MA Psychology

University of Nebraska-Lincoln • GPA: 4.0

08/2021 - 08/2023

BS Psychology

Emporia State University • GPA: 3.98

08/2018 - 05/2021