Rachel Kocheran

Data Analyst

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📍 Nashville, TN

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Profile

From daily challenges to long-term projects, SQL scripting to database diving, the more complex the problem, the more I'm driven to succeed. Capitalizing on my experience in childcare and retail, I now invest in Data Analytics. With a natural penchant for creative solutions, I look forward to contributing to the dynamic and swiftly growing field of data exploration and visualization.

Skills

- SQL
- Python
- Tableau
- PowerBI
- Excel
- PowerPivot / PivotTables
- Git/GitHub
- ETL Process
- ER Models

Education

Data Analytics Certification
Nashville Software School

Bioinformatics, B.S.
University of California, Santa Cruz

Work Experience

Wild Birds Unlimited
Sales Associate   Jun 2020 - Sep 2022
- Operated/troubleshooted POS systems
- Assessed customer needs
- Maintained sales floor inventory

Nashville Pet Products
Key Holder   Jul 2019 - Jun 2020
- Performed opening/closing tasks
- Processed customer orders

Nature's Best Nursery
Retail Associate   Oct 2018 - Jun 2019

Self-Employed
Childcare Provider   Oct 2010 - Oct 2018

Data Analytics Experience

Nashville Software School   Sep 2022 - Jan 2023

Data Analyst Apprentice
Full-time bootcamp focused on data analytics fundamentals and problem solving. Incorporated real-world datasets and presentations of analyses to stakeholders.
- Analyzed data using Microsoft Excel, pivot tables and lookups, and connected to external data sources using the PowerPivot add-on
- Built and deployed dashboards using Tableau and PowerBI
- Performed exploratory data analysis using Python's pandas library
- Created data visualizations using *matplotlib* and *seaborn*
- Gathered data through APIs and webscraping
- Performed geospatial analysis using *geopandas* and *folium*
- Retrieved and analyzed data using PostgreSQL and *sqlalchemy*
- Source code version control with Git/GitHub
- Project management/tracking with GitHub project boards and issue tracking

Projects

What's In Your Air? A Comparative Study of Nashville's Air Quality
Analyzed air quality trends across the US with a focus on Nashville to determine differences in pollen varieties and levels of airborne particulate matter.
  Skills employed: *Tableau, Python, Jupyter Notebooks, Anaconda, Microsoft Excel*

Project FeederWatch Observations for Tennessee
Analyzed citizen-scientist observation data from Project FeederWatch to determine songbird migration and participant submission patterns in Tennessee.
  Skills employed: *Tableau, SQL, PostgreSQL, pgAdmin*

App Trader Analysis
Analyzed mobile app data to develop recommendations as to price range, genre, content rating, etc. for apps to be targeted by App Trader.
  Skills employed: *SQL (CTEs, Joins, Window Functions), PostgreSQL, pgAdmin, Microsoft Excel (LOOKUPs)*

Statistical Analysis of the Lahman Baseball Database
Performed exploratory analyses on the Lahman Baseball database to determine player, team and managerial statistics.
  Skills employed: *SQL (CTEs, Subqueries, Joins, Window Functions), PostgreSQL, pgAdmin, ERDs*

Analysis of TN Medicare Part D Prescriber and Prescription Data
Explored medical provider, prescription, medication and county-level data using PowerBI and SQL to calculate various prescription statistics.
  Skills employed: *PowerBI, SQL, PostgreSQL, pgAdmin, ERDs*