OZAN OZBEKER

linkedin.com/in/OzanOzbeker/ | OzanOzbeker.io

Data Analytics & Consulting

As a data science consultant, I have managed end-to-end client projects in the replacement parts business, supporting key decision-making processes. This involved thorough requirements gathering, data integration from multiple sources, and the creation of insightful reports and dashboards to enhance decision-making and strategy formulation. Additionally, I automated internal workflows with SQL queries and formed cross-functional teams to assess and manage SKUs, ensuring effective inventory management through monthly reviews and automated reports.

In previous roles, I have focused extensively on Excess and Obsolete (E&O) inventory, developing automated workflows and comprehensive SQL queries to analyze and manage inventory. This includes automating the ETL process to align with company policies. My role has involved significant cross-departmental collaboration, working with finance, procurement, logistics, sustaining engineering, and product management to establish standardized workflows and create teams for monthly reviews of E&O inventory.

I have extensive experience presenting to clients. This includes managing comprehensive data projects from requirements gathering to presenting results, conducting detailed client interviews, and delivering clear, actionable presentations. Internally, I have worked closely with various business functions to meet data pipeline and dashboard requirements, presenting findings to Director and VP-level stakeholders.

Core Competencies

I am highly proficient in R within a professional setting, with a strong emphasis on the Tidyverse, Tidymodels, and related packages. My role as a "full-stack" data scientist involves managing the entire data science process framework, encompassing Import, Tidy, Transform, Visualize, Model, and Communicate stages.

Import (& Data Management):
- Data Sources: Extensive experience importing from databases, spreadsheets, web scraping, and APIs.
- Database Connections: Accessing client data through SQL Server, PostgreSQL, and SAP HANA.
- Web Scraping and Automation: Creating and automating scrapes and API calls for data collection from services like Amazon and Walmart. Using Selenium to automate browsers and bypass bot detection.
- Recent Tools: Working with DuckDB for local data analysis and storage, though it is less frequently needed due to ample memory on work servers.
- Data Management: Managing PostgreSQL databases for clients, including data modeling and management.

Tidy & Transform:
- Data Wrangling: Extensive experience in focusing on grouping, filtering, and summarizing data.
- Data Tidying: Transforming data by pivoting and converting data types (e.g., strings to dates, floats).
- Regex Expertise: Skilled in using regular expressions for data cleaning and manipulation.
- Visualize:
- Exploratory Data Analysis: Frequently use {ggplot2} and its extensions for data visualization.
- Client Preferences: While initial exploration and cleaning are done in R, clients prefer Tableau or other BI tools for final dashboards.

Model:
- Forecasting and Classification: Professional experience in forecasting with linear regression models and classification with support vector machines and recommendation engines for pricing.

Communicate:
- Automated Reports: Building automated reports for clients to support financial decision-making, including dashboards and executive reports.
- Customization: Using HTML and CSS to customize and enhance the visual appeal of reports.

Programming:
- Functional Programming: Using the {purrr} package for mapping functions and other utilities within the Tidyverse framework.
- Version Control: Incorporating Git and GitHub into workflows and managing project structure.