

Nicole Rouleau

nicole.r.rouleau@gmail.com | nicolerouleau.github.io

SKILLS

- **Data Analysis & Programming:** SQL, Python, R, Excel (Pivot Tables, Dashboards), STATA, MATLAB, Jupyter Notebook
- **Data Visualization:** Tableau, Power BI, ggplot2, matplotlib, Pandas
- **Business Systems & Automation:** Smartsheet (Forms, Automations, Dashboards), WebTMA, MetaBIM, DocuSign, Google Forms, API Integrations
- **Tools & Platforms:** Microsoft Office Suite, Google Workspace, Git, CRM Systems, Kamiak HPC
- **Statistical & Analytical Methods:** A/B Testing, Regression Analysis, Forecasting, PCA, Data Warehousing

PROJECTS

Japan Influenza Surveillance Analysis (2025)

Python, Jupyter Notebook, Excel

- Built a reproducible Python analysis pipeline for weekly influenza surveillance data, incorporating data cleaning, temporal alignment, growth-rate metrics, and geospatial visualization to support retrospective public-health analysis.

U.S. Policy & Consumer Behavior in Electric Vehicles (2022)

Stata, LaTeX, Tableau

- Master's thesis analyzing the relationship between policy and the market growth of battery electric vehicles in the United States from the years 2018-2020.
- In this process: data mining, data cleaning, Tableau, and STATA were used extensively for regression analysis and data visualization.

Promotional Pricing & Revenue Analysis (2024)

R, Excel, RMarkdown, GitHub

- Analyzed a multi-table grocery sales dataset in R, performing data cleaning, feature engineering, and SQL-style joins to unify sales, customer, and product information.
- Built an XGBoost forecasting model and performed PCA-based customer segmentation, visualizing key insights and deploying results via RMarkdown and GitHub Pages.

EXPERIENCE

Business Systems Analyst

San José State University – Facilities development & Operations (FD&O) | July 2025 - Present

- Own enterprise data systems (WebTMA, MetaBIM, Smartsheet), managing users, data quality, reporting, and dashboards across Facilities operations.
- Built automated Smartsheet workflows for EH&S permitting, enabling digital intake, logic-based approvals, and automated DocuSign/PDF outputs.
- Designed standardized forms, dashboards, and workflow templates, improving data consistency, visibility, and operational efficiency.
- Created executive-facing dashboards and reports and led a MetaBIM–WebTMA API integration to improve asset data connectivity.

Manager

Marine Layer | June 2022 - December 2024

- Improved operational efficiency by 30% and exceeded sales forecasts by 15% through KPI analysis and Excel-based reporting.
- Translated sales and operational data into insights to inform staffing, inventory, and merchandising decisions.
- Led cross-functional initiatives and maintained reporting accuracy in a fast-paced environment.

EDUCATION

Master of Science in Applied Economics

Washington State University; Pullman, WA

Bachelor of Science in Economics, Minor in Applied Mathematics & Dance

Loyola Marymount University; Los Angeles, CA