Data Analyst | Data Scientist

KEVIN JONATHAN ROTTY

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Bandung, Indonesia

Education

BACHELOR OF SCIENCE IN DATA SCIENCE – Telkom University – Bandung, Indonesia
September 2023 - Present (Completed 4 semesters)
GPA: 3.78 / 4.00

Technical Skills

- Python (Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, Tensorflow)
- SQL (MySQL, MySQL Workbench)
- Excel (Pivot Table, VLOOKUP, HLOOKUP, XLOOKUP)
- Tableau

Soft Skill

- Effective Public Speaking
- Strong Presentation Skill
- Collaborative Teamwork
- Structured and Detail-Oriented Work Style

Projects

SALES ANALYSIS DASHBOARD (COFFEE BEAN CO.) – Personal Project **–** Bandung, Indonesia **June 2025 | Repository**

- Designed an Excel-based sales analytics dashboard for a coffee company using sales data from 2019–2022
- Integrated multiple raw data sources (Customers, Products, Orders) into a clean working sheet using XLOOKUP and IF formulas
- Built dynamic PivotTables and interactive dashboards using slicers to filter by product type, year, and country
- Generated business insights on sales trends, product performance, and customer segmentation for strategic decision-making
- Tools: Microsoft Excel, XLOOKUP, IF, PivotTable, Slicer, Chart Design

MULTIPLE LINEAR REGRESSION – Personal Project **–** Bandung, Indonesia **May 2025 | Repository**

- Developed a multiple linear regression model from scratch using python to predict crude oil prices using global energy indicators
- Developed core regression algorithm manually without relying on specialized regression libraries (e.g., statsmodels, sklearn)
- Implemented stepwise selection (forward and backward combination) to identify the most relevant predictors
- Applied statistical metrics such as Adjusted R^2, and p-values to evaluate and validate the model performance
- Visualized model diagnostics (residual plot, multicollinearity check, etc.) using matplotlib and seaborn

TITANIC SURVIVOR ANALYSIS – Personal Project **–** Bandung, Indonesia **June 2025 | Repository**

- Conducted exploratory data analysis on the Titanic dataset to investigate survival patterns across various passenger attributes
- Applied advanced data visualization using matplotlib, seaborn, plotly, and missingno
- Handled missing values, performed distribution checks, outlier detection (non-treated), and correlation analysis for numeric features
- Utilized automated EDA tools (ydata-profiling, AutoViz) to accelerate data profiling and feature exploration
- Created interactive dashboards and bubble plots to reveal trends

ASTRONOMY OBJECT CLASSIFICATION APP – Team Project **–** Bandung, Indonesia **May 2025 | Repository | App**

- Built a web-based data science application to classify celestial objects (Star, Quasar, Galaxy) using the SDSS dataset
- Focused on developing the data input interface: enabled users to upload CSV files or manually input astronomical data (with specific features)
- Implemented input validation to ensure numeric range compliance (0–360,000) and completeness of required features
- Deployed the application using Streamlit and documented the entire development process on GitHub
- Tools: Python, pandas, scikit-learn, matplotlib, seaborn, Streamlit, GitHub