DINDA RARASWATI
Data Analyst

Bekasi, Indonesia | dindararaswati@gmail.com | +6285717277504 | Linkedin | Github | Tableau

SUMMARY

Junior Data Analyst with practical experience in SQL, Python, and BI tools for reporting and performance monitoring. Applied analytics in academic research and personal projects, including dashboard development and predictive modeling. Experienced in research and cross-functional collaboration, with strong communication skills to translate complex data into actionable business insights. Currently expanding skills in cloud technologies (AWS). Eager to apply analytical expertise and grow within a dynamic, data-driven business environment.

EDUCATION

KYOTO UNIVERSITY   Kyoto, Japan
Master of Agricultural Science   2021 – 2023
GPA : 3.00/3.00
- **Relevant Coursework** *:* Agricultural Systems Engineering
- Thesis : Prediction of land suitability for soybean production using **time series models on weather and land cover data**
- Attended and presented an oral presentation at an international conference on agriculture
- MEXT Awardee

BANDUNG INSTITUTE OF TECHNOLOGY (ITB)   Bandung, Indonesia
Bachelor of Science in Agricultural Engineering   2016 – 2020
GPA : 3.79/4.00
- **Relevant Coursework** *:* Statistics for Agriculture, Introduction to Information Technology B
- Thesis : Quantification in The Change of Total Nitrogen in Soil and Plant Tissue of Black Soybean (*Glycine soja* L.) Detam 1 during The Cultivation in The Field
- Awards : Most Outstanding Student of Agricultural Engineering, Top 3 Most Outstanding Student of School of Life Science and Technology, and Rector's list of Best Agricultural Engineering Student
- Worked as a lecturer's project assistant and laboratory assistant coordinators for three courses

DIBIMBING.ID   Remote
Data Science Bootcamp   April 2025– present
- Learn about fundamental concepts of data science and business understanding
- Technical Skills : Python, SQL, BI tools (Power BI, Tableau), Data Mining, A/B Testing, ETL
- Business Knowledge : Cohort Analysis, Funnel Analysis, Business/Product Strategy Basics, Customer Segmentation

WORKING EXPERIENCE

Wageningen Food Safety Research   November 2023 – August 2025
Junior Researcher
- Developed data preprocessing pipeline in Python to clean, transform, and prepare large datasets (>300,000 records) for machine learning models
- Analyzed and visualized **mycotoxin contamination trends** in European grains, supporting decision-making in food safety and trade
- Utilized Google Earth Engine and Python to extract and process Sentinel-2 spectral indices, integrating them with wheat phenology data for enhanced analysis
- Authored clear reports and technical documentation for scientific publications and stakeholders

Eftax Co.,Ltd   February 2022 – March 2022
Data Science Intern
- Developed a structured crop database covering 5+ crops, documenting growth stages and management practices to enable data-driven agricultural analysis
- Worked closely with other intern to design and apply linear programming, optimizing home gardening plans

Project Assistant
- Collected and analyzed data on coffee production and climate data across 20+ provinces, identifying key risks to Indonesia's coffee industry
- Conducted a literature review of 10+ studies on climate impacts on the coffee production
- Co-developed a GIS-integrated vulnerability index in collaboration with an agricultural expert and a GIS specialist, combining multiple datasets to provide stakeholders with actionable risk insights
- Co-authored project documentation and contributed to reports used in government-level stakeholder discussions (Indonesia and Japan)

DATA SCIENCE PROJECTS

A/B Testing for Landing Page Designs – Python
- Performed hypothesis testing on three landing page designs (Vibrant, Heat, and Cold), revealing that **Cold design achieved the highest conversion rate (18.08%)** compared to Vibrant (12.13%) and Heat (15.17%)
- Performed hypothesis testing on different marketing channels, revealing that **Social Media has a significantly lower conversion rate (14.45%) compared to Paid channel (15.68%)**
- Delivered data-driven insights via PowerPoint presentation tailored for business audiences

Customer Churn Prediction (Classification) – Python
- Developed predictive classification models (Random Forest, Decision Tree, XGBoost) with SHAP for model interpretation
- **Achieved best performance with XGBoost**, reaching 0.89 precision and recall on test data
- Identified key churn drivers, including transaction frequency and amounts in the past 12 months, and total funds used in a single period, providing actionable insights for retention strategies

Superstore Performance Analysis (Data Visualization) – Streamlit, Tableau, Power BI
- Built interactive dashboards to monitor sales KPIs, profitability, and customer segmentation
- Conducted **RFM analysis to provide actionable business insights**
- Automated report generation and deployed insights via Streamlit for real-time stakeholder access.

SKILLS

Programming & Querying: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Plotly), SQL
Business Intelligence Tools : Tableau, Power BI, Excel (Advanced), Streamlit
Data Analytics: KPI Analysis, Data Preprocessing, Data Pipeline Development, Dashboard & Reporting, Feature Engineering
Cloud & Tools : AWS (currently learning via online courses), GitHub
Soft Skills : Stakeholder Communication, Business Storytelling, Cross-functional Collaboration, Analytical Thinking, Problem-Solving
Language : Indonesian (Native), English (Professional Working), Japanese (Beginner)

COURSES/CERTIFICATIONS

- Neural Networks and Deep Learning, Coursera
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, Coursera
- The Complete SQL Bootcamp : Go from Zero to Hero, Udemy
- Introduction to Cloud Computing on AWS for Beginners, Udemy (On-going)