

# Aya Dewanti Sofia

dewantiaya@gmail.com | (+62) 815 6343 5325 | Sukabumi, Indonesia

## Summary

Analytical and detail-oriented professional seeking opportunities in Business Intelligence, Data Analysis, or Business Analysis. Passionate about leveraging data to generate strategic insights and support business decision-making. Continuously expanding expertise in advanced analytical tools, business intelligence frameworks, and problem-solving methodologies. Adept at critical thinking, statistical modeling, and cross-functional collaboration.

## Education

**Bachelor of Statistics Universitas Islam Bandung**

**September 2019 - July 2023**

GPA: 3.76/4.00

**Relevant Coursework:** Exploratory Data Analysis, Regression Analysis, Business Intelligence, Business Analysis (including trend analysis and forecasting), Data Mining (classification and clustering), Data Visualization, Database Management, Decision Support Systems.

## Technical Skill

- **Programming Languages:** Python (Advanced), Google Big Query (Intermediate), PostgreSQL (Intermediate), RStudio (Intermediate)
- **Dashboards:** Tableau (Intermediate), Power BI (Intermediate), Pivot Table (Intermediate), Google Looker Studio (Intermediate)
- **Tools:** SPSS, Microsoft Excel

## Bootcamp & Training

**MySkill - Data Analyst Bootcamp**

**Januari - March 2025**

- Intensive hands-on training covering fundamental concepts of data analysis.
- Applied statistical techniques to structured datasets provided within the bootcamp.
- Developed proficiency in Python and SQL for data extraction, cleaning, and transformation.
- Created visualizations using Google Looker Studio to present analytical findings.
- Practiced problem-solving methodologies, including PDCA (Plan-Do-Check-Act) and analytical thinking frameworks.
- Completed structured exercises and guided assignments focusing on exploratory data analysis (EDA) and descriptive statistics.

**Dbimbing - Business Intelligence Bootcamp**

**February - August 2025**

- Comprehensive training in Business Intelligence, data processing, and dashboard development.
- Developing proficiency in PostgreSQL, Tableau, and Power BI for data-driven decision-making.
- Engaging in hands-on projects involving data extraction, transformation, and visualization to create insightful business reports.
- Learning SQL query optimization, data modeling techniques, and best practices for business intelligence applications.
- Training in Python for data manipulation, automation, and business intelligence applications.

## Organization Experience

### **Korps Protokoler Mahasiswa Universitas Islam Bandung Staff of Public Relations Department**

**July 2021 - March 2023**

- Coordinated a virtual workshop that attracted around 300 participants.
- Worked with multiple university departments to organize events such as graduation ceremonies and partnerships with external organizations.

### **Himpunan Mahasiswa Statistika Universitas Islam Bandung General Secretary**

**October 2020 - July 2022**

- Managed administrative and secretarial tasks.
- Drafted and proofread official documents, proposals, and reports.

## Experience

### **Pengadilan Tata Usaha Negara Bandung Internship - IT Planning dan Reporting Department**

**July - August 2022**

- Presented summaries of non-parametric statistics for the judges at Pengadilan Tata Usaha Negara Bandung.
- Visualized the number of trial cases per year and the number of judges to evaluate their workload.

### **Bank Muamalat X Rakamin Academy Project-Based Virtual Intern: Business Intelligence Analyst**

**December 2024**

Completed various tasks related to Business Intelligence, including data analysis, data visualization, and database management.

## Project

### **Pengelompokan Kabupaten/Kota di Indonesia Berdasarkan Indikator Indeks Pembangunan Manusia pada Tahun 2022 Menggunakan K-Harmonic Means Clustering**

- Developed and implemented a K-Harmonic Means Clustering algorithm using RStudio.
- Analyzed disparities in human development across 514 districts/cities.
- Achieved 99.41% accuracy in cluster stability evaluation.

### **Hubungan Kesehatan Mental dengan Psychological Well-being pada Mahasiswa Statistika Universitas Islam Bandung**

- Designed and validated a research questionnaire.
- Conducted a validity test with all questions deemed valid.
- Demonstrated a correlation of 0.452 between mental health and psychological well-being.

### **Sales Performance Bank Muamalat x Rakamin Academy**

- Processed sales transaction data using Google BigQuery.
- Created a sales performance dashboard using Google Looker Studio, visualizing total sales and item sales across product categories and customer locations.

## Certificate

- Certificate of Competency with qualification as Data Analyst
- Mini Course RevoU: Intro to Data Analytics
- Project-Based Internship Rakamin: Business Intelligence Analyst

**May 2023**

**March 2023**

**December 2024**