Ahmad Hilmi

Jakarta, Indonesia | +6285172059693 | ahmadhilmi319@gmail.com | linkedin.com/in/ahmadhilmi319/

ABOUT ME
More Details

A motivated final-year Statistics student with a strong foundation in data analysis, statistical modeling, and machine learning.

PROFESSIONAL EXPERIENCE

Bappeda DKI Jakarta – Jakarta, Indonesia (June 2024 – August 2024)
Satu Data Indonesia Project

- Conducted data validation for 100+ government datasets to ensure compliance with national interoperability standards.
- Collaborated with 20+ departments to streamline data integration processes.
- Drafted technical documentation and project reports.

Public Relations and Information Office, Universitas Negeri Jakarta – Jakarta, Indonesia (November 2023 – November 2024)
Intern Staff – Public Relations Related Portfolio

- Provided public services and information about Universitas Negeri Jakarta.
- Created informative and engaging content on Universitas Negeri Jakarta's social media.
- Acted as MC, escort, and speaker at various events related to Universitas Negeri Jakarta, both on and off-campus.

Nurul Fikri – Jakarta, Indonesia (January 2024 – May 2024)
Freelance Mathematics Tutor

- Conducted mathematics tutoring sessions for elementary and middle school students.
- Assisted students in understanding and solving mathematical problems.
- Prepared students for exams and improved their academic performance in mathematics.

EDUCATION

Universitas Negeri Jakarta (August 2021 – present)
Bachelor of Statistics

- Acquiring expertise in statistical theory, quantitative analysis, and advanced methodologies (e.g., regression, hypothesis testing).
- Proficient in data processing, visualization, and analysis using tools such as Python, R, Excel, and SQL.
- Developing database management skills, including data cleaning, manipulation, and storage optimization.

ORGANIZATIONAL

Duta Universitas Negeri Jakarta (November 2023 – November 2024)
University Ambassador

- Represented Universitas Negeri Jakarta in various events and activities.
- Engaged in promotional activities to enhance the university's image.
- Achieved 3rd Runner-Up in Malam Grand Final dan Penganugerahan Duta Universitas Negeri Jakarta 2023.

PROJECT

Data Normalization (May 2025)
[Project Notebook: Normalization](#)

- Designed and implemented data normalization using Box-Cox Transformation.
- Visualized distribution shifts pre/post-normalization with Matplotlib/Seaborn.

Time Series Forecasting: IDR Exchange Rate (January 2025)
[Project Notebook: Forecasting](#)

- Provide a detailed exploration of exchange rate trends (USD to IDR).
- Analyze seasonality and cyclical patterns in the exchange rate using box plots to observe variations by year, month, and quarter.
- Implement predictive modeling using the XGBoost algorithm to forecast future exchange rates.
- Evaluate model accuracy using the Root Mean Square Error (RMSE) metric and perform error analysis to address prediction errors.

Twitter (X) Sentiment Analysis: PPN 12% (January 2025)
[Project Notebook: Sentiment Analysis](#)

- Use Python for data processing and sentiment analysis, leveraging libraries such as pandas, transformers, nltk, tqdm, and scipy.
- Scraping Twitter (X) data using tweet-harvest from Node.js package.
- Implement sentiment analysis using VADER and RoBERTa models to derive insights from the text data.

Hilmi's Portfolio Website (January 2025)
[Live Demo](#)

- Create a user-friendly and intuitive interface suitable for both web and mobile platforms.
- Implement HTML, CSS, and JavaScript programming language.
- Include links to my contact information, CV, and detailed descriptions of other projects.

Web-Based Application for Experimental Design (May 2023 – June 2023)
[Live Demo](#)

- Design and develop a user-interface for the application.
- Develop algorithms and logic to guide users through the process of creating experimental designs.
- Publishing the web-based experimental design application using the Shinyapps.io hosting service.

ACHIEVEMENT

Finalist of the Essay Competition (July 2023)
UNJ Smart Statistic (SMATIC) 4.0

- Write an essay of a minimum of 1200 words with the theme: Statistics as the Key to Optimizing the Integrated Data Revolution in 5.0 Era.

ADDITIONALS

Skills: Data Analysis, Sentiment Analysis, Time Series Forecasting, Data Visualization, Full-Stack Development, Database Management.
Programming Languages: R, Python, SQL, HTML, CSS, JavaScript, Node.js.
Programming Platforms: R Studio, VS Code, MySQL Workbench, Google Colab, GitHub, Kaggle.