DIKI WAHYUDI

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SUMMARY

I am a third-year student majoring in Statistics at Universitas Indonesia, where I have developed a dedicated and innovative approach to my studies. With a strong foundation in Statistics, I possess excellent analytical thinking and problem-solving skills. Skilled in data storytelling, I excel at simplifying complex information into actionable insights. I am deeply passionate about continuous learning and expanding my knowledge and experience to enhance my capabilities. Currently, I am seeking opportunities in data analytics, data science, and machine learning, using my background in statistics to make meaningful contributions.

EDUCATION

Universitas Indonesia   **Aug 2021–Present**
Bachelor of Statistics | Statistics   **Cumulative GPA: 3.81/4.00**
- **Course**: Have completed the course "The Fundamentals of Digital Marketing" created by Google Digital Garage.
- **Course**: Selected as a participant from 3495 applicants and having completed the Data Science Academy held by COMPFEST 15 BEM Fasilkom UI.

EXPERIENCE

Pojok Statistik Universitas Indonesia   **Feb 2024–Present**
Data Analysis Division Staff
- Providing offline services for BPS data requests and consultations related to statistical methods.
- Processing data to convert it into informative infographics and video content.
- Executing data processing for client projects.

Department of Mathematics, Universitas Indonesia   **Aug 2023–Present**
Teaching Assistant
- Providing learning assistance for Design of Experiments, Introduction to Multivariate Statistics, Nonparametric Statistics, Multivariate Statistics, and Time Series Analysis to enhance understanding of fundamental concepts and their practical application in relevant software/programming languages.
- Assessing students' assignments.

SKILLS

- **Programming Languages**: Python, R, SQL, LaTeX
- **Software**: Microsoft Office, Tableau

PROJECTS

- **Deep Learning Models in Identifying Sarcasm in News Titles** [GitHub Repository]   **2024**
  This study investigates the detection of sarcasm in news headlines using data from The Onion and HuffPost. Utilizing deep learning classification methods, including RNN, LSTM, GRU, and CNN, the research reveals that the Bi-LSTM and CNN models outperform others, achieving accuracies of 85.398% and 85.228% respectively.
- **Analysis of Open Unemployment Rates in North Sumatera Using Geographically Weighted Regression** [GitHub Repository]   **2024**
  Collaborated with a team to analyze the level of open poverty in North Sumatra in 2022 using the geographically weighted regression (GWR) approach. The GWR method enables understanding the spatial variability of factors influencing the level of open poverty in the region. The analysis results reveal significant spatial variations in poverty levels and factors that exert different influences in each geographical location.
- **Data Mining on House Data** [GitHub Repository]   **2023**
  Collaborated with a team to conduct data preprocessing and exploratory data analysis (EDA) on the property dataset to derive insights into the factor influencing house prices across various cities in Indonesia. Provide recommendations for areas that have high potential to become next branch offices and houses that have the potential to generate profits for the company.
- **Hoax Classification and Topic Modelling** [GitHub Repository]   **2023**
  Collaborated with a team to classify hoax documents with an accuracy of 84.96% using XGBoost and carry out topic modeling to find out general topics discussed in the data to gain insight.
- **Time Series Modelling on Electric Vehicles Dataset** [GitHub Repository]   **2023**
  Collaborated with a team to conduct exploratory data analysis (EDA) and $SARIMA(p,d,q)(P,D,Q)_m$ modeling on electrical vehicle dataset in United States to forecast the number of electrical vehicles of each county in the U.S. state of Washington in the future.

VOLUNTEERING

Himpunan Mahasiswa Departemen Matematika (HMDM) FMIPA UI 2021   **Nov 2021–Jan 2022**
Secretarial Bureau Staff Intern
- Creating content about secretarial things to post on HMDM FMIPA UI's Instagram.
- Become event staff at the Workshop Kestari 2.

Forum Mahasiswa Kalimantan Barat Universitas Indonesia (Formakara UI)   **Nov 2021–Jan 2022**
Event Division Staff at YBM UI 2021
- Creating content about UTBK questions content to post on Formakara UI's Instagram.
- Creating content about Universitas Indonesia for roadshow activities.
- Supervising YBM UI's try out participants.