

JOKO ELIYANTO

Data Scientist

<https://github.com/jokoeliyanto>

Identity

Address : RT 04, Seropan 3, Muntuk, Dlingo, Bantul, D.I. Yogyakarta, 55783

Mobile : +62 821 8311 2655

Email : jokoeliyanto@gmail.com

Work Email : joko@temandata.com

GitHub : <https://github.com/jokoeliyanto>

LinkedIn : <https://www.linkedin.com/in/joko-eliyanto-23a1b6143>

Professional Summary

Results-driven Data Scientist with 3+ years of experience across industry applications and education. Proven track record in solving complex problems using data analysis, visualization, and machine learning. Strong academic background in Mathematics, complemented by active participation in workshops and certifications in statistics, big data, data mining, artificial intelligence, data engineering, and SQL databases. Proficient in SQL querying, Python programming, web scraping, data pipeline optimization (Airflow), and dashboard development using tools such as Tableau, Power BI, and Kibana. Experienced in publishing research at national and international levels and passionate about transforming data into actionable insights that drive strategic business decisions. Recently, also involved in the development of an AI-powered chatbot using Large Language Models (LLM) integrated with Retrieval-Augmented Generation (RAG) frameworks to enhance contextual understanding and response accuracy.

Experience

Fulltime Data Scientist – Teman Data

August 2021 – Present

- Conducted data analysis and visualization using SQL and Python on hospital data (BMHS) to optimize resource allocation and maximize profitability.

- Developed business dashboards with Tableau to support executive decision-making for BMHS.
- Built machine learning models to automate and optimize data standardization processes within the data pipeline.
- Designed and implemented the Early Warning, Alert, and Response System dashboard for AIHSP using SQL, Python, and Kibana, based on pilot data from Bali Province Health Department.
- Created real-time marketing dashboards for Toyota Astra Motor (TAM) using Power BI, enabling data-driven strategy formulation to boost profitability.
- Developing AI chatbot using LLM and RAG Framework for generating insight from database directly

Freelance Data Science & Data Analyst Mentor – MySkill

May 2022 – Present

- Guided students through SQL, Python, data visualization, and dashboard analytics using Google Data Studio.
- Evaluated final student projects covering data analysis, visualization, and machine learning, providing feedback for real-world business problem-solving.

Instructor – Data Business Analytics & Operation, Ruang Guru

February 2022 – July 2022

- Taught core concepts of business analytics including statistics, digital business processes, data visualization, machine learning, Python programming, and Tableau.
- Mentored and assessed student capstone projects focused on designing business strategies using analytics and AI technologies.

Researcher & Data Science Instructor – PSDS Mathematics, Ahmad Dahlan University

December 2018 – June 2021

- Delivered lectures on data science and machine learning using Python and R for mathematics undergraduates.

- Conducted research on fuzzy logic, clustering, dimensionality reduction, data mining, convolutional neural networks (CNN), and sentiment analysis.
 - Published academic papers in national and international journals and conferences.
-

Education

Magister Pendidikan Matematika — Universitas Ahmad Dahlan

- Judul Tesis: *Fuzzy C-Means Clustering Method with Core and Reduct Dimensional Reduction for Covid-19 Cluster Analysis in Indonesia*
- Output: 2 Publikasi Internasional, 5 Nasional
- IPK: 3.98 (CUMLAUDE)

Sarjana Matematika — Universitas Ahmad Dahlan

- Judul Skripsi: *Navier-Stokes Equation Modelling for Incompressible Fluid Flow*
 - Output: 1 Publikasi Nasional
 - IPK: 3.64 (CUMLAUDE)
-

Publications (*Selected*)

- **2021**: Optimization of Fuzzy SVM Model in Multiple Metric Spaces — ICAIBDA 2021
- **2021**: Outlier Detection Using K-Means Clustering with Minkowski-Chebyshev — ICAIBDA 2021
- **2021**: Optimization of Several Distance Function on Fuzzy Subtractive Clustering — IOS Press
- **2021**: Distance Functions Study in Fuzzy C-Means Core and Reduct Clustering — JITEKI
- **2021**: Fuzzy Logic in Election Sentiment Analysis (CNN vs Naive Bayes) — JTAM

- **2020:** Fuzzy Sentiment Analysis Using CNN — AIP Conf. Proc.
 - **2020:** Dimension Reduction in Fuzzy C-Means Clustering — Kansai Univ.
 - **2020:** Fuzzy Clustering Performance with PCA — UNY
 - **2019:** Reduksi Dimensi pada Big Data — STEEEM
 - **2019:** Navier-Stokes untuk Aliran Fluida Tidak Termampatkan — Konvergensi
-

Speaker Sessions

- **2022:** Workshop *Statistical Analysis di Era Industri 4.0* – Univ. Brawijaya
 - **2022:** Webinar *Tips & Trik Memulai Karir di Data Science* – Archilab Academy
 - **2021:** Workshop *Natural Language Processing with Python* – UAD
 - **2021 & 2020:** *International Summer Course on Machine Learning* – UAD & UMT
 - **2019:** Seminar *Peluang Kerja Lulusan Matematika* – UAD
-

Training

- **2020:** Graduate, *Bangkit Machine Learning Academy* – Google
 - **2019:** *Big Data Analytics*, Fresh Graduate Academy – Kominfo
-

Certification

- **2020:** *Associate Data Scientist* – BNSP
 - **2025:** *IBM Data Science* – IBM
 - **2020:** *Tensorflow Developer Certificate* – Google
-

