FARREL MAHARDHIKA FAJAR

Data Analyst

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EDUCATION

DIGITAL TALENT INCUBATOR - DATA SCIENCE & MACHINE LEARNING

Purwadhika
Remote, 2024

MASTER OF STRATEGIC MANAGEMENT

University of Indonesia
Jakarta, 2024 - 2026

DATA ANALYST PROFESSIONAL CERTIFICATE

Meta
Remote, 2024

BACHELOR OF ELECTRICAL ENGINEERING

University of Indonesia
Jakarta, 2015 - 2019

EXPERTISE

- Excel
- SQL
- Power BI
- Python

SKILLS

- Stakeholder Engagement
- Contractor Liaising
- KPI Reporting
- Technical Documentation
- Strategic Planning
- Data Storytelling

PROFILE

Passionate data analyst with a background in project reporting within the railway & construction industry. Proficient in Excel, SQL, Python, and Power BI; skilled in data cleaning, data visualization, and data reporting to extrapolate actionable insights, ensure on-time project delivery, and optimizing budget allocation. Adept at identifying problems and implementing data-driven strategies, leveraging background in stakeholder engagement to drive collaboration, effective cross-functional communication, and leadership in achieving common goals.

EXPERIENCE

TECHNICAL & DESIGN MANAGEMENT

PT KERETA CEPAT INDONESIA CHINA | JAKARTA | 2020 - PRESENT

Coordinated with 20+ team members of consultants, contractors, and cross-functional personnels to collect construction cost data, employee attendance, and daily workplace incidents.

- **Developed weekly reports of project progress tailored to higher management**; translated technical languages to simpler terms through **data visualization** and strategic management to improve the accuracy and speed of decision-making process. **Reduced estimated project cost by 40%** by negotiating cost-efficient alternatives and improving **project prioritization**

- **Visualized employee punctuality trends, seasonal patterns, and late hours through an interactive Power BI dashboard**, highlighting peak employee absence and identifying the top 20% punctual working-level officers that contributed to 50% of company productivity

- **Visualized trends on fatal and nonfatal incidents in the span of two years using SQL;** produced a heatmap to identify a 400% spike in nonfatal incidents during certain time of year, as well as showcasing the **top 30%** most common injuries that contributed to **80% of total** fatal injury reports through Pareto Chart, and recommended prioritizing protection on certain body parts and adjusting safety protocols for higher-risk periods; head-related incidents reduced by 90%.

QA & QC Officer

WIJAYA KARYA REKAYASA KONSTRUKSI | JAKARTA | 2020

Developed and **maintained** a linguistic **database** consisting of **400+ technical terms** commonly used to translate engineering documents from English to Indonesian.

- **Implemented a document search feature on Google Sheets Query Function;** increased efficiency of searching for specific terms. Document completion rate increased by 60%..

PROJECTS

Undisclosed Mobile Game Performance Daily Report

- **Imported, analyzed, and visualized 15k+ player logins and 60k+ in-app activities** in Google Sheets and SQL, discovering key insights such as iOS players comprising 68% of the total user base and 25% update absorption rate

- **Provided actionable recommendations to optimize campaigns on specific time of day** by highlighting daily user count by the hour and identifying peak hours that generated 60% of daily app usage

Workplace Incident Report

- **Imported, analyzed, and visualized workplace incident data from 2015-2017** in Excel and SQL,identifying patterns in both fatal and nonfatal incidents through heatmaps and segmented by different criteria; discovering key insights such as 7.22 average incidents per day (5.27 on weekday sand 2.38 on weekends) and head injuries being were consistently the most frequent and fatal across tasks

- **Provided actionable recommendations to reduce head injuries, improve weekday safety protocols, and adjusting for seasonal risk factors** like winter conditions.

COVID-19 Cases in Jakarta

- **Visualized trends on COVID-19 case, fatality, and recoveries; weekly patterns, and regional COVID-19 case data within Jakarta Province through an interactive Power BI dashboard**, highlighting all 44 districts within the province and identifying peak season that caused a 100% spike of new case in the span of 5 weeks for medical preventive actions.