PERSONAL PORTFOLIO

IDHAR MUHTAR

About Me

Idhar Muhtar

My Profile

Hi, I'm Idhar a graduate of Environmental Engineering from the University of Indonesia, will start my master's degree in Environmental Management and analytics at Lancaster University. Professional experience of 3+ years, I bring a strong background in Environmental Science, Data Science, and Safety to my professional endeavors. My passion for analytics is evidenced by my hands-on contributions to impactful initiatives. At my previous company, I achieved First Place in the Graduate program by leveraging my analytical expertise to reduce CO_2 emissions by 5.03 tons through food waste management and improving cost efficiency, saving up to £7,200 (IDR 140,000,000) monthly. Moreover, I developed a health assessment control dashboard for daily employee assessments, which prevented potential costs of up to £400,000. These experiences underscore my ability to generate measurable results through innovative solutions.

Personal Portfolio

Email:
i.muhtar@lancaster.ac.uk

Phone number: +6281243381497
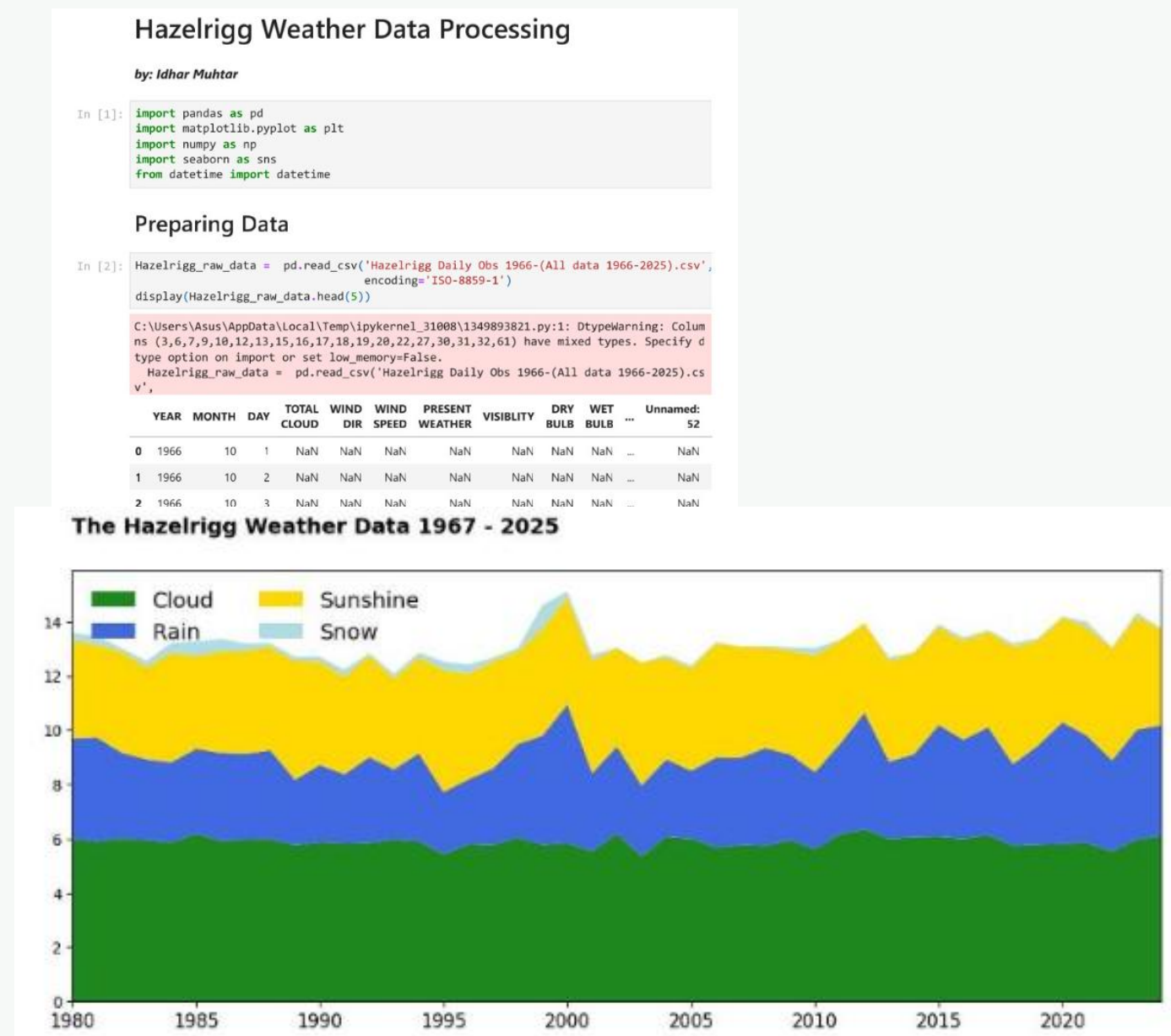**LinkedIn:** linkedin.com/in/idhar-muhtar/

Project 1

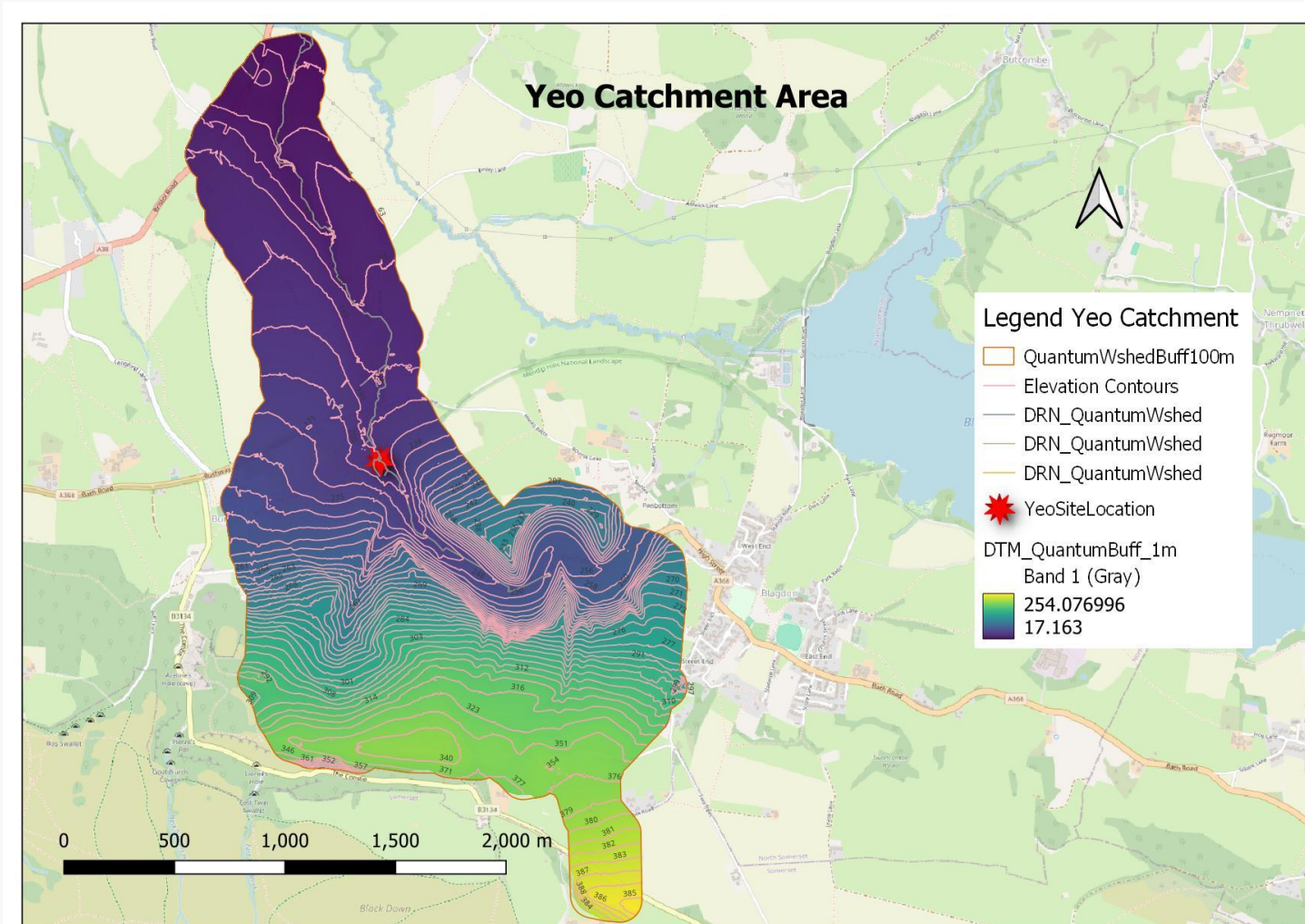## The Hazelrigg Weather Data Processing
Python

In this project, I analyzed Hazelrigg UK weather data (1967-2025), transforming raw datasets into meaningful insights. Using Python, I explored weather trends over the years and identified the dominant weather patterns through several visualizations.

☑️ Data preprocessing & cleaning

☑️ Weather trend analysis over decades

☑️ Visualizing patterns using multiple plot types

Link to access: https://shorturl.at/FP6Qi

Project 2

The Hazelrigg Weather Data Processing
Python

- Collaborating with JBA Consulting on the dissertation project titled "Modelling Agricultural Diffuse Pollution Mitigation Measures in the Yeo Catchment.

- Using QGIS, Python, and R-Studio to develop models for tracking and analyzing agricultural pollution, Aiming to identify effective mitigation strategies for sustainable environmental management

Project 3

Health Assessment Control Dashboard
Looker studio and Spreadsheet
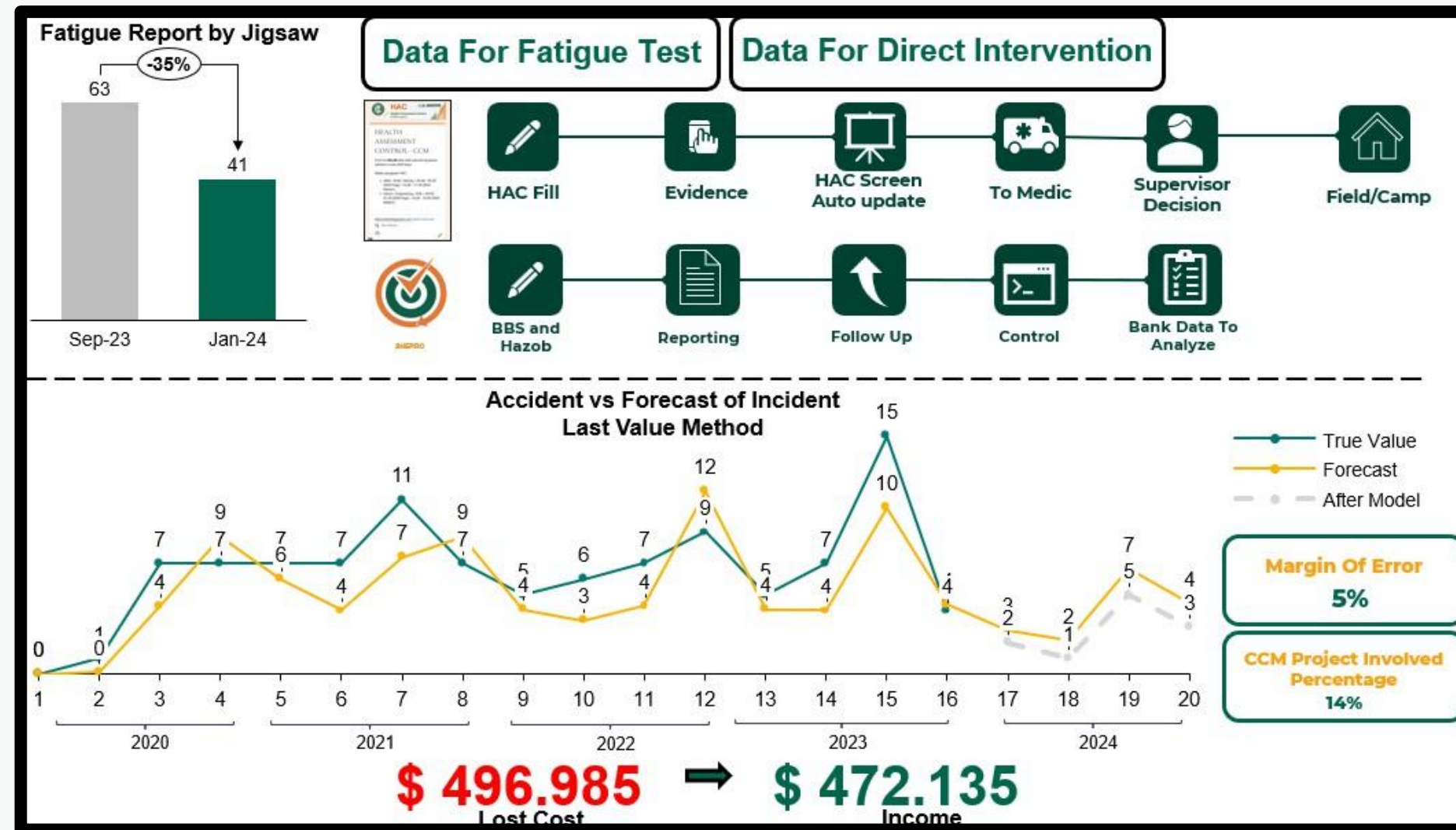

- Create an interactive automation dashboard for pre-health assessment of 700+ employees before work.
- Sort by ID/name and shift to check daily health status (Fit/unfit)
- Person data analytics regarding to health condition for any particular time

Project 4

Incident forcasting with last value method

Excel and Python

- Developed an accident predictive analytics system to prevent incidents using data analysis and dashboard monitoring, successfully mitigating up to $500K in potential losses.

- Python as main tool test the margin of error and for data cleaning.

- Using excel for last value method and cost calculation

Project 5

Safety Excellence Dashboard

Excel and Power BI

- Innovatively crafted safety excellence dashboards using Power BI,
- Enabling real-time visualization of safety performance across 6 Projects.
- Dashboards serve as invaluable tools for analysis and strategic decision-making.

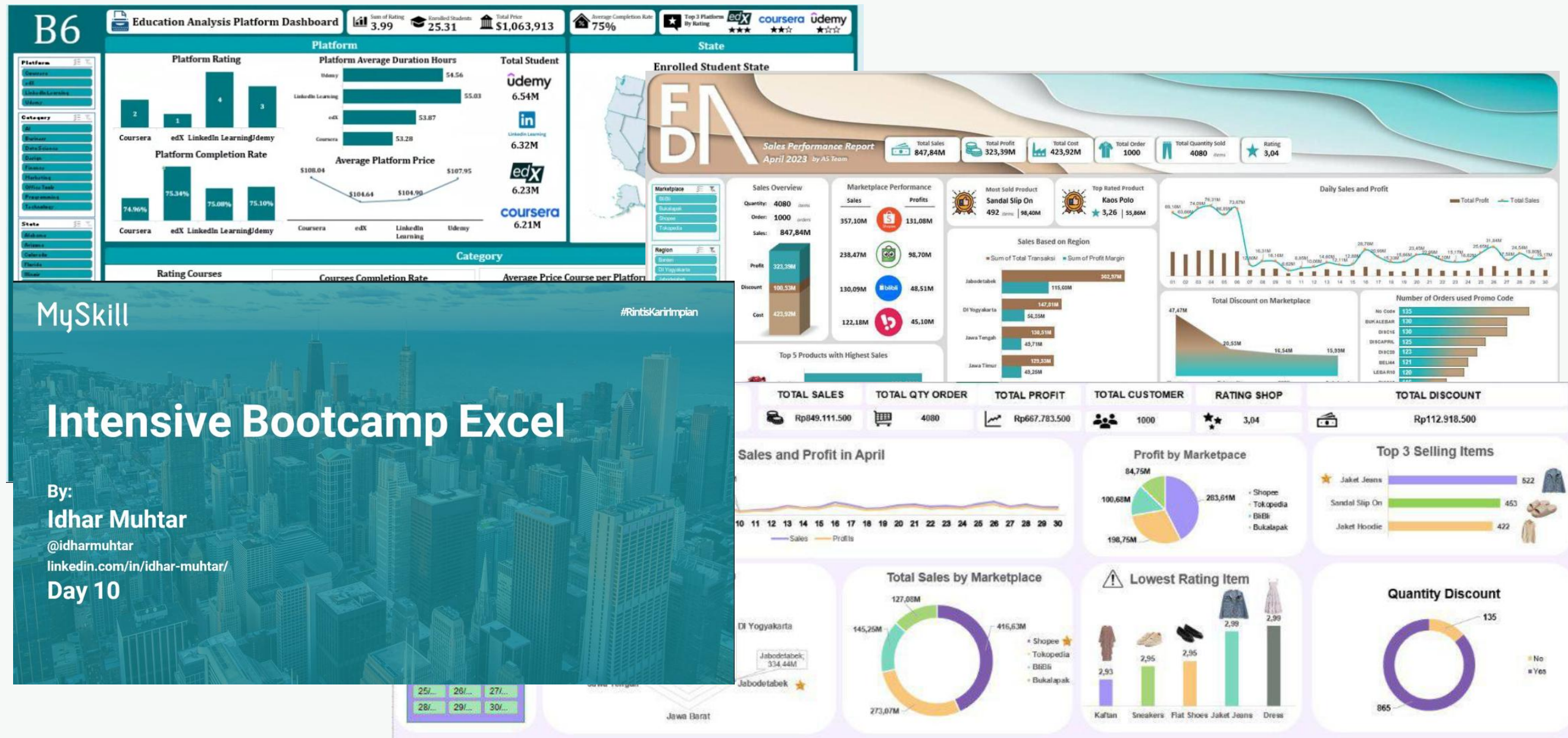# Project 6

Sales Person Dashboard

Excel

- Using dummy salesperson 20k+ more data from Kaggle
- Enable real-time visualization of salesperson key performance indicator
- Performance of sales by Product and state

Personal Portfolio

Excel Mentoring Experience
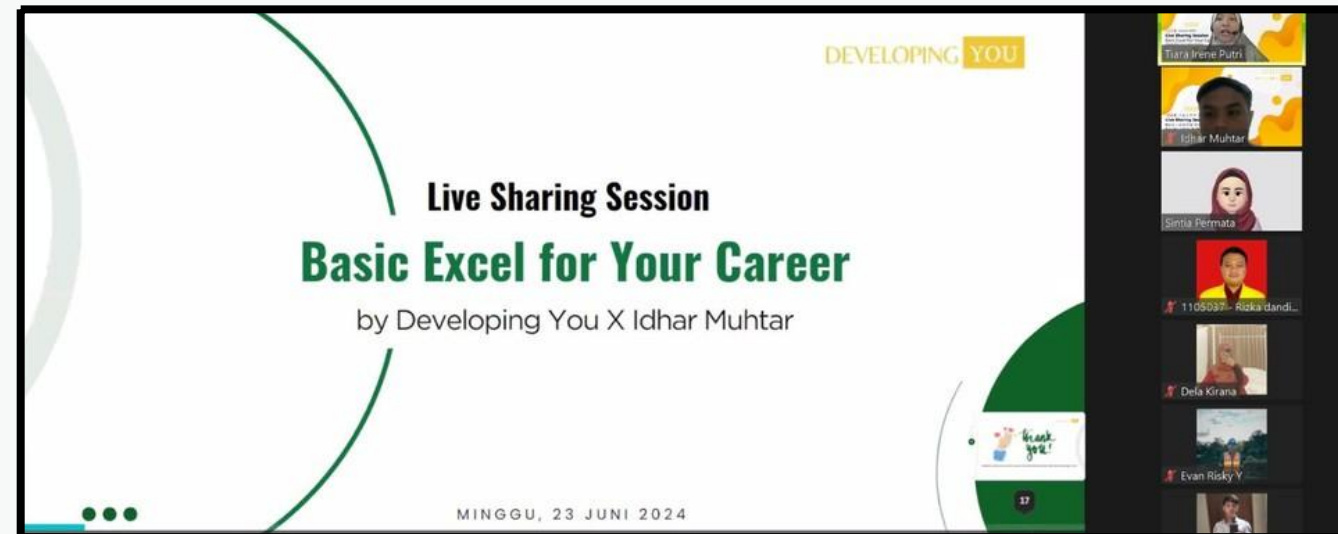
My Students Results

- Conducted reviews of exercises or final projects to the students 250+ students
- Offered constructive feedback on final projects, including assessment, suggestion and additional resources or shortcuts on excel/python.
- Guided interactive dashboard development for students as final project, related to real case

And many more...

Training Experience

I got invited as trianer by a developing community, to conducted Excel training sessions for over 50 individuals at a time. These sessions focused on basic Excel skills and their application in everyday work tasks, helping participants improve their efficiency and effectiveness in using Excel for data management, information analysis, and result visualization.

Penjelasan dan cara belajarnya santai jadi mudah di mengerti

Testimony

https://bit.ly/testimony-idhar

Certificate

Lean Six Sigma White Belt
Six Sigma Online (2023)

Python Associate
Data Camp (2024)

Project Management
Project Management Institute (2025)

SQL Intermediate
Hacker Rank (2024)

Corporate Sustainability Reporting Directive & for corporates (CSRD)
Greenomy Academy (2025)