

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 CO2 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

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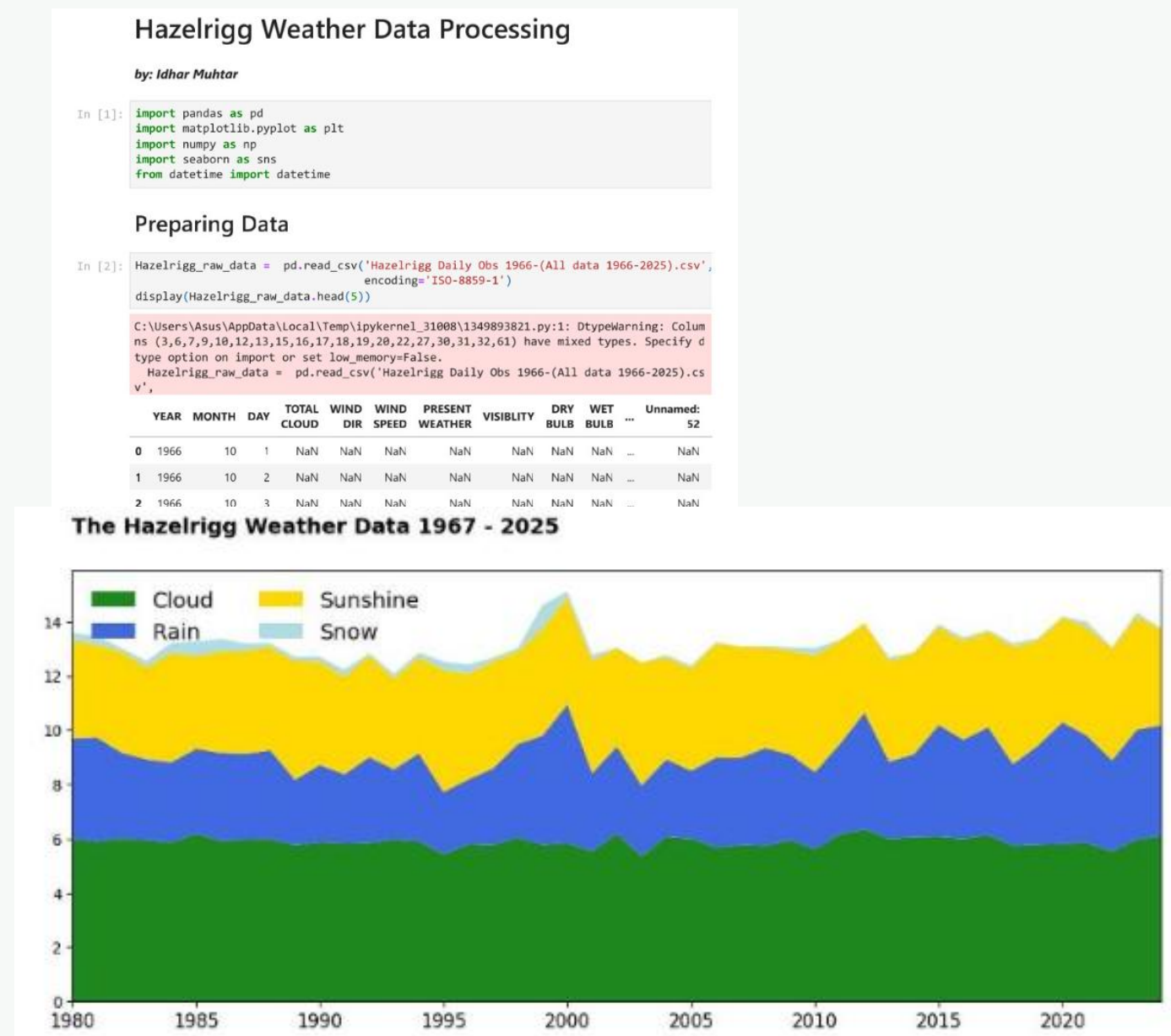
Project 1

The Hazelrigg Weather Data Processing Python

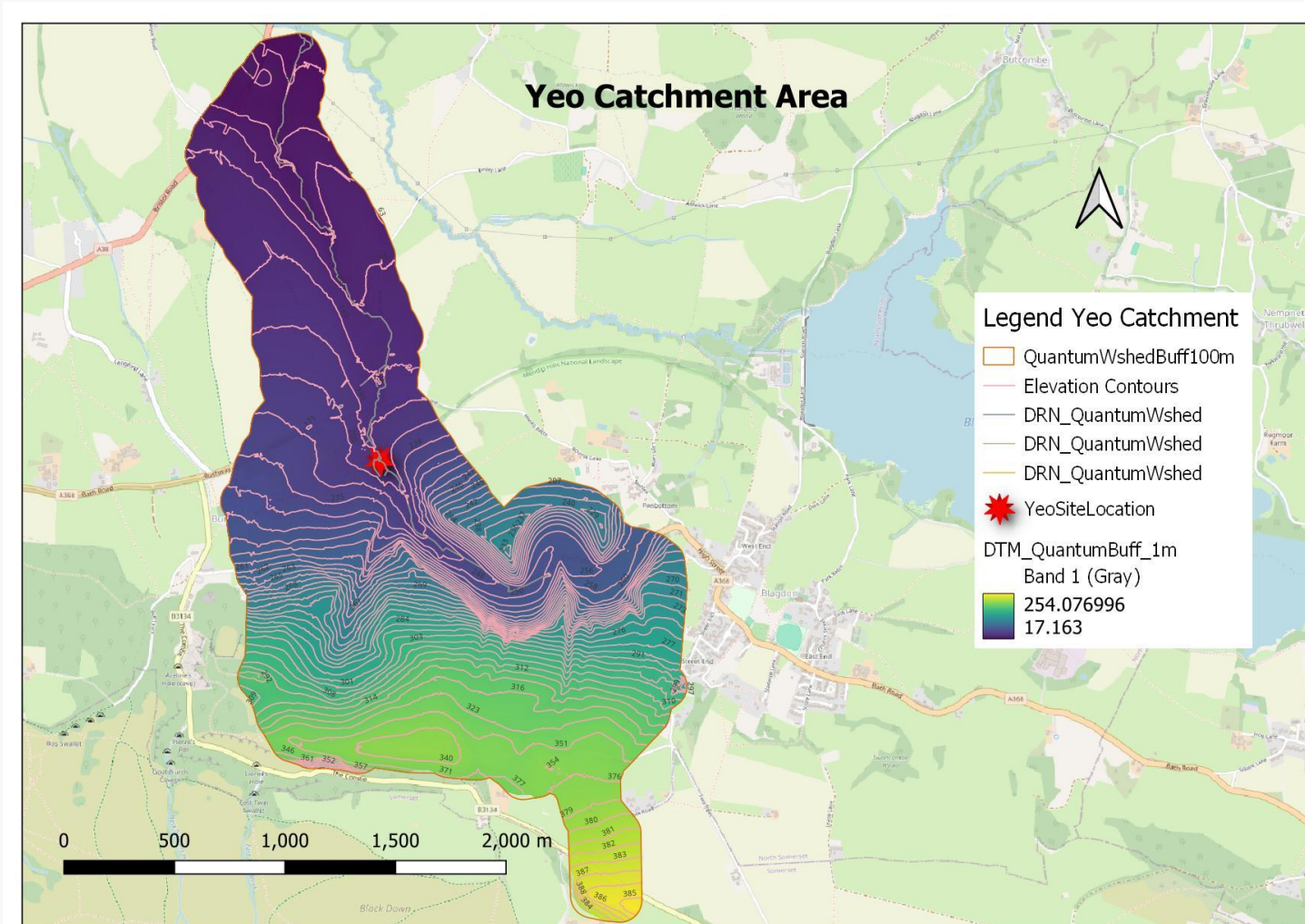
In this project, I analyzed Hazelrigg UK weather data (1967-2025), transforming raw datasets into meaningful insights. Using Python, I explored weather trends over the years and identified the dominant weather patterns through several visualizations.

- ✓ 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

CCM PROJECT

HEALTH ASSESSMENT CONTROL

PETROSEA

Tanggal

Departemen

Status

Shift

Durasi Tidur

OPERATOR UNFIT

SEGERA VALIDASI KE TIM MEDIS

Durasi tidur > 8 jam

Durasi tidur > 4 jam

Durasi tidur < 4 jam

ID Karyawan	Nama	Posisi	Durasi Tidur	Status	Shift
1. k401749	Cak ID	Cak ID	4	Unfit	NS
2. k403246	Cak ID	Cak ID	3	Unfit	DS
3. k403118	Kusnadi	Operator 4 - Dump Truck +100T	4	Unfit	NS
4. k403118	Kusnadi	Operator 4 - Dump Truck +100T	5	Unfit	DS
5. k403118	Kusnadi	Operator 4 - Dump Truck +100T	5	Unfit	NS
6. k403109	Muhammad Ridwan	Welder 2	5	Unfit	NS
7. k402947	Kamal	Operator 5 - Articulated Dump Truck (ADT)	5	Unfit	NS
8. k402947	Kamal	Operator 5 - Articulated Dump Truck (ADT)	5	Unfit	DS
9. k402947	Kamal	Operator 5 - Articulated Dump Truck (ADT)	4	Unfit	NS
10. k402923	Jenal Palangka	Operator 4 - Dump Truck +100T	3	Unfit	DS

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Operator (Belum Mengisi) HAC

Segera Mengisi HAC

Operator ID	Operator Name	Shift
1. O1P34	Dede Julianas Pratama	DS
2. O1P33	M. H. D. Davis Haskal	DS
3. O1P32	Firmansyah	DS
4. O1P28	Vicky Randy Malinda	DS
5. O1P27	Marwin Sampa Lolo	DS
6. O1P26	Muhammad Khoirul Anwar	DS
7. O1P25	Andi Arief	DS
8. O1P24	Purwanto	DS
9. O1P23	Muhammad Zaid	DS
10. O1P22	Wilson Bin Tipen Nelu	DS
11. O1P20	A. Andika Jaya Saputra Lestari	DS
12. O1P19	Basmin	DS
13. O1P17	Luis Ebit Pranungan	DS
14. O1P16	Muhammad Fauzan	DS

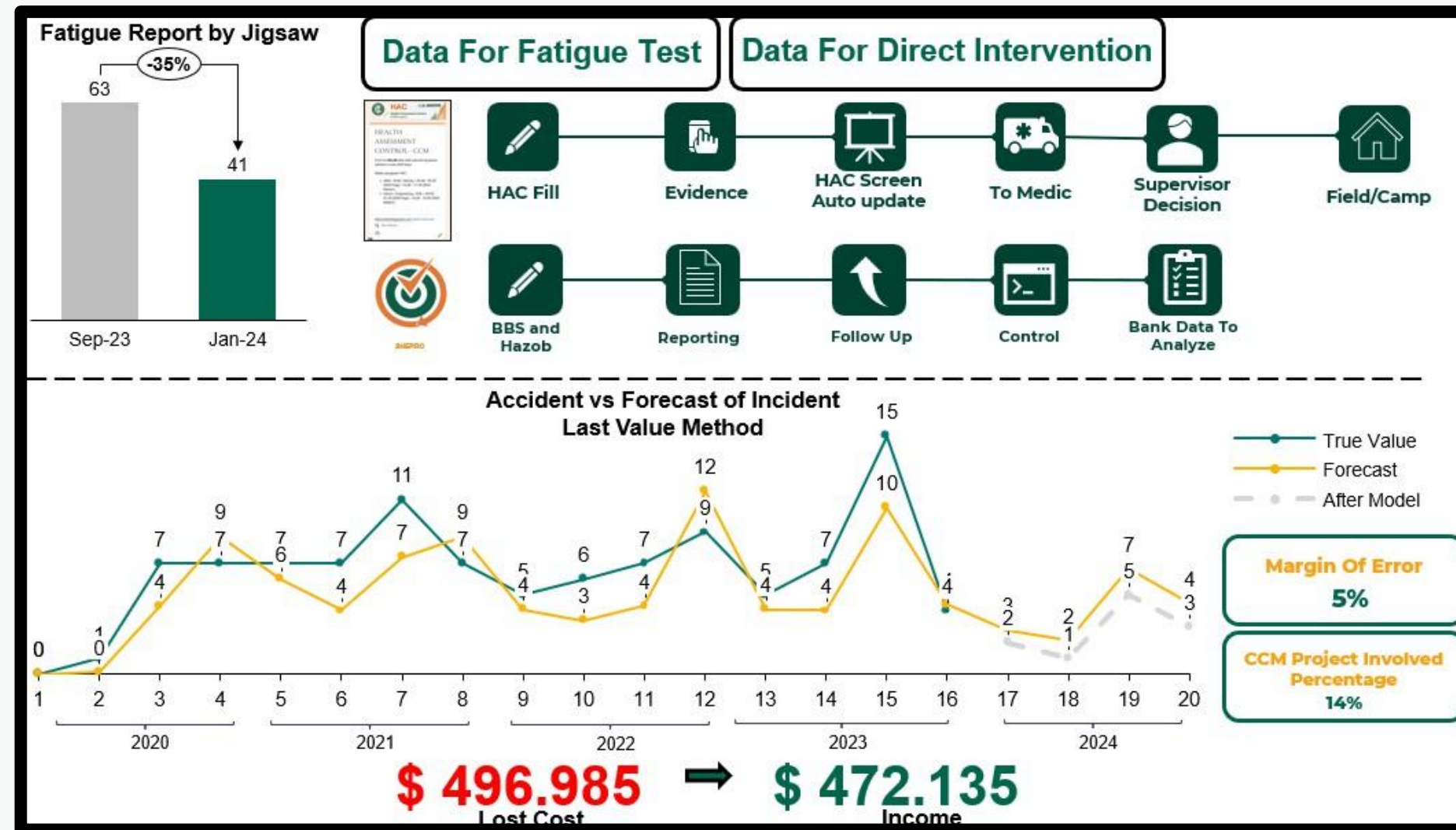
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- Create an interactive automation dashboard for pre-health assessment of 700+ employees before work.
- Sort by ID/name and shift to check daily health status (Fit/unfit)
- Person data analytics regarding to health condition for any particular time



Personal Portfolio

Project 4



Incident forecasting 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

Personal Portfolio

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.

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Project 6



Sales Person Dashboard

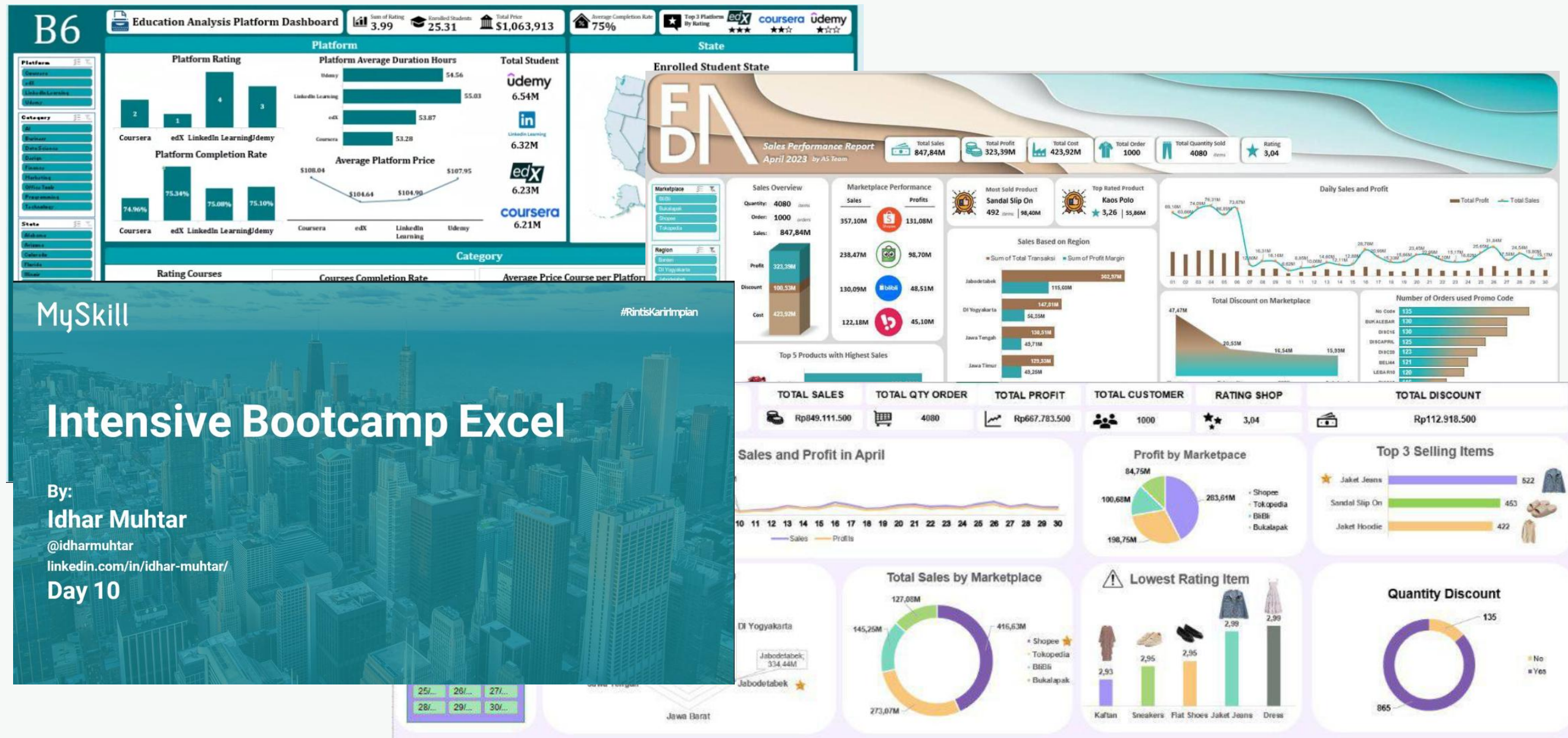
Excel

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

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Excel Mentoring Experience

My Students Results



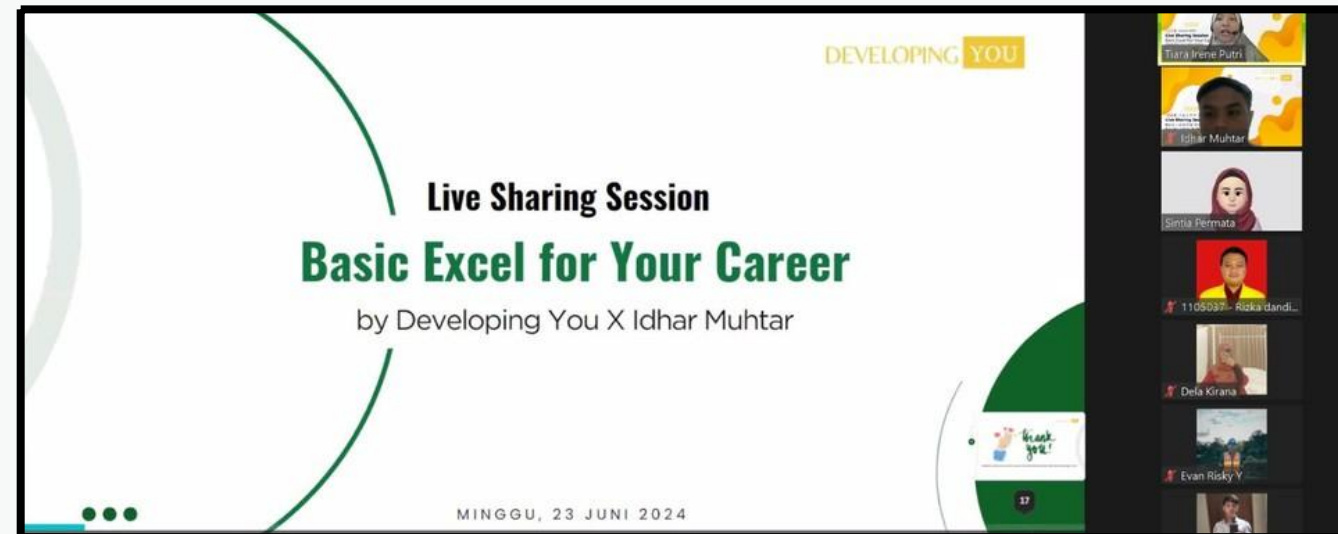
- Conducted reviews of exercises or final projects to the students 250+ students
- Offered constructive feedback on final projects, including assessment, suggestion and additional resources or shortcuts on excel/python.
- Guided interactive dashboard development for students as final project, related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

And many more...

Personal Portfolio

Data Trainer

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)

