

Portfolio

VINCENT KARUNIA

Information Systems Student | Data & Tech Enthusiast



Get To Know Me

I'm an Information Systems student specializing in Data Analytics and Business Intelligence. My primary focus is transforming complex data into actionable insights using SQL and BI tools. I also leverage my technical background in Web Development (Laravel) and Python to build comprehensive data-driven solutions.



EXPERIENCE

Church Member Database Management Website Development Team Member | GKI Raya Hankam 2025-present

Developing a CRM-based website for monitoring and managing congregation member data at GKI Raya Hankam.

Publication and Documentation Team Member | UKRIDA E-sports Student Creativity Unit

2024-2025

Create and design creative visual designs in the form of Instagram feeds, stories, and reels for events in accordance with the organization's work program.

EDUCATION

Krida Wacana Christian University | Faculty of Intelligent Technology | Information System Program 2023-present

GPA: 3.89/4.00 (5th Semester)

Let's Connect!

(+62) 838-0882-5855

vinckarunia@gmail.com

Vincent Karunia

vinckarunia



Tools

What I've explored so far...

DATA VISUALIZATION & ANALYSIS



Tableau



Power BI



Metabase



MS Excel

DATABASE & WEB DEVELOPMENT



MySQL



PostgreSQL



Laravel



PHP



HTML + CSS + JS



Python

WORKFLOW



Git & GitHub

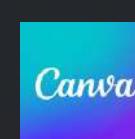


Notion

OTHER TOOLS



Figma



Canva



Capcut

and many more...

Projects

What I've done so far...

- Web Development
- Data Dashboard
- Data Engineering



* GKI Raya Hankam Membership Database

A comprehensive CRM system built with PHP (ChurchCRM Based) to manage 3000+ congregation data.

* Key Features

- Centralized Data Management.
- Real-time Demographic Statistics.
- Secure Role-Based Access Control.
- QR-Based Event Check-in.

* Tools Used

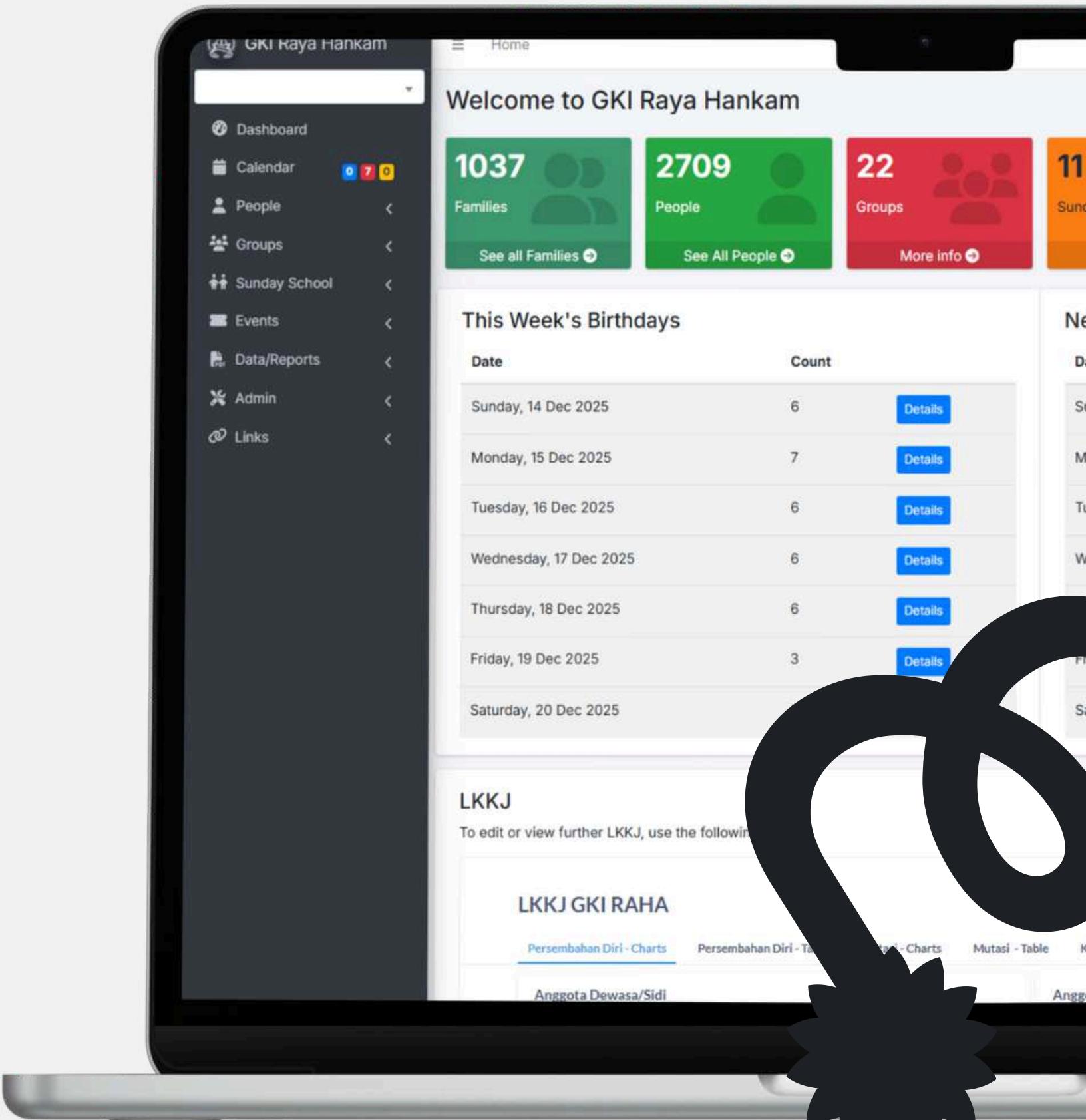


MySQL



PHP

Web Development



* The Snapshots

Welcome to GKI Raya Hankam

1037 Families, 2709 People, 22 Groups, 11 Sunday School Classes, 3 Attendees Checked in

This Week's Birthdays

Date	Count
Sunday, 14 Dec 2025	6
Monday, 15 Dec 2025	7
Tuesday, 16 Dec 2025	6
Wednesday, 17 Dec 2025	6
Thursday, 18 Dec 2025	6
Friday, 19 Dec 2025	3
Saturday, 20 Dec 2025	6

Next Week's Birthdays

Date	Count
Sunday, 21 Dec 2025	7
Monday, 22 Dec 2025	11
Tuesday, 23 Dec 2025	8
Wednesday, 24 Dec 2025	7
Thursday, 25 Dec 2025	11
Friday, 26 Dec 2025	3
Saturday, 27 Dec 2025	5

LKKJ

Anggota Dewasa/Sidi

Anggota Baptis Anak

Main Dashboard

QR Checkin

Select the event to which you would like to check people in for:

Kabaktian Urum 1 2025-06-10

Add Attendee for Event

Current Time: Mon, Dec 15, 2025, 17:44:08

Attending Person

Person Name

Adult Name (Optional)

Checkin In By (Optional)

Checkin Cancel

Mark Checkin Add Note

QR-Based Check-in

Person Profile

Vincent Karunia Pratama Simanjuntak

Gender: Male, Family Role: Undefined, Member: Edit

QR Code

Download QR

Person Management

Person Editor

Drop Down

Using All Church Events

and many more...

* More Details [The Site](#) [The Code](#)

Web Development



Data Dashboard

Congregation data visualization dashboard with Metabase integrated with CRM database.

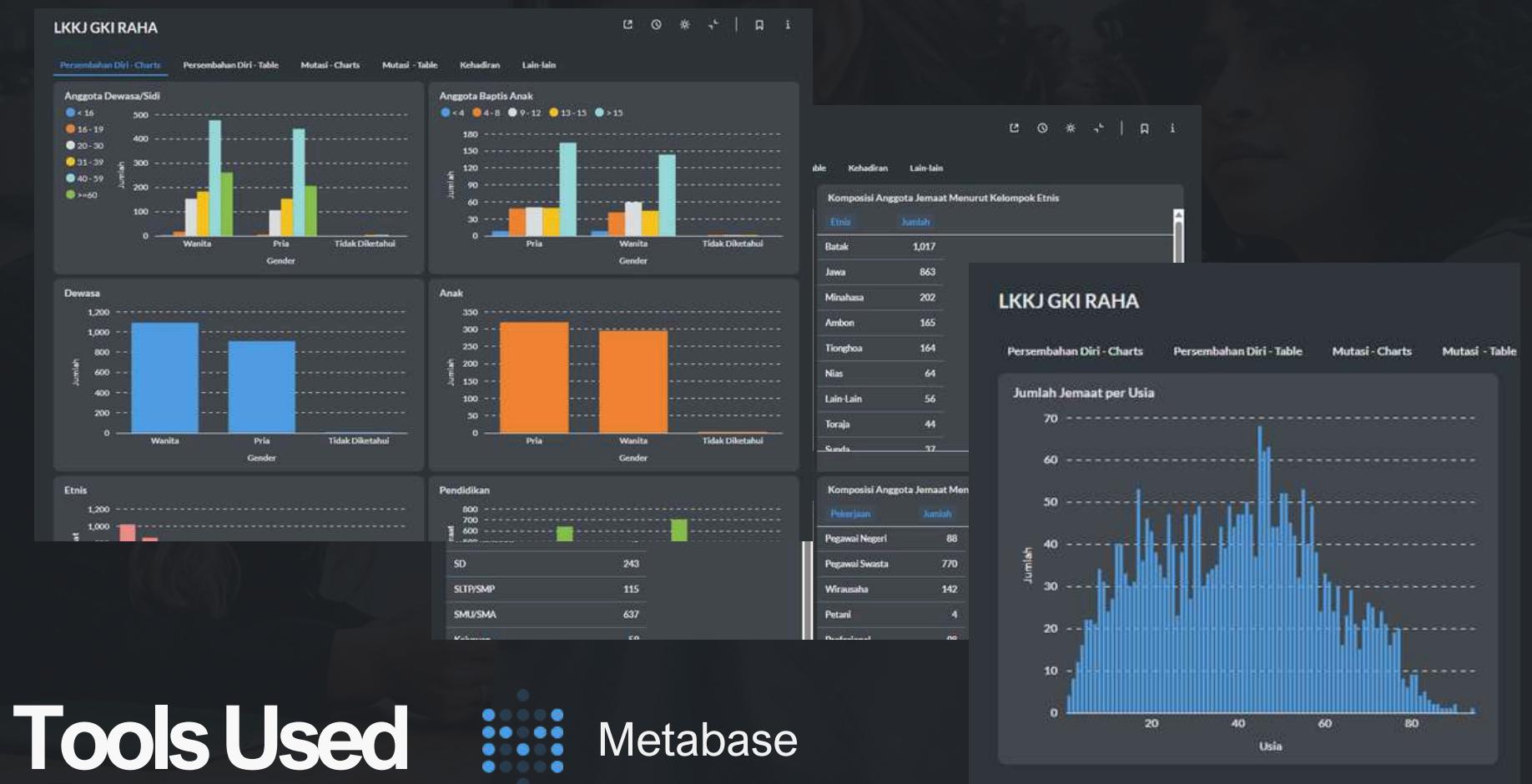
* The Problem

Church stakeholders struggled with manual Excel reports to track growing number of members

* The Solution

Integrated Metabase with the live database to visualize trends instantly

* Some Snapshots



* Tools Used



Metabase

Data Engineering



* Data Scraping

Scraping review data from Google Play Store

```
1 from google_play_scraper import reviews, Sort
2
3 package_name = "id.dana"
4
5 all_reviews, _ = reviews(
6     package_name,
7     lang='id',
8     country='id',
9     sort=Sort.NEWEST,
10    count=10000
11 )
12
13 path_file = './reviews.txt'
14
15 with open(path_file, 'w', encoding='utf-8') as f:
16     for r in all_reviews:
17         line = f'{r["score"]} ★ - {r["content"]}\n'
18         f.write(line)
19
20 print(f'Berhasil mengambil {len(all_reviews)} review.'
```

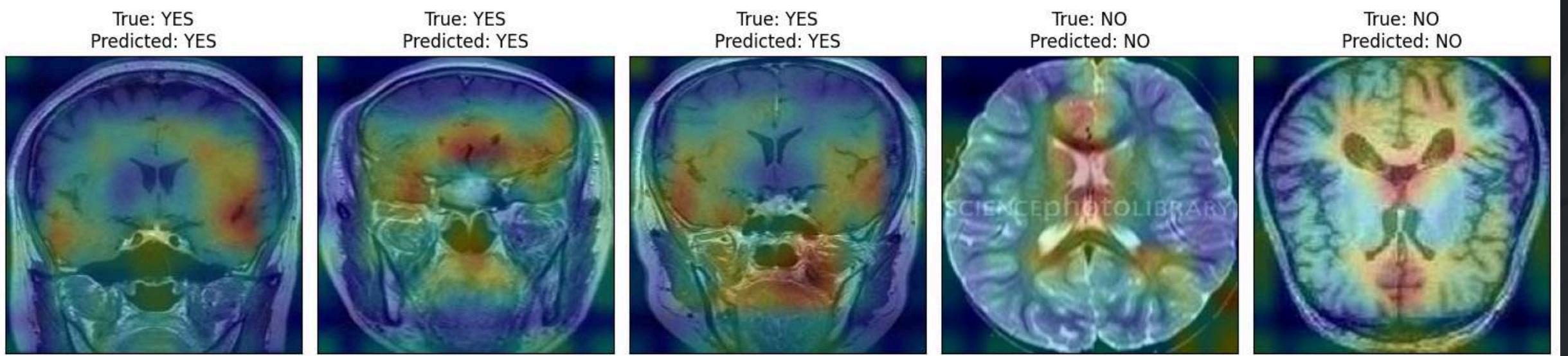
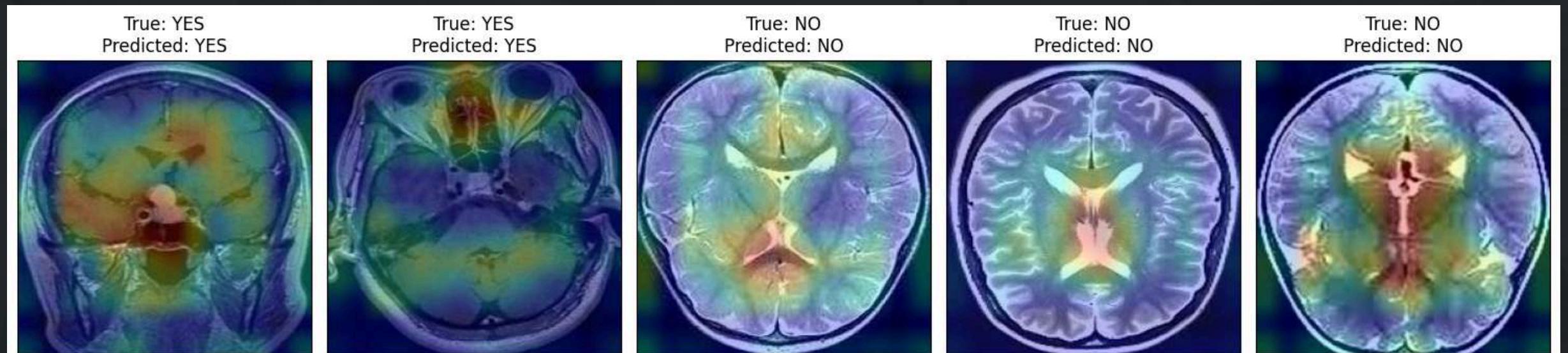
* Data Cleaning

Superstore sales dataset cleaning

```
1 import pandas as pd
2 import re
3 from datetime import datetime
4
5 df = pd.read_csv("dataset_kotor.csv")
6
7 def clean_pendapatan(val):
8     if pd.isna(val):
9         return None
10    val = str(val).lower().strip()
11    val = val.replace("rp", "").replace("idr", "").replace("jt", "00000")
12    val = re.sub(r"[^\d]", "", val)
13    return int(val) if val.isdigit() else None
14
15 def clean_tanggal(val):
16     if pd.isna(val):
17         return None
18     for fmt in ("%m/%d/%Y", "%m/%d/%y", "%d-%b-%Y", "%d.%m.%Y", "%d/%m/%Y", "%Y-%m-%d"):
19         try:
20             return datetime.strptime(val, fmt).strftime("%d-%m-%Y")
21         except:
22             continue
23     try:
24         return pd.to_datetime(val, errors="coerce").strftime("%d-%m-%Y")
25     except:
26         return None
27
28 text_to_num = {
29     "seratus lima puluh": 150,
30     "tiga ratus": 300
31 }
32
33 def clean_jumlah(val):
34     if pd.isna(val):
35         return None
36     val = str(val).lower().replace(",", "").strip()
37     if val in text_to_num:
38         return text_to_num[val]
39     if val.isdigit():
40         return int(val)
41     return pd.to_numeric(val, errors="coerce")
42
43 def format_rupiah(val):
44     return f'Rp {val:,.0f}'.replace(".", ",") if pd.notna(val) else None
45
46 df["Pendapatan"] = df["Pendapatan"].apply(clean_pendapatan)
47 df["Tanggal_Tr"] = df["Tanggal_Tr"].apply(clean_tanggal)
48 df["Kategori"] = df["Kategori"].str.title().str.strip()
49 df["Jumlah_Penjualan"] = df["Jumlah_Penjualan"].apply(clean_jumlah)
50
51 df = df.dropna(subset=["Pendapatan", "Tanggal_Tr", "Kategori", "Jumlah_Penjualan"])
52
53 df["Jumlah_Penjualan"] = df["Jumlah_Penjualan"].astype(int)
54
55 df["Pendapatan"] = df["Pendapatan"].apply(format_rupiah)
56
57 df["Tanggal_sort"] = pd.to_datetime(df["Tanggal_Tr"], format="%d-%m-%Y", errors="coerce")
58 df = df.sort_values(by="Tanggal_sort", ascending=True).drop(columns=["Tanggal_sort"])
59
60 df.to_csv("dataset_bersih.csv", index=False)
61
62 print("Data bersih disimpan sebagai dataset_bersih.csv")
63 print(df.to_string())
```

Data Engineering

Transfer Learning



* More Details

[Dataset](#) [The Code](#)

* MRI Brain Tumor Classification

Medical image analysis using Python & VGG16 (CNN) on Google Colab to detect tumors from MRI scans with high accuracy.

* Tools Used



Python



Google Colab

This is not the end...

*Ready to contribute as a Data
Analyst/BI Intern/Web Developer*

Let's Connect!

📞 (+62) 838-0882-5855

✉️ vinckarunia@gmail.com

LinkedIn Vincent Karunia

Github vinckarunia



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Web Version of This Portfolio

