

Projects Portfolio

Dody Harianto



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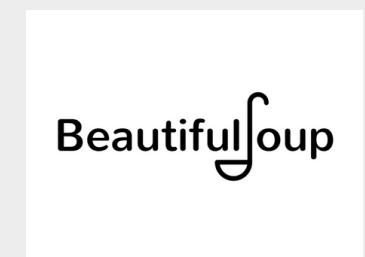
+62 895 3391 31039

kaggle <https://www.kaggle.com/dodyharianto>



<https://github.com/dodyharianto>

Technology Stack



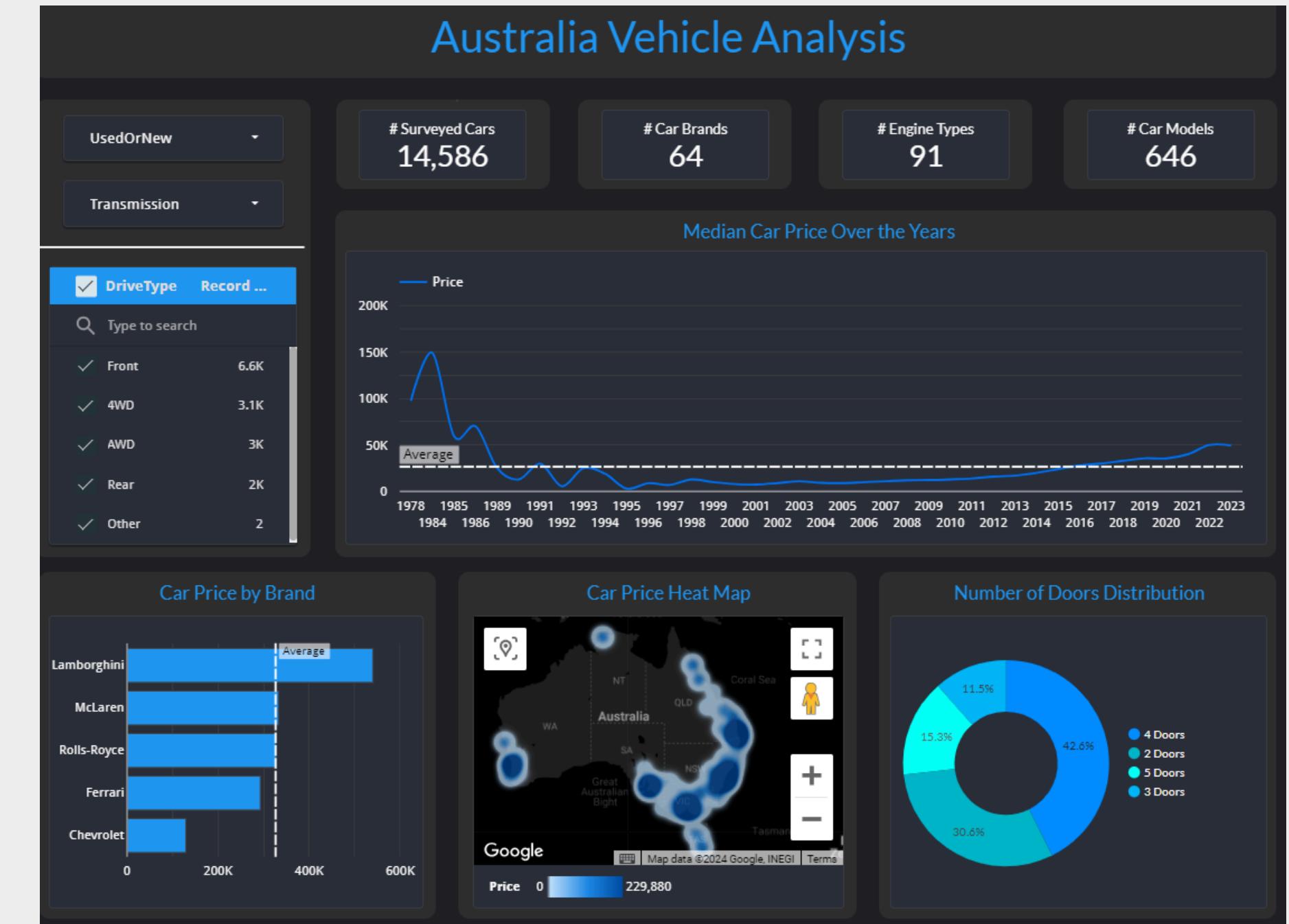
Australia Vehicle Price Analysis

PROJECT DESCRIPTION

This project shows the trends of vehicle price in Australia based on brands, number of car doors, transmission, and car type, in form of an interactive dashboard.

TOOLS

Looker Studio, Python



Project Link

<https://lookerstudio.google.com/reporting/2831a988-b46f-4d39-91a0-d03c2cb42c8a>

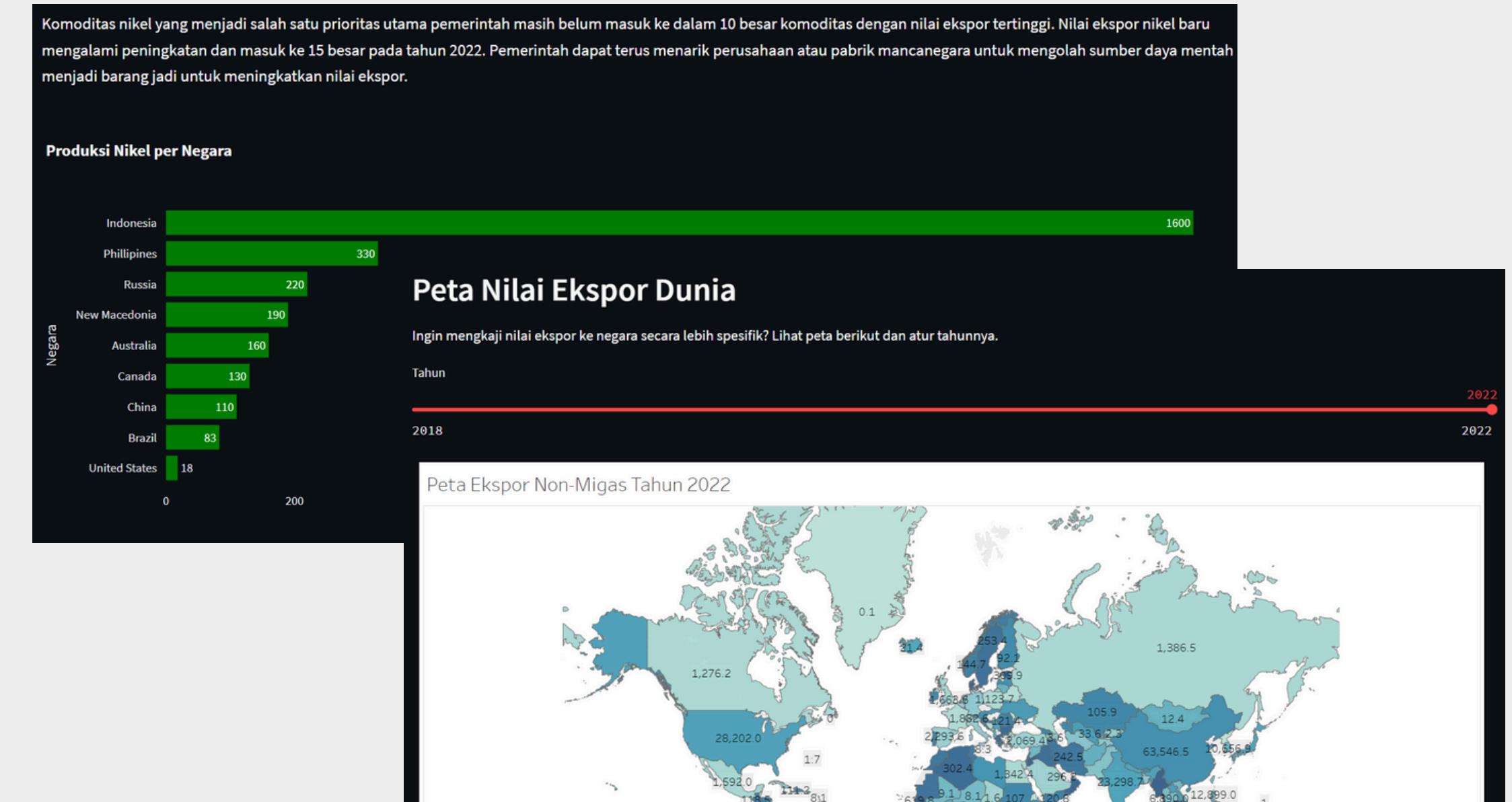
Indonesia's Last 10 Years Export & Import Analysis

PROJECT DESCRIPTION

This project aims to show the statistics of Indonesia's **export and import trend** in terms of value, commodity types, comparison with other countries.

TOOLS

Python, R, Streamlit, Tableau



Project Link

<https://dodyhariano-tetris-3-capstone-project-app-k6gx2y.streamlit.app/>

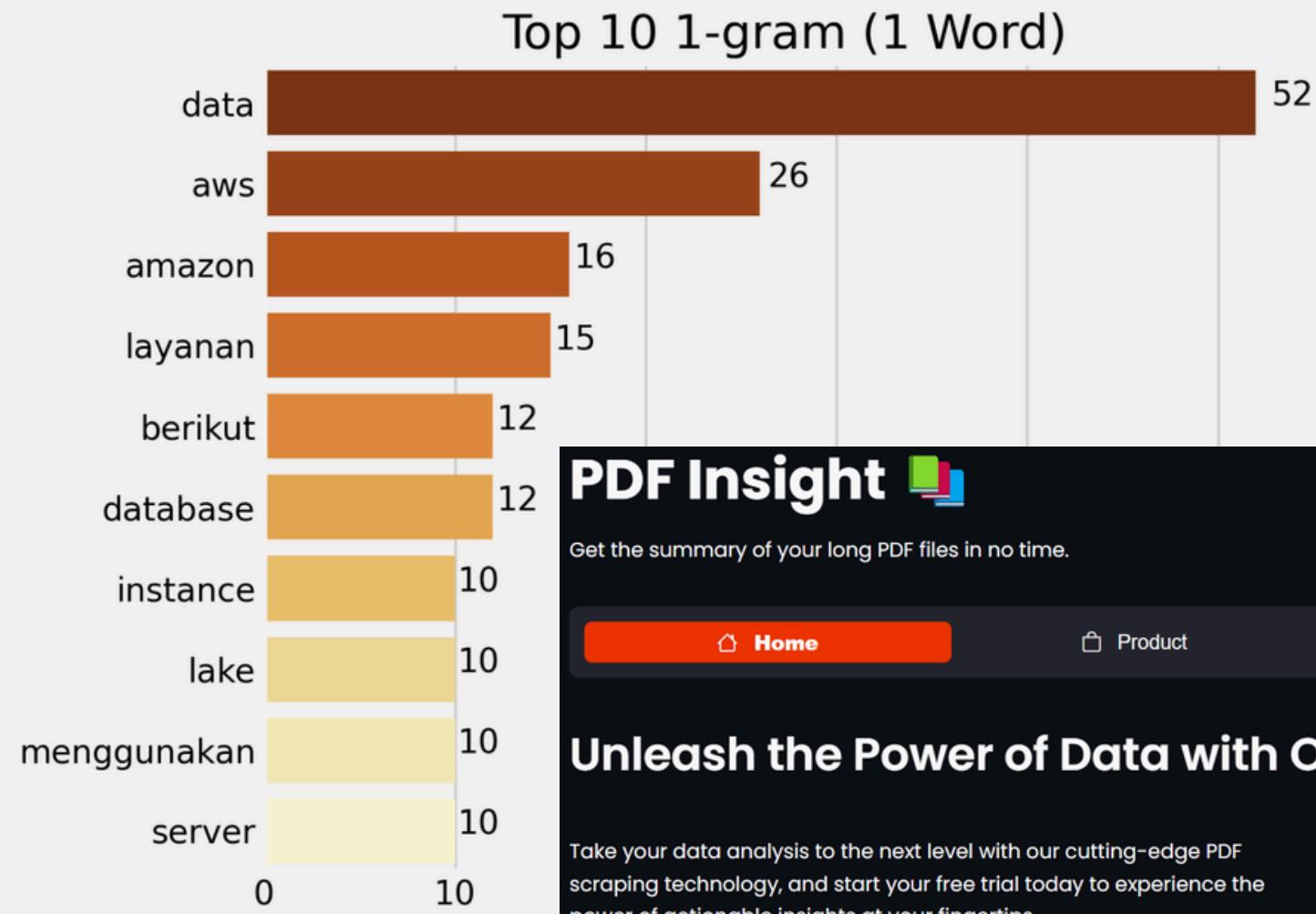
PDF Insight

PROJECT DESCRIPTION

This project aims to extract text from **PDF files** which can be used to generate insights and understanding about the topics that stand out in a PDF file, by using visual representation of text such as **word clouds** and **N-grams**.

TOOLS

Python, Pandas, Scikit-Learn,
PyPDF2, NLTK, Sastrawi



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Unleash the Power of Data with Our PDF Scraping Solutions

Take your data analysis to the next level with our cutting-edge PDF scraping technology, and start your free trial today to experience the power of actionable insights at your fingertips.

With our PDF scraping solutions, you can unlock valuable data hidden within PDF files and leverage it for in-depth analysis. Whether you need to extract textual information, perform sentiment analysis, or uncover trends and patterns, our cutting-edge technology has got you covered. By automating the extraction process, we save you valuable time and effort, allowing you to focus on deriving actionable insights from your data.



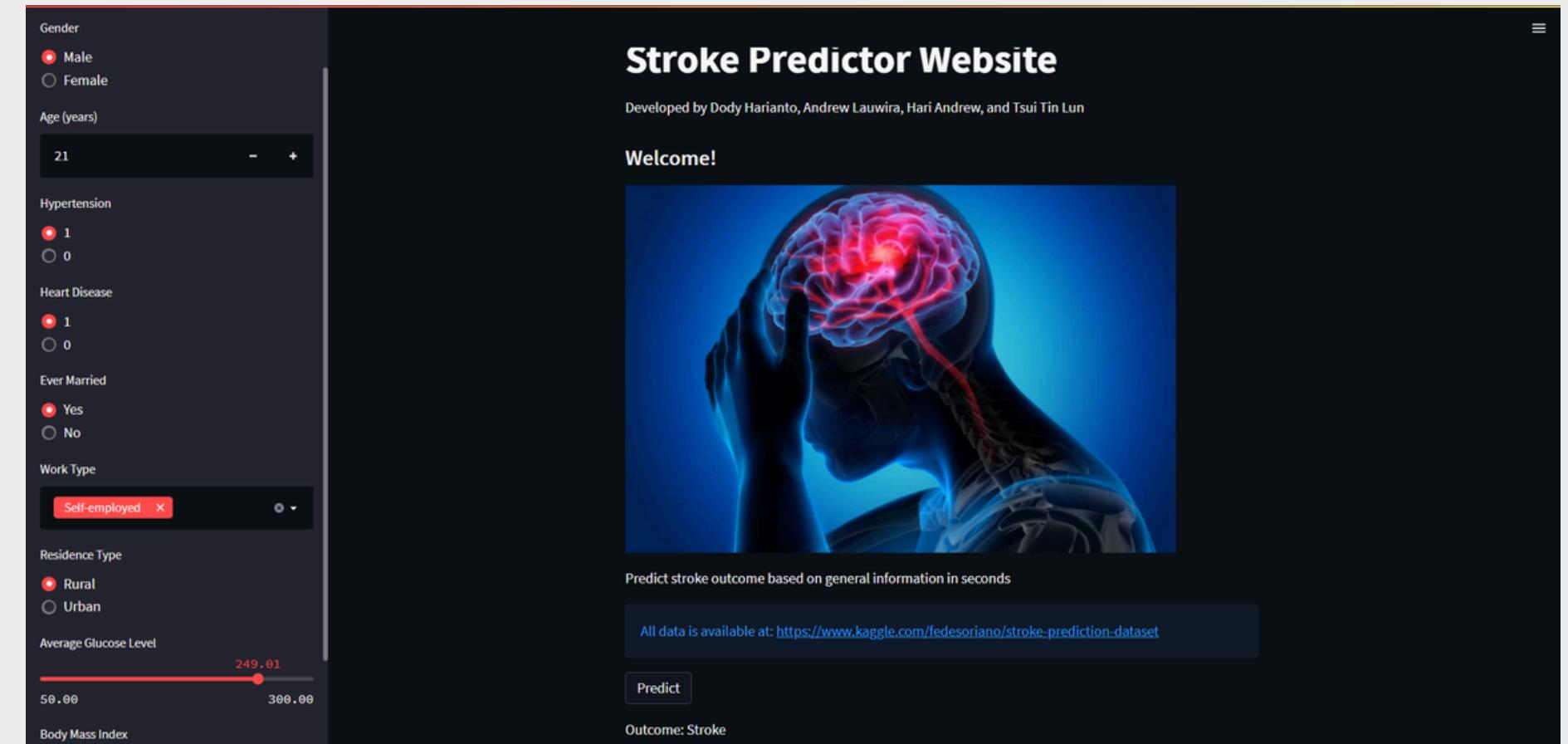
Project Link

<https://github.com/dodyharianto/pdf-social-media-scraping>

Stroke Predictor

PROJECT DESCRIPTION

This is a Machine Learning project to classify whether a person is normal or diagnosed with **stroke**. Synthetic Minority Oversampling Technique (**SMOTE**) is used overcome the imbalanced data. The final result of this project is a web application that is deployed using Streamlit library.



TOOLS

Python, Scikit-Learn, Streamlit, Pandas, NumPy

Project Link

<https://github.com/dodyharianto/ai-project-stroke-prediction>

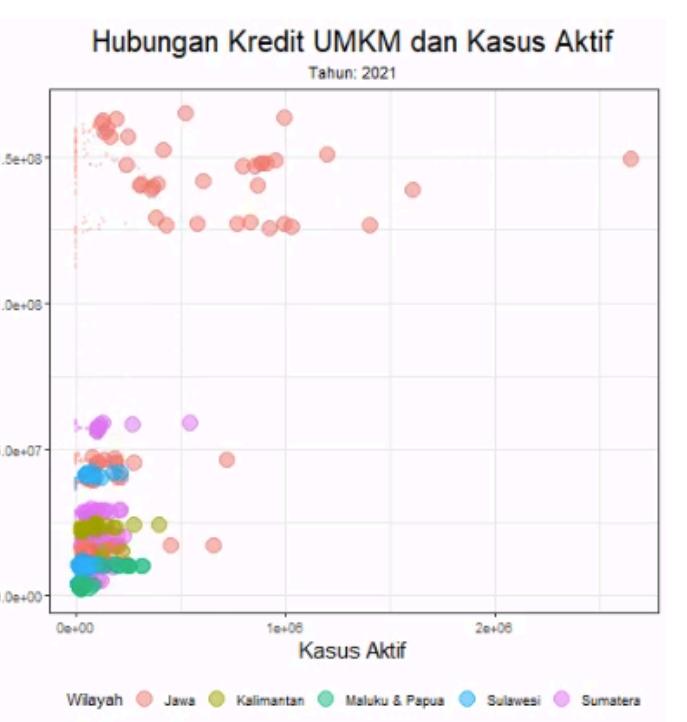
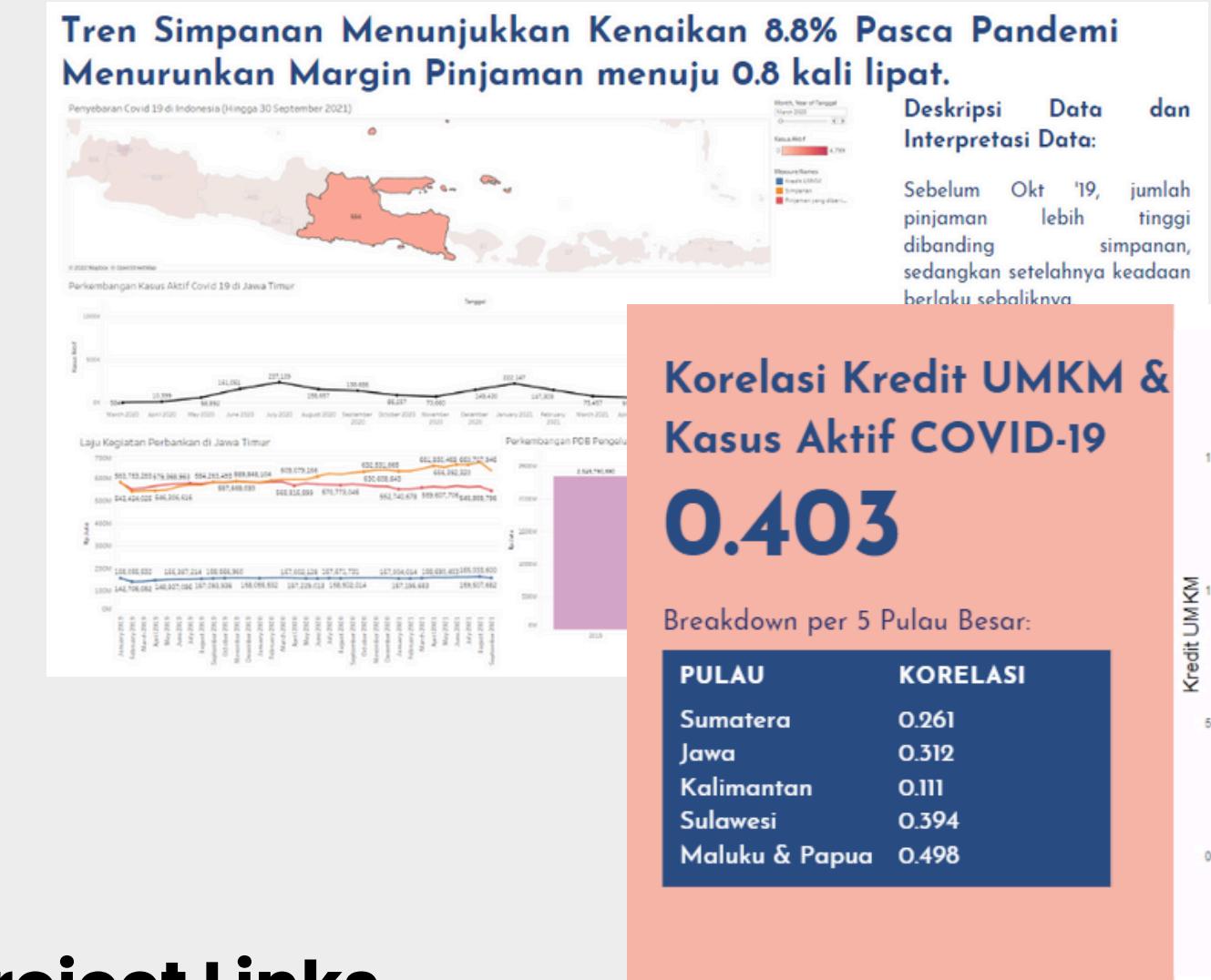
Analysis of Indonesian Banking Services Before & During Covid-19

PROJECT DESCRIPTION

This project analyzes the relationship between **banking activities variables** e.g. GDP, store, loan and **Covid-19 cases** in all provinces in Indonesia based on the data from Bank Indonesia (BI) and Government Ministry.

TOOLS

Python, R, Tableau, Seaborn, Matplotlib



Project Links

tabsoft.co/3K4zdOj

<https://github.com/dodyharianto/Klasa-Data-Science-Bootcamp/tree/main/Final%20Project>

SuniBatik

PROJECT DESCRIPTION

This is a Computer Vision project which is an **image classifier** than can classify 15 Batik patterns. The images are fetched from Kaggle and scrapped from articles.

The classifier uses **EfficientNet** pre-trained model.

TOOLS

Python, BeautifulSoup4, Selenium, OpenCV, Streamlit, Tensorflow, Scikit-Image

Batik Classification

This is a demo of Batik Classification app which can classify 15 different batik patterns: Bali, Betawi, Cendrawasih, Dayak, Geblek Renteng, Ikat Celup, Insang, Kawung, Lasem, Megamendung, Pala, Parang Poleng, Sekar Jagad and Tambal.

Please upload an image of batik to classify.

The classification result will be displayed below.

Upload an image of batik

Drag and drop file here
Limit 200MB per file • JPG, PNG

 72.jpg 38.0KB

This is Batik Sekar Jagad



Batik Classification

This is a demo of Batik Classification app which can classify 15 different batik patterns: Bali, Betawi, Cendrawasih, Dayak, Geblek Renteng, Ikat Celup, Insang, Kawung, Lasem, Megamendung, Pala, Parang Poleng, Sekar Jagad and Tambal.

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The classification result will be displayed below.

Upload an image of batik

Drag and drop file here
Limit 200MB per file • JPG, PNG

[Browse files](#)

 74.jpg 33.4KB

This is Batik Megamendung



Project Link

<https://www.linkedin.com/feed/update/urn:li:activity:6873279157451788288/>

Face Mask Classifier

PROJECT DESCRIPTION

This is a **image classifier** project to distinguish whether a person wears a mask, does not wear a mask, or wears a mask incorrectly. The images are labeled from XML files and trained using **CNN-based** pretrained models: ResNet and EfficientNet.

TOOLS

Python, Tensorflow, Keras, OpenCV

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Project Link

<https://github.com/dodyhariantto/Algorithm-Bootcamp-Scholarship/tree/main/Personal%20Projects/Deep%20Learning%20Final%20Project>

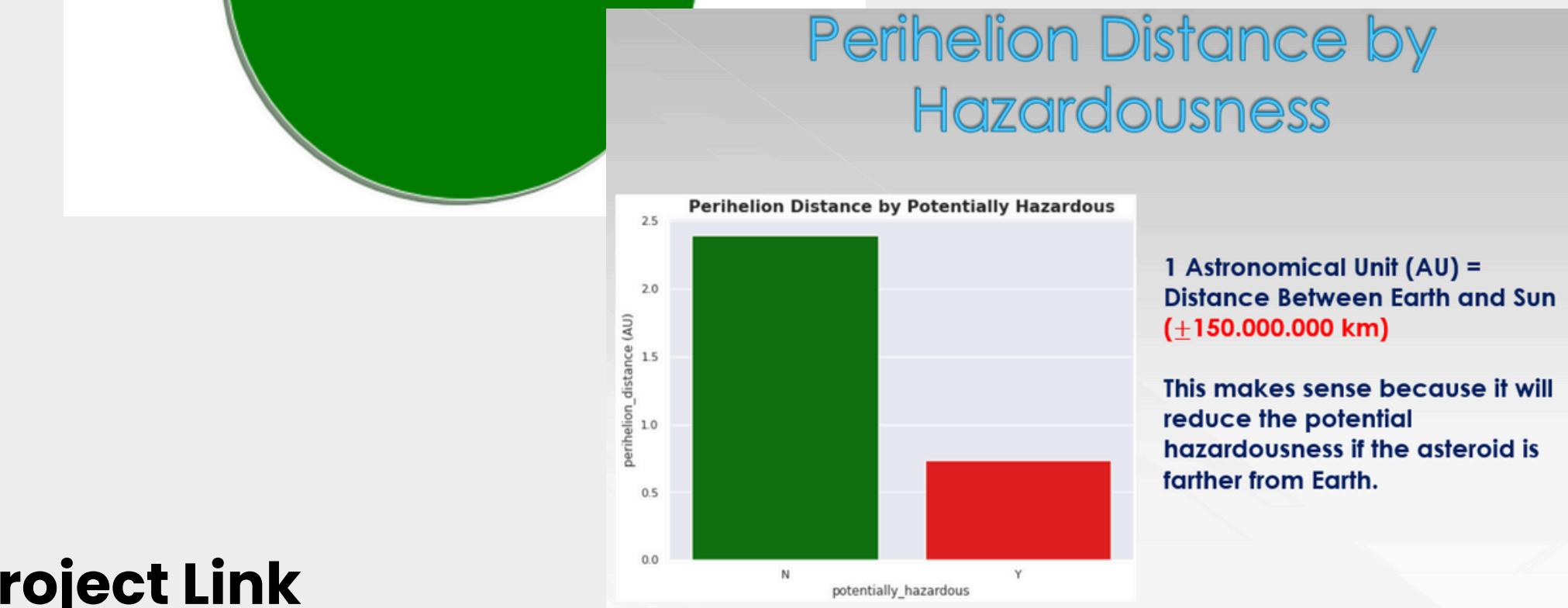
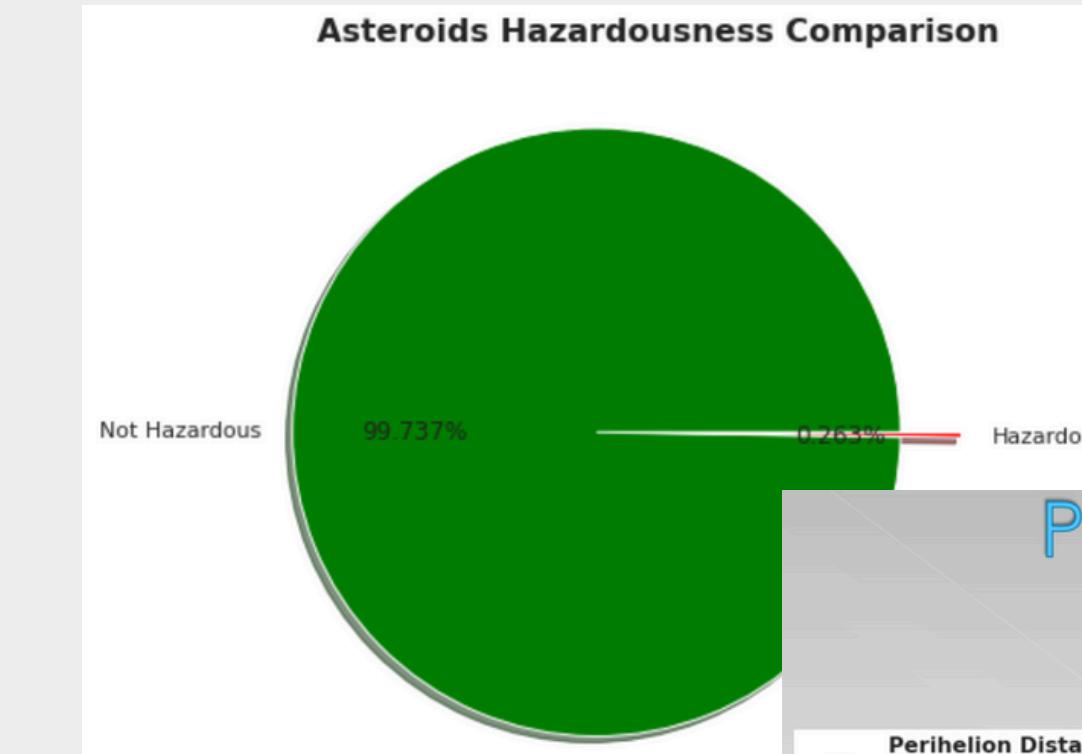
Asteroid Hazardousness Classification

PROJECT DESCRIPTION

This is a **binary classification** task to categorize whether an asteroid is potentially **hazardous** / harmful to Earth (which consists of over 900,000 observations) which is fetched from NASA and JPL.

TOOLS

Python, Scikit-Learn, Seaborn, Matplotlib, Scipy



Project Link

<https://github.com/dodyharianto/Algorithm-Bootcamp-Scholarship/tree/main/Personal%20Projects/Machine%20Learning%20Final%20Project>

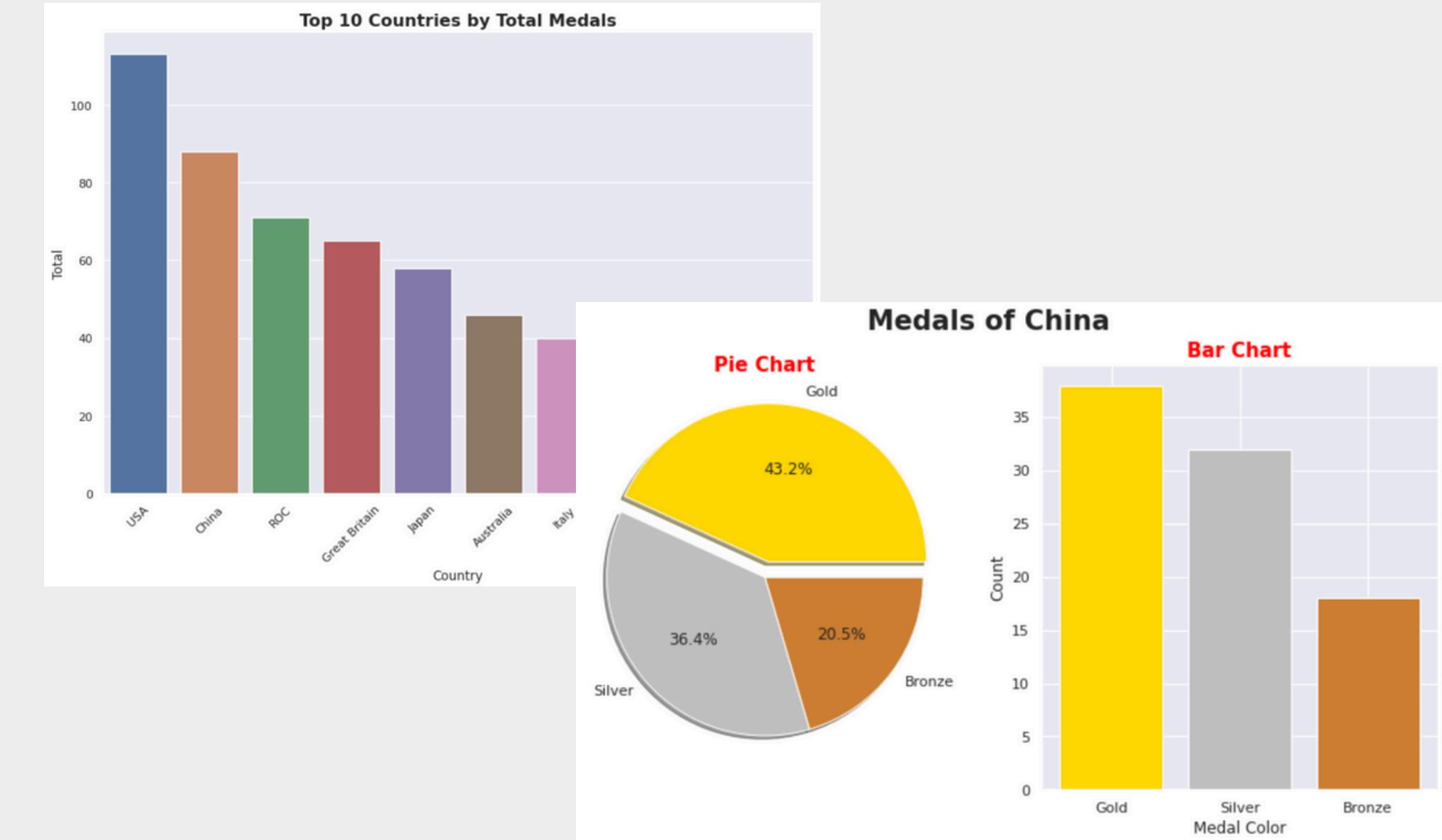
Tokyo Olympics Data Visualization

PROJECT DESCRIPTION

This project consists of visualizations based on the Tokyo 2020 Olympics. Visualizations include top countries by number of medals, medals proportion of each country, and relationship between number of **medals** and **median income** of countries.

TOOLS

Python, Pandas, Numpy, Seaborn, Matplotlib



Project Link

<https://github.com/dodyharianto/Algorithm-Bootcamp-Scholarship/tree/main/Personal%20Projects/Mini%20Projects%20and%20Case%20Studies/Data%20Visualization%20Project>

Site-X

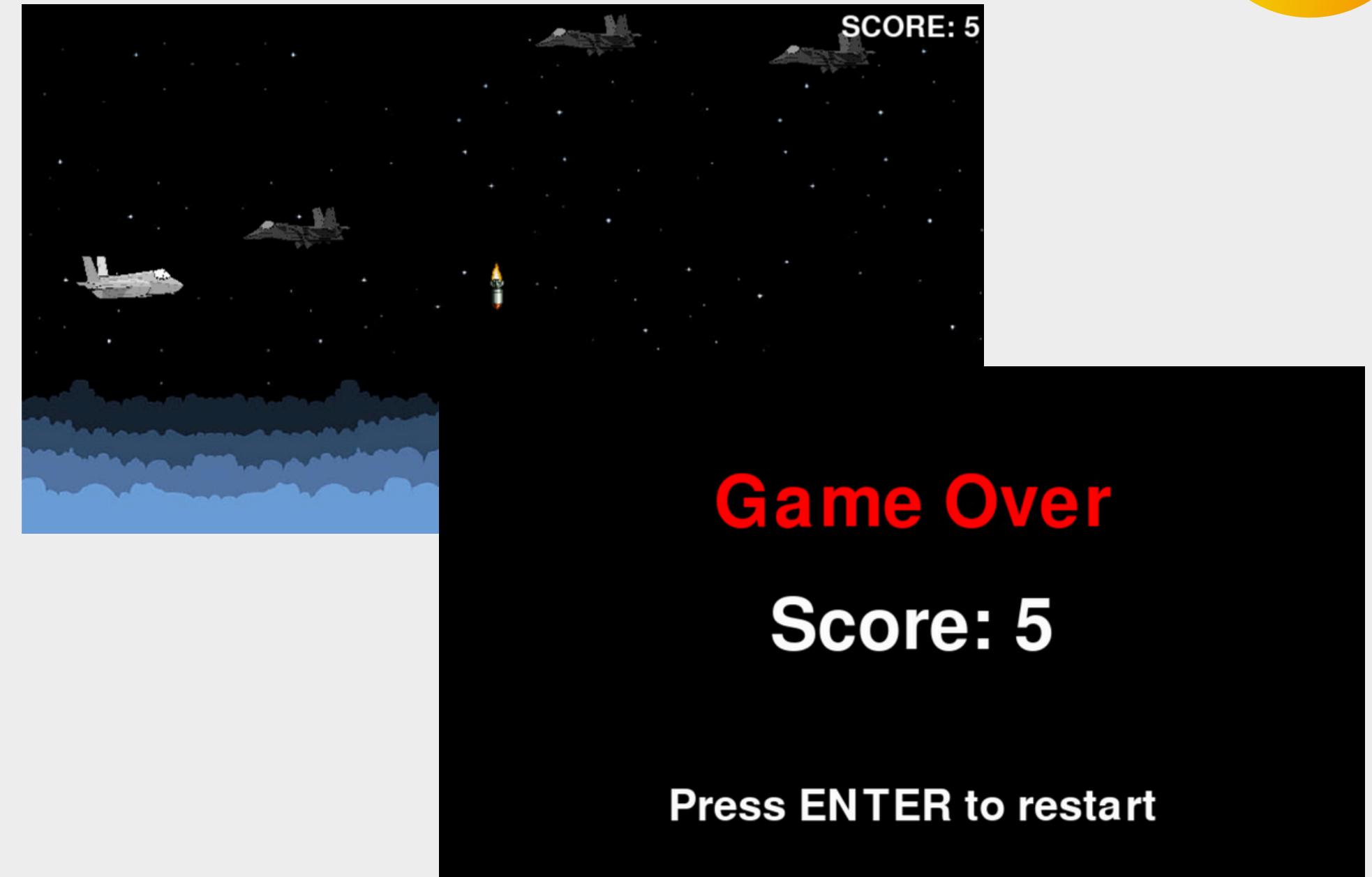
PROJECT DESCRIPTION

Site-X is a **survival game** which uses an aircraft as the main character. The aircraft can move by using W, A, S, and D keys and can shoot to get the highest possible score.

This game is built using **Pygame** library to display the window, render the characters, spawn enemies, etc.

TOOLS

Python, Pygame



Game Over

Score: 5

Press ENTER to restart

Project Link

<https://github.com/dodyharianto/Algorithm-Bootcamp-Scholarship/tree/main/Group%20Projects/Game%20Programming>