

# YOSUA SAPUTRA

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## LANGUAGES/SKILLS

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- Computer Languages:**
- Python(eg. Numpy, Pandas, Matplotlib),
  - SQL(MySQL),
  - R(Tidyverse: tidyr & dplyr, ggplot2)
- Software Tools:**
- Jupyter Notebook, Overleaf, Microsoft Excel, Wix

## ACADEMIC/SELF PROJECTS

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### Data Analysis Report

August 2021

#### *Student's Exam Scores Analysis*

- Demonstrated fundamentals in pandas and implemented various data manipulation operations for data set containing 1,000 students.
- Manipulated and analyzed data set to devise questions for possibilities into improving exam scores.
- Utilized matplotlib and constructed visualizations to compare specific groups of selected students associated with parental education and correlation between academic subjects
- **Link:** <https://github.com/ohayosua/Projects/blob/main/Self%20Data%20Report.ipynb>

### Time Series & Forecasting Analysis

Summer 2021

#### *Monthly Gas Production Analysis*

- Processed time series data which include non-stationary and seasonality and proceeded transformation methods and differencing to remove its seasonality and non stationarity.
- Constructed visualizations of the transformed data and obtained potential parameters for SARIMA model.
- Performed diagnostic checking for time series data's residuals including properties resembling White Noise and compared AICc values to determine best SARIMA model.
- Generated forecasting data while compare original data to infer overall analysis.
- **Link:** <https://github.com/ohayosua/Projects/blob/main/TIME-SERIES-ANALYSIS-GAS.pdf>

## EDUCATION

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### University of California, Santa Barbara

September 2018 - June 2021

#### *Bachelor of Arts in Statistics & Data Science / Bachelor of Arts in Economics*

- Relevant Coursework: Time Series, Principles of Data Science with R, Introduction to Statistical Machine Learning, Regression Analysis, Statistical Data Science, Probability and Statistics

## EXPERIENCE

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### UCSB Arts & Lectures

June 2020 - September 2020

#### *Online Student Ambassador/Web Designer*

Santa Barbara, CA

- Constructed templates for UCSB A&L website created for an online focus towards student content centered around arts and ideas.
- Designed potential layout for official website pages while generating content for weekly emails and developed weekly digital content.
- Collaborated with project teams to filter/input archives into the website and consistently update events, blogs, playlists, and data associated with A&L from existing Excel data set.