



Teo Jia Ling

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ASPIRING ANALYST AND STATISTICIAN

[Portfolio Website](#) | [Tableau Profile](#) | [GitHub Projects](#)

Prediction of HDB Resale Prices

- Analyzed factors affecting HDB resale prices and developed a predictive model algorithm with Random Forest Regression in Python to forecast HDB Prices
- Forecasted resale prices were adjusted for inflation with CPI values (forecasted using a Linear Regression model in Python)

Graduate Employment Analysis

- Analyzed graduate employment trends using Python and Tableau, providing insights into employment rates and career outcomes.
- Deployed a CatBoost model algorithm to predict future graduate outcomes.

Government Budget Analysis

- Analysed and visualized how the fiscal position of Singapore's government has changed over time
- Created visualizations in Tableau to report on the economic events leading to negative budget balance, while also visualizing government expenditure by ministry and budget flows by items

PROJECTS

APPS DEPLOYED

HDB Price Prediction App

(Specific Model, offering more features)

HDB Price Prediction App

(Generic Model, offering better accuracy)

Fresh Grad Salary Predictor App

(CatBoost model)

Dad Jokes Generator App

(API Automation)

SKILLS

- Data Querying and Extraction : **SQL**
- Data Cleaning : **Python (Regex), Excel**
- Data Analysis & Visualization: **Python (Pandas, Matplotlib, Seaborn), Tableau**
- Statistical Analysis & Machine Learning models
- Website Design : Basic **HTML/CSS knowledge**
- Strong communication and tutoring experience, able to explain complex topics clearly
- As a tutor, I discovered a love for helping others learn. Now, I channel that same passion into helping others learn insights from complex data through clarity, insightful visualizations and predictive models for forecasting.

EDUCATION

Bachelor of Social Science in Economics (Honours)

National University of Singapore

2023

Professional Certificate in Data Analytics and Visualization

National University of Singapore

2025

Graduate Certificate in Analytics and Visualization

Singapore University of Social Sciences

2026

EXPERIENCE

Self-Employed Tutor

2024 - Present

Ministry of Education

General Education Officer 2

(untrained)

06/2023 - 12/2023