Stephanie Patricia Anshell

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Data-science undergrad & finance minor, passionate about turning complex economic, social, and operational data into actionable insight. Skilled in machine learning, spatial analytics, and predictive modeling; Built ML, forecasting, and dashboard tools that cut stock-outs 20 %, halved decision time 50 %, and lowered material costs 15 %. Experienced across the full data pipeline (Python, SQL, Tableau). Fluent in English & Indonesian.

EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO — **La Jolla, California, USA**
Bachelor of Science in Data Science and Minor in Finance — Expected 2026

UNIVERSITY OF CALIFORNIA BERKELEY EXTENSION — **Berkeley, California, USA**
Certificate Data Analytics, Data Analytics Bootcamp — November 2023

SKILLS

Tools/Skills: Python • SQL • NoSQL • Tableau • Jupyter Notebook • Microsoft • JavaScript • MATLAB • C++ • Streamlit
Frameworks/Libraries: Pandas • Scikit-learn • Seaborn • TensorFlow • Matplotlib • Scipy • API • PySAL • GeoPandas
Other Skills: Data Cleaning • Statistical Modeling • Forecasting • Dashboarding • Budget Optimization • Accounting
Language: Indonesian (native) • English (fluent)

PROJECTS

TrueFork | Python, scikit-learn, Pandas, JavaScript | GitHub : github.com/stephaniepatriciaans/TrueFork | Live Site : stephaniepatriciaans.github.io/TrueFork/

- Explored 83 k Food.com recipes & ~1 M ratings; engineered a GridSearch-tuned scikit-learn pipeline (ColumnTransformer → RandomForest) to predict scores and test if unhealthy dishes rate higher
- Published an interactive HTML report via GitHub Pages that visualizes rating bias patterns and key model insights.

Loan Charge Offs | Python, scikit-learn, TensorFlow | GitHub : github.com/stephaniepatriciaans/Project-Loan-Charge-Offs

- Trained Random Forest & Deep-Learning models that reached 94.9% accuracy on credit-card charge-off prediction (↑ 6 pp over baseline logistic model).
- Delivered an interactive notebook that lets users tune risk thresholds and monitor misclassifications.

Urban Transit & Crime | GeoPandas, PySAL | GitHub : github.com/stephaniepatriciaans/Urban-Transit-and-Crime

- Analyzed 1 M+ NYC/Chicago records; Geographically weighted regression (GWR) mapped station-adjacent crime hotspots & socioeconomic risk.
- Interactive maps & dashboards fueled city-planning talks on equitable policing.

U.S. Bank Failures Across Recessions | SQL, JavaScript | GitHub : github.com/stephaniepatriciaans/Bank-Failures

- SQL/JS dashboard visualizes ~570 FDIC failures (2000-24) alongside Census economics; dynamic filters surface recession-era clusters.
- Local regressions quantify how failures erode regional GDP growth, spotlighting the U.S.'s most financially vulnerable regions.

Economic Trends | Python, FRED API | GitHub : github.com/stephaniepatriciaans/Finance

- Retrieved & analyzed macroeconomic time-series (assets, labor force) to monitor national banking health.
- Regression-based forecasts and visual reports support policy analysis of post-recession recovery

EXPERIENCE

GAF *(Authorized distributor of GAF Roofing materials in Indonesia, focused on supply chain operations.)* **Jakarta, Indonesia**
Data Scientist Internship — January 2024 - September 2024

- Forecasted demand with ARIMA & Decision Trees; improved accuracy by 15 % and cut stock-outs by 20 %.
- Created Automated KPI trackers in Tableau and reducing monthly reporting time.

STAL Cooperation*(A printing supplier for Indonesian hospitals and clinics)* **Jakarta, Indonesia**
Accounting & Data Analyst Internship July 2021 - August 2022 (Hybrid) & June 2023 - August 2023 (R)

- Digitized expense tracking and built ARIMA forecasts that lowered material costs by 15 %.
- Enhanced demand‑planning accuracy by 10 % by integrating sales history with external market indices.