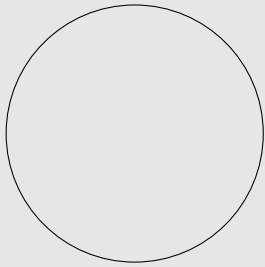


Chunyen Pan

<https://jimpan> [github.io](https://github.com/jimpan)



jimpan0612@gmail.com
[Visit my GitHub](#)
[@Chunyen Pan](#)
[Visit my portfolio](#)

About me

Hi, I'm Chun-Yen Pan, a passionate Data Analyst with a strong background in social data analysis and research. I hold a Master's degree in Social Data Analytics and Research from The University of Texas at Dallas (UTD) and have expertise in R, Python, and SQL. I have worked on projects involving large-scale data analysis, interactive dashboards, predictive analytics, and international relations research. Currently, I am self-learning ComfyUI and PyTorch, focusing on AI generative techniques and deep learning. I am actively seeking opportunities to apply my skills in data-driven roles, contribute to impactful projects, and gain hands-on experience in real-world applications.

Skills

Data Visualization
Microsoft Office
PyTorch
ComfyUI
ArcGIS
Machine Learning
Program Evaluation
International Law
Political Science

Interests

Swimming / Hiking /
News reading /
Japanese Mahjong /
Board Games /

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Master of Science - MS

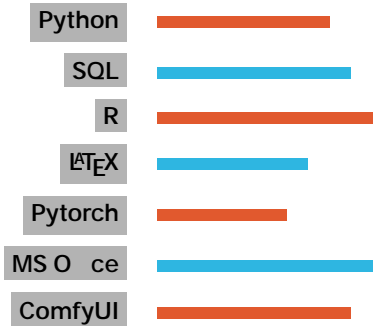
Social Data Analytics
Research The University
of Texas at Dallas

Bachelor's degree

Mathematical Physics -
Statistics
Dissertation: Socioeconomic
University, Taiwan

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Data Visualization

Data Analysis and Interactive Dashboard

Python, Plotly, Dash

Developed an interactive dashboard using Python to analyze and visualize financial data from TSMC and Samsung, as well as geopolitical events in East Asia.

Business Application:

Provided management with a clear visualization of market trends and competitive landscapes, enabling timely and accurate decision-making to drive strategy formulation and business development.

Data Collection

Network Structure of the Digital Advertising Market

Python, Pandas, Neo4j, BeautifulSoup, Plotly

Built a graph database using data scraped from ads.txt files to analyze the structure of the online advertising market (AdTech) and map relationships between publishers and platforms.

Business Application:

Helped businesses optimize advertising efficiency and improve the structure of advertising networks to enhance ad performance and market reach.

Machine Learning

International Relations Prediction

R, TensorFlow, Keras, Random Forest

Applied machine learning techniques (e.g., Random Forest and Deep Learning) to predict international relations by integrating socioeconomic factors and event data to analyze patterns of interaction and association between countries.

Business Application:

Assisted businesses in evaluating international market risks and opportunities, formulating cross-border operational strategies, and supporting geopolitical risk analysis to enhance decision-making success rates.

SQL Database

Chronic Disease Prescription Analysis for Major Hospitals in Taiwan

SQL, R, PostgreSQL, DB Browser for SQLite, Shinyapps.io

Utilized SQL and database technologies to analyze the prescription distribution of chronic diseases in major medical centers in Taiwan, assisting healthcare institutions in optimizing resource allocation.

Business Application:

Built an interactive Shiny App platform to integrate patient data, compare with other hospitals, identify resource utilization differences, and reduce medical resource waste.

