Ya-Wei Tsai

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EDUCATION

The University of Chicago   Chicago, IL
M.S. in Computer Science   Dec. 31. 2024 (Expected)
Relevant Coursework: Java Programming, Algorithms, Introduction to Unix Systems, iOS Development,
Cloud Computing, Distributed Systems

National Taiwan University (NTU)   Taipei, Taiwan
B.S. in Political Science   Jan. 31. 2022
Relevant Courses: Using R for Data Analysis

Double Major in Economics   Jan. 31. 2022
Relevant Courses: Marketing Analytics, Econometrics, and Machine Learning

Lund University (LU)   Lund, Sweden
Exchange Program in Social Science   Jan. 31. 2022

PROFESSIONAL EXPERIENCE

P.LEAGUE+ (Taiwan Professional Basketball League)   Taipei, Taiwan
Data Operations Analyst   *Sept.2022- July. 2023*
- Built players and referees' datasets using Synergy Stats and Python for teams and media.
- Visualized player's performance and analyzed characteristics of different teams by K-means method using Python for media use and for teams to conduct advanced analysis.
- Analyzed customer behavior using Python and Excel.

PROJECT / ACADEMIC / RESEARCH EXPERIENCE

Analyze The Effect of Bubble Shock In The Post-Japan Asset Price Bubble Period Economy   Taipei, Taiwan
Jan. 2022- July. 2022
- Analyzed the effect of the shock of the asset price bubble and the fluctuation of the stock price to the macroeconomy in Japan after the Asset Price Bubble Period using Stata and R to conduct Ordinary Least Squares regression (OLS), Structural Vector Autoregression Model (SVAR), and Impulse Response Function (IRF)

Analyze the relationship between housing prices and total fertility   Taipei, Taiwan
Jan. 2022- July. 2022
- Analyzed the relationship between the house price and fertility rate in Taiwan using Python and R to run OLS and use interest rate, and home loan index as Instrument Variable (IV)

Marketing Analytics in the game industry (MBA program)   Taipei, Taiwan
Jan . 2021- July. 2021
- Cooperated with iCan Entertainment co., ltd and help them do find the best advertising plan.
- Analyzed valued customers by RFM model and used cluster analysis and text similarity analysis to find which kind of topics and advertisements can keep and appeal to much more valued customers to play the game using R

SKILLS

Technical Languages: Python, Java, C++, C, HTML, Javascript, Swift, SQL, Stata, and R
Languages: Chinese, English