Hsiu-Hsuan Yeh

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Employment History

2023 - Present

Research Assistant at Behavior and Data Science Research Center

I am a part-time research assistant for Professor Chih-Sheng Hsieh. I am working on utilizing the annual Call Detailed Records data with over 1 billion samples for each month, hoping to have some economic insights.

2023 - 2024

Research Assistant at Department of Economics, National Taiwan University

I am a part-time research assistant for Professor Ziho Park. I utilize the ChatGPT API to re-construct the EPU(Economic Policy Uncertainty) Index. I am also the first author of this project.

2022 – 2024

Research Assistant at Academia Sinica

I am a part-time research assistant for Professor Tzu-Ting Yang. In this position, I apply XGBoost algorithm to classify the treatment and control group of minimum wage policy.

2022 - 2023

Research Assistant at Department of Economics, National Taiwan University

I am a part-time research assistant for Professor Hung-Jen, Wang. My job is to rewrite the Julia package, SFrontiers.jl in a modular manner.

2023

Teaching Assistant of the course, Introduction to Numerical Methods in Economics and Econometrics

I taught the basics of the Julia programming language, wrote some homework solutions, and graded all the homework assignments for this course

Education

20023 -Present

M.A. Economics, National Taiwan University

2019 – 2023

B.A. Economics, National Taiwan University

Research Experience

Automated Construction of Economic Indices with Chung-Chi Chen, Yu-Lieh Huang, Ziho Park

This paper seeks to explore the reliability of LLM-suggested keywords in the automatic construction of the Economic Policy Uncertainty (EPU) index, a representative keyword-based economic indicator utilized across numerous countries.

Skills

Languages	Mandarin, English
Coding	Julia, Python, R, LaTeX, C, C++, Shell Script, Lua
Software Development	Git, Docker, Poetry, GoogleTest, Makefile, pytest, Playwright
Artificial Intelligence	LangChain, MLflow, DVC, Hydra, XGBoost, Streamlit
Social Network Analysis	Dask-cuDF, cuDF, cuGraph, Graphistry
Web Scraping	HTTPX, Selectolax, MongoDB
Misc.	Neovim, Arch Linux