

Jia-Zhen Zou

✉ jiazhenzou0711@gmail.com | 📄 hate20130527 | 🌐 jiazhen-zou | 📱 kasazou.me

Education

National Taichung University of Science and Technology (NUTC / NTCUST)	Taichung, Taiwan
M.S. in Computer Science and Information Engineering	2022 - Present
National Taichung University of Science and Technology	Taichung, Taiwan
B.B.A. in Applied Statistics	2017 - 2021

Publication

P1 Study and Forecast of Cases of Flu and Their Complications

Jia-Zhen Zou, Jau-Chuan Ke, Yu-Hung Chien et al.
Journal of the Chinese Statistical Association (JCSA), 2021

Experience

National Taichung University of Science and Technology	Taichung, Taiwan
Applied Statistics Teaching Assistant(TA)	2018 - 2025
◦ Migrated 48 Minitab exercises into Python (Pandas, NumPy, Statsmodels, Matplotlib)—reducing analysis time by 37% and enabling 48-hour feedback—while grading 500+ assignments and holding 5+ one-on-one sessions, boosting average grades by 15%.	

Awards (see more details: kasazou.me)

Frist Place, 2024 TBIA Dataathon	Biodiversity Research Center, Academia Sinica	2024
◦ Watch your back —Processed 40K records into 500+ high-quality data and delivered a dashboard within 7 days, earning 1st place (Python, Tableau)		
Second Place, Project Competition (see P1)	Applied Statistics, NUTC / NTCUST	2020
◦ Flu Time Series Forecast —Built ARIMA/SARIMA and Holt-Winters models on 655 weeks of CDC data, achieving MAPE < 10% (Python).		

Certifications

Artificial Intelligence Literacy - Specialist	GLAD	2024
MOEA Certified Big Data Analyst - Associate Level	iPAS	2021
Certificate of Statistic Analysis - Outstanding Award	CASA	2021

Skills

Programming Languages: Python (primary), SQL, R (basic), HTML / CSS (Web crawler basic)
Tools and Frameworks: Git, Pandas, Numpy, Matplotlib, Scikit-learn, PyTorch, Tableau, PowerBI, SPSS, Minitab
Knowledge: Time Series Forecasting, Statistical Machine Learning, Data Visualization
Languages: Chinese (native), English