Kuan-Hung Chen

+886 970 492 633 • kc.khchen@gmail.com • kckhchen.com
khchentw • kckhchen

MSc Statistics and BA Economics graduate bridging advanced mathematical modelling with data analytics, transforming complex datasets into actionable business intelligence.

Education

University of Warwick **Coventry, UK**
MSc in Statistics (with Distinction) *2024/09–2025/09*
Focus: *Statistical Inference, Data Analysis, Monte Carlo Methods, Machine Learning, Neural Networks*

National Taiwan University **Taipei, Taiwan**
B.A. in Economics & B.A. in Foreign Languages and Literatures *2019/09 – 2024/06*
Double Major, Overall GPA: 3.9 / 4.3
Focus: *Futures & Options, Security Market Microstructure, Financial Management, Econometrics*

Experience

Freelance Translator (English to Mandarin Traditional) **Taipei, Taiwan**
Various Agencies *2023/03 – Present*

- Managed concurrent deadlines across multiple localisation agencies, delivering 70+ hours of translated multimedia content with strict adherence to client style guides and zero missed deadlines.

Market Research Intern **Taipei, Taiwan**
KANTAR Worldpanel *2023/06 – 2024/04*

- Evaluated FMCG companies' market performance with KANTAR's database management software, visualised key market trends, conducted demand forecasting, and presented insights to client companies.
- Engineered 10+ Python and VBA data pipelines to automate rigorous quality checks, ensuring the integrity, completeness, and timeliness of large-scale market datasets.
- Analysed complex market datasets to identify the root cause of anomalous trends, continuously monitoring fast-changing landscapes to communicate data-driven cause-and-effect insights to senior stakeholders.

Academic Projects

MSc Dissertation (University of Warwick)
Probabilistic Weather Forecasting with Recursive Algorithms and Vine Copulas *2024/09*

- Engineered an efficient probabilistic forecasting model utilising NN frameworks (PyTorch) and Vine Copulas, demonstrating advanced statistical frameworks directly applicable to analysing multi-asset solutions and complex market indexes.
- Implemented a Quasi-Bayesian recursive density estimation algorithm to enable "online" learning.
- Designed the system to dynamically update predictions upon new data ingestion, showcasing the ability to maintain and review sophisticated mathematical models in fast-changing environments.

Skills

Programming: SQL, Python (Pandas, NumPy), C++, R, VBA, JavaScript, Ruby

Data Analysis: Stata, Tableau, Advanced Excel, Time Series Forecasting, Hypothesis Testing

Machine Learning and Deep Learning: Scikit-learn, CNN, RNN, LSTM, PyTorch, TensorFlow

Languages: Mandarin (Native), English (Professional; IELTS Academic 8.0), German (Intermediate)