Humphrey Yang

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EDUCATION

Australian National University   Canberra, ACT

Ph.D. in Economics   February 2024 – Now
Committee: John Stachurski and Thomas J. Sargent

Bachelor of Applied Data Analytics   July 2019 – June 2023
Bachelor of Politics, Philosophy, and Economics   July 2018 – July 2021
Rewards:

- Chancellor's Letter of Commendation   2020-22 Academic Year
- Smarterknowledge Prize for Data Wrangling

EMPLOYMENT HISTORY

Research Assistant | QuantEcon   July 2022 – Now
Research Assistant | RSFAS, ANU   July 2023 – June 2024
Research Affiliate | Data 61, CSIRO   March 2023 – July 2023
Summer Research Internship | Data 61, CSIRO   November 2022 – February 2023

PUBLICATIONS AND RESEARCH PROJECTS

Working Papers

1. **Dynamic Programming: Optimality at a Point Implies Optimality Everywhere**
   with John Stachurski and Jingni Yang

2. **Machine Learning a Ramsey Plan**
   with Thomas J. Sargent

3. **Ramsey Plan for Calvo's Model**
   with Thomas J. Sargent

Published

1. **QuantEcon.py: A community-based Python library for quantitative economics** with Quentin Batista, et al. *Journal of Open Source Software, 2024*

2. **Copyright Protection and Accountability of Generative AI: Attack, watermarking and attribution** with Haonan Zhong, et al. *Companion Proceedings of the ACM Web Conference, 2023*

Previous Projects

1. **Benign Overfitting in Linear Regression with Separable Variance–Covariance Structure**
   with Yanrong Yang and Hanlin Shang

2. **Privacy-preserving Record Linkage in the Presence of Missing Data using Graph Learning**
   with Anushka Vidanage and Thilina Ranbaduge

Teaching

RSFAS, Australian National University

Principles of Mathematical Statistics for Actuarial Studies (STAT6013) – Tutor	Semester 1, 2023
Statistical Learning (STAT6040) – Tutor	Semester 1, 2023
Graphical Data Analysis (STAT3011/STAT4026/STAT7026) - Marking Assistant	Semester 2, 2022
Quantitative Research Methods (STAT1008) – Tutor	Semester 2, 2022

Additional Information

Technical skills:

- Proficient in Python, SQL, R, PyTorch, Bash, LaTeX, and Markdown.
- Familiar with C, Java, Julia, high-performance computing, and Sphinx.

Languages:

- English (Proficient; IELTS 8.5), Mandarin Chinese (Native).