

Yuchao Tao

+44 (0)7498531617 | y.tao19@lse.ac.uk | [linkedin.com/in/yuchao-tao-831523221](https://www.linkedin.com/in/yuchao-tao-831523221)

EDUCATION

The London School of Economics and Political Science

Sep 2021 - July 2022

- Master of Science in Health Data Science (Distinction Expected)
- Modules include: Data Analysis and Statistical Methods, Distributed Computing for Big Data, Managing and Visualizing Data, Health Economics, Statistical Methods in Health Care Economic Evaluation, Reinforcement Learning

Beihang University (Beijing University of Aeronautics and Astronautics)

Aug 2016 - June 2020

- Bachelor of Economics in Economic Statistics (Core GPA 3.7/4.0, top 20%)
- Modules include: Applied Statistics (98/100), Data Analysis (96/100), Econometrics and Macroeconomics (95/100), Statistical Computing with Big Data (93/100), Corporate Finance (91/100)

WORK EXPERIENCE

Chinese Academy of Agricultural Science (Research Assistant)

Sep 2019 – June 2020

Project: The Classification and Identification Technologies and Application of Multi-species and Multi-origin based on Composition Characteristics

- Analysed the pre-processing, visualisation and comprehensive component extraction of million-scale data to obtain characteristic information on quality components
- Originally constructed the feature discrimination model of component data with the combination of component data analysis, machine learning, PLS-DA and other methods
- Developed feather description and classification of quality components of different rapeseed from different producing areas through PCA, and generated visualisation reports
- Tested the quality component characteristics discrimination model repeatedly which discrimination rate reached 98% and realized model into industrial application

Chinese Academy of Agricultural Science (Data Analyst)

Mar 2019 – Aug 2019

Project: The Construction of Pesticide Residue Index System

- Proposed a complete construction method of pesticide residue index based on the big data of pesticide residues detection of more than 100 kinds of vegetables in China from 2014 to 2018
- Implemented plan of a five-stage risk level and threshold setting according to the basic properties of pesticide residue index
- Developed the simulation of the application of the pesticide residue index and generated a over 50 pages of data analysis and visualisation report
- Wrote (as the second author) the thesis Comprehensive Evaluation of Chinese Vegetable Pesticide Residues Based on Improved Nemerow Index

ADDITIONAL EXPERIENCE

Student Union of School of Economics and Management, Beihang University Chairman of Conference Department and Office

Sep 2016 – June 2019

- Coordinated plenty of Boya lectures and high-end forums, attracting a total number of over 15,000 participants from all faculties of Beihang University
- Received recognition of work from keynote speakers including the Minister of Industry and Information Technology of China and the President of the China Association for Science and Technology
- Managed the planning and in-site implementation of two university sports meetings and the 60th anniversary of Beihang University, which over 30,000 students and alumni attended

ADDITIONAL SKILLS

IT SKILLS

- Data processing: proficient in R and SQL, good in Pyspark
- Data mining and analysis: proficient in R, SQL
- Data visualization: proficient in R (ggplot2) and Python (Pandas)
- Programming Certificate: Data Analyst in Python & SQL Fundamentals from DATAQUEST; Design Databases with PostgreSQL & How to Analyze Business Metrics with SQL from CODECADEMY

LANGUAGE SKILLS

- Advanced in English: PTE overall 69/90 (spoken 81/90), equivalent to IELTS B and 7.0
- Native in Mandarin

AWARDS

- Outstanding Graduate of Beihang University, June 2020
- Excellent Student Leader in the Student Union of School of Economics and Management, Beihang University, Apr 2019
- Excellent Student Minister in the Student Union of Zhizhen College, June 2018
- Excellent Student Staff in the Student Union of School of Economics and Management, June 2017