Qi KUANG

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EDUCATION

Paris School of Economics Sept. 2021 – Sept. 2024
Analysis and Policy in Economics (APE) │ Graduated with honors *Paris, France*
- **Relevant Courses:** Advanced Microeconomics, Advanced Econometrics, Advanced Microeconometrics, Machine Learning, Welfare Economics and Applications, Development Economics Seminar, Political Economy
- **Thesis:** Resilience in the Face of Climate Variability – Analyzed the impact of climate shocks on household decisions using satellite data, QGIS, Stata and Python.
- **Honours:** Bourse de Master au titre de l'année universitaire 2021-2022

Zhejiang University (ZJU) Sept. 2017 - June 2021
Bachelor of Economics in Economics │ GPA: 3.87/4.0 *Hangzhou, China*
- **Relevant Courses:** Advanced Microeconomics, Intermediate Macroeconomics, Intermediate Econometrics, Game Theory, Mathematical Economics, Public Economics, Development Economics, Research Methods in Social Science
- **Honours:** ZJU Academic Scholarship for three consecutive years (2018, 2019, 2020)

WORKING EXPERIENCE

OECD: Directorate for Education and Skills Sept. 2024 - Present
Data Scientist, INES (Indicator for Education System), Education at a Glance Publication *Paris, France*
- Manage non-finance questionnaires of UOE (UNESCO-OECD-Eurostat) data collection, validate data, and liaise with national delegates and international organizations.
- Develop and refine tools (e.g., R scripts, Stata codes) to ensure data quality, comparability, and indicator analysis.
- Lead school/institutional-level data collection projects, clean and validate datasets including geospatial analysis, and draft working papers.
- Conduct analyses on education systems, focusing on primary education, vocational training and disaggregated data at the school/institutional level.

OECD: Directorate for Education and Skills Sept. 2023 - Aug.2024
Intern, INES (Indicator for Education System), Education at a Glance Publication *Paris, France*
- Cleaned and validated 100+ administrative datasets using R and Stata, ensuring data accuracy and comparability.
- Improved data cleaning and indicator calculation processes through enhanced R scripts and Stata do-files.
- Contributed to the development of new indicators for evaluating formal adult education programs across OECD countries.
- Supported the disaggregated data collection project at the school level, including dataset cleaning, R code creation, and data visualization using QGIS and Python.

RESEARCH EXPERIENCE

Resilience in the Face of Climate Variability Dec. 2022 – Feb.2024
Master Thesis Project, Supervisor: François Libois *Paris, France*
- Collected satellite data on floods that have occurred over the past ten years in Bangladesh, as well as temperature and precipitation data spanning 20 years
- Used QGIS and Python to extract data on floods, temperature and precipitation, and performed zonal statistics for 484 upazilas
- Used Stata to calculate weather anomaly indicators for each upazila, following methods outlined in previous literature
- Collected and cleaned household data from three waves, each containing over 6000 households, and performed dataset matching based on geographical information by using Stata
- Used Stata to estimate the effect of frequent natural disasters on households' choices

The Political Economy of Environmental Regulation: Evidence from Sand Mining Sector in India Sept. 2022 – Apr. 2023
Research Assistant to Professor Caterina Gennaioli *Paris, France*
- Processed and analysed a dataset comprising over 18,000 web-scraped documents using R
- Implemented various supervised machine learning methods to predict the document quality to support the ongoing project
- Utilized QGIS and Python to calculate geographical parameters of mining sites, including distance, area, and other spatial metrics, enhancing spatial analysis and project insights

Analysis on the Impacts of the Fiscal Transfers on China's Population Agglomeration Jan. 2021 - Sept. 2022
Research Assistant to Ph.D. Candidate Boxiao Zhang from UCLA *Hangzhou, China*
- Reviewed empirical literature on agglomeration and summarized the features of the theoretical models
- Collected and cleaned relevant data of 672 cities and 2,863 districts and performed the name matching by using Stata
- Used Stata to estimate TFP at different levels with different estimation methods. Drew the diagrams of TFP against fiscal transfers of different years and different areas in order to support the analysis on the question about how far China's current fiscal transfers are from the efficient status

Social Integration of Relocated Group: An Empirical Analysis in Huangping County, Guizhou May 2018 - May 2019
Research Team Leader, Supervisor: Hongdong Guo *Hangzhou, China*
- Designed a comprehensive questionnaire to capture the economic, social, and psychological impact of poverty-alleviation-oriented relocation policies on the relocated people and to identify practical problems in the process of policy implementation
- Conducted onsite surveys and interviews for over 500 relevant groups, including relocated people, government staff, and local factory directors
- Performed descriptive and exploratory analyses based on a collection of 478 valid responses and proposed countermeasures to promote the social integration of the relocated group and improve their quality of life

- **Awards:** Won provincial third prize and university-level first prize in "Challenge Cup" Extracurricular Academic and Technological Works Competition for College Students, and provincial second prize in "Policy Discussion in China" Contest; completed a paper as the co-author, which is published on the *Journal of Guizhou University* in No.2 2021

School of Economics, Zhejiang University   **Jan. 2019 - Oct. 2019**
Research Assistant to Professor Yousha Liang   *Hangzhou, China*
- Used ArcGIS to map over 2,000 development zones in order to support the research on the impact of development zones on enterprise innovation
- Extracted geographical information of the development zones and did zonal statistics by using QGIS

LANGUAGES & SKILLS
- **Technical:** R, Stata, Python, QGIS, ArcGIS, Power BI, SPSS, LaTeX.
- **Data Analysis:** Data cleaning, econometric analysis, machine learning, spatial analysis, data visualization.
- **Field Research:** Questionnaire design, structured interviews, data collection, stakeholder engagement.
- **Languages:** Mandarin (native), English (full professional proficiency), French (basic).

NOTES FOR APPLICATION TO ECORYS (UK)
- Eligible for Skilled Worker visa sponsorship (willing to support application)
- Open to UK relocation