Ningyi(Shiny) Shi

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https://ningyishi.github.io/

EDUCATION

University of Oxford Oct 2020 - Jul 2023
Bachelor of Arts in Philosophy Politics and Economics Oxford
Classification: Second Class, Division one (Merit)
Coursework: Microeconomics, Macroeconomics, Quantitative Economics, Econometrics, Microeconomic Analysis, Comparative Politics, International Relations, Politics in China

University of Washington (Seattle Campus) Since Sep 2024
Economics PhD Seattle
Coursework: : Microeconomic Analysis I (4.0/4.0), Macroeconomic Analysis II (4.0/4.0), Econometrics I (3.9/4.0)

Academic honors

Glendover Elementary School Soaring Eagle award; Glendover Elementary School Academic Excellence Award; Lime House School Accounts Prize; Lime House School Half-Prize Scholarship; Senior Mathematical Challenge Gold Certificate; Lincoln College Collection Performance Prize

RESEARCH PAPER

Homophily in Global Trade 8th Nov 2023 - 21th Dec 2023
Ningyi Shi
Accepted by 3rd International Conference on Business and Policy Studies (CONF-BPS 2024) on 21th Dec 2023
https://www.researchsquare.com/article/rs-3898971/v1

Confirmed homophily in global trade using post-COVID data; differentiated prevailing homophily explanations into concord and nexus effects. Discovered intricate interplays among religious similarities, regional trade agreements, and social connectedness in shaping trade patterns. Revealed the confounding relationship between educational parallels and social connectedness in driving bilateral trade.

- Data collection: Explored for datasets appropriate to research question, by referencing relevant literature using academic search engines (Google Scholars) and databases (Web of Science)
- Data cleaning (tidyr, dplyr packages): Addressed inconsistencies in country denotations and units of observation across data sets; computed missing data where feasible; Computed country pair variables from data on individual countries.
- Data analysis: Usage of lm() function to conduct log linear regression models. Use of Stargazer () with different types (latex, html) to present regression tables, where desired format was adjusted flexibly. Usage of statistical functions such as BIC() to check model fit.
- Theoretical innovation: Conducted an exhaustive literature review through citations and references in peer-reviewed journals, gaining insights into seminal and contemporary research across relevant fields. Employed an interdisciplinary approach to validate the innovation of concord and nexus effects.

RESEARCH CAPACITY

Political Analysis (Qstep) (distinction, 74) Oct 2020 - Mar 2021
course provided by University of Oxford Oxford

production of a thesis on the impact of Democratic legislature systems on Economic Development

- Experience in acquiring theoretical support for research through literature exploration, using "Patterns of Democracy" by Lijphart 1999 as the theoretical foundation for the concepts, ideas and models involved in the thesis.
- Experience in performing (statistical) empirical analysis. Imported global cross sectional data on a series of Political, Social, and Economic indicators into R studio; Utilised R to perform both uncontrolled and controlled regression models; Visualised both raw data and regression models to enable evaluation and explanation.

- Complimented by Marker as "Good theoretical section with a clearly formulated argument", "Good theoretical justification of control variables" and "Very good empirical section, that shows a solid understanding of the materials taught and a capacity to use those skills to clearly respond to a theoretical question/argument"

PROFESSIONAL EXPERIENCE

CITIC GROUP Aug 2023 - Sep 2023
Intern Shenyang

- Participation in systematic training on financial products. Attained an advanced understanding of stock market indicators such as PE multiples and business operations
- Imported data from Bloomberg and public reports on industry and market landscapes. Construction of regression models using R to provide materials used in report on renewable energy industry.
- Made Wednesday morning presentations that covered essential financial indicator movements, drew conclusions on noteworthy individual businesses or sectors by utilising relevant financial news, and visualised evidence-based forecasts from data analysis by ggplot2() in R.
- Appointed to research and collect both nominal and financial data of 20 Businesses using Bloomberg, organising them into .xslx form with Excel, while applying Microeconomic principles to analyse these businesses' preferences and made reports to senior members.

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TEACHING EXPERIENCE

Blue Education Oct 2020 - Dec 2022
Tutor Remote

- provided individualized tutoring sessions to enhance students' performance on the Thinking Skills Assessment (TSA) admission test, focusing on critical thinking, argumentation, and assumption identification.
- Provided tutoring for A-Level Mathematics, Further Mathematics, Economics and Accounting, focusing on enhancing students' general subject knowledge and understandings.
- Conducted mock interviews for Oxbridge applicants, providing in-depth feedback and strategies to improve their reasoning and presentation skills.

Medic mind Nov 2021 - Dec 2023
Tutor Remote

- Instructed students in GCSE, A-level Mathematics, Economics and A-level Further Mathematics, promoting active engagement and critical thinking to resolve complex problems and clarify conceptual misunderstandings.

Duwei Education Oct 2022 - Sep 2024
Tutor Remote

- provided individualized tutoring sessions to improve students' Personal Statements
- provided A-Level Mathematics and Economics, TSA and Oxbridge Economics interview for students.

SKILLS

- R - data manipulation (dplyr, tidyr, tibble), data analysis, data visualisation(stargazer, ggplot2)
- Python – pandas, Numpy, Scipy, Matplotlib, Seaborn
- Proficiency in multivariate calculus, multivariate optimization, and linear algebra (Microeconomic analysis)
- Microsoft Office (Excel, Word, PowerPoint)
- Latex Editing - adept in overleaf
- Languages: English (IELTS 8, 2017), Mandarin (Native)
- Written communication: 5.5 in GRE Analytical Writing