

RUOHAN WU

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EDUCATION

University of California, Berkeley

Visiting Program

University of Melbourne

Bachelor of Commerce in Economics

- Top 3% of Commerce Exhibition for Intermediate Macroeconomics
- Masterclass Invitation (top 30th in Major of Economics)
- Women in Economics Lunch Event Invitation (Top-Performing Females)

Diploma in Mathematical Sciences, Statistics / Stochastic Process

Berkeley, United States

08/2023-12/2023

Melbourne, Australia

02/2020-07/2023

06/2022-07/2023

RESEARCH EXPERIENCE

Fertility Policies and Women's Education in Contemporary China

A Study of the Two-Child Policy's Effects

Supervised by Prof. Benjamin Schoefer

- Conducted a thorough investigation into the implications of China's Two-Child Policy on women's education, utilizing data from the China Family Panel Studies.
- Identified clear trends in women's education following the policy's introduction, highlighted data gaps, and showcased the capability of advanced analytical methods in tackling intricate socio-political issues.

Precision Enhancement Project for COVID-19 Case Prediction

Remote Advisor: Prof Patrick Rebeschini, Oxford

- Conducted thorough regression analysis on a dataset exceeding 3,000 entries, optimizing COVID-19 predictions, tourism revenue, and student performance forecasts, ensured by robust data cleaning and pre-processing.
- Published "Factors affecting COVID-19 and impact of different dimensions" in *HMEET 2022*, highlighting critical pandemic impacts on tourism and academia, and emphasizing the need for precise interventions.

Analyzing Birth Control Dynamics and Education Inflation

Remote Research Assistant

- Conducted a comprehensive analysis of birth control dynamics with data from over 150 sources, employing various regression methods and econometric models to evaluate policy impacts on population, education, and regional education inflation.
- Synthesized findings from multiple studies through meta-analysis, highlighting potential welfare losses and educational declines due to shifts in birth control policies.

Assessment and Valuation of Twitter Using Meta Platform

- Analyzed Twitter's financial metrics using Meta Platform and R Studio, evaluating revenue trends, valuation models, and systematic risk, and considering the impact of potential strategic shifts such as Elon Musk's acquisition offer.
- Created a detailed 10-page PowerPoint presentation, highlighting crucial financial insights, industry comparisons, and future financial projections derived from the analysis.

TEACHING EXPERIENCE

Tutoring

- Calculus, Introductory Microeconomics, Intermediate Macroeconomics

07.2020-Present

WORKING EXPERIENCE

Moyi-Tech Software Solutions & Strategic Consulting

Internship for Quantitative Research advised by Brad Sun (Manager)

- Used Python Numpy and Pandoc to analyze and visualize the data of U.S.
- Explored trading strategies considering time horizons, risk profiles, capital allocation, liquidity, and volatility.

Remote, United States

12/2021-02/2022

PUBLICATION

- **Wu, Ruohan**, MingXuan Du, and Yujia Hao. (2022) Factors affecting COVID-19 and impact of different dimensions. In *Proceedings of the 2022 3rd International Conference on Humanities, Management Engineering and Education Technology (HMEET 2022)*. Qingdao, China.
- **Wu, Ruohan**. "Fertility Policies and Women's Education in Contemporary China: A Study of the Two-Child Policy's Effects." Supervised by Prof. Schoefer.(In Progress)
- Li, Xiaoyan, and **Wu, Ruohan**. "Birth Control, Education Inflation, and Welfare Loss." (In Progress)

SKILLS

- Languages: Chinese (native speaker), English (fluent).
- Skills: MS Office, Stata (advanced), R (advanced), Python.