# LINGYUN QU

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## EDUCATION

**BA in Economics**, School of Political Science and Economics**, Waseda University**                    09/2019 – 08/2023
- GPA: **3.9/4.0** | Coursework: grad-level Price Theory, grad-level Linear Algebra, DSGE Model, Public Finance
- 2019-2020 Japan Student Services Organization **(JASSO) Scholarship**

**BA in Statistics**, College of Political Science and Economics, **Korea University**                    03/2021 – 06/2022
- GPA: **4.0/4.5** (Core GPA **4.5/4.5**) | Coursework: Probability Theory, Mathematical Statistics, Time Series Analysis
- 2021 **CAMPUS Asia Scholarship**

## RESEARCH EXPERIENCE

**Research Assistant** for Professor Kubota So at Waseda University, Tokyo, Japan                    02/2023 – present
- Focused on examining the relationship between housework and unemployment. Prepared empirical results and conducted comprehensive model validations and comparisons with analysis.
- Provided literature review including relevant medicine and psychology articles, provided pros&cons analysis of different experiment methods.

**Research Assistant** for Professor Nguyen Giang at Emlyon business school, Lyon, France                    03/2022 – 12/2022
- Identified reliable and relevant resources to independently collect characteristic data and provided statistical data analysis. Used R to produce advanced visualizations to support key findings and insights.
- Conducted rigorous quantitative analysis, including clustering and KNN to explore the relationship between social connectedness, private market capital allocation, and overall performance.

## RESEARCH OUTCOME

**Paper under review: Does Digitalization Spillover Negatively Influence the Economy? Empirical Evidence from Japan, revised and resubmitted to Finance Research Letters** (Joint work with Prof Qiuling Hua from Jilin Univ.)
- Constructed the digitalization index by Principal Component Analysis method, and the digitalization spillover effect index by Directed Arrow Graphs Based on Japan's prefecture data in 2011-2019
- Estimated effects of digitalization development spillover to the overall economic activities with OLS and FE estimates, explained population and industrial structure mechanisms with extensible policy implications
- Found that digitalization spillover reduces GDP per capita of the received prefecture by 0.4% (5% significant).

**Impulse Response of Economy Policy Unstability Dynamics to Monetary Policies: VAR Model Analysis**        11/2022
- Applied Vector Autoregressive (VAR) methodology for the time-series data from 2002 to 2022 to test impacts of changes in inflation, real money supply and interest rate on the economy policy uncertainty. Measured reflected by the standardized scaled frequency counts of economy policy uncertainty characters on newspapers' monthly series. Found that EPU responses the most strongly to itself and the impact lasts the shortest; least strongly to the currency amount but the influence continue up to 6 months. Concluded that to stabilize the economy policy uncertainty in media reports, the government should pursue economic growth by maintaining the inflation rate and interest rate in the long term.

## PROFESSIONAL EXPERIENCE

**Meituan,** Strategy & Investment Analyst Intern                    *Beijing, China* 02/2022 – 08/2022
- Used SQL and Python for efficient data mining and analytics, integrating internal and external data sources, developed over 20 statistical models and reports with visualizations and interactive dashboards.
- Assisted in formulating 7 short-term and 2 long-term strategic initiatives, showcasing strategic planning skills.
- Conducted extensive market research, producing over 15 weekly reports, and created a comprehensive metrics system using Excel VBA that covered customer base, order volume, transaction volume, profit, etc.
- Devised a novel system design for evaluating the complexity rating of takeaway restaurants, decomposing complexity into 16 variables and constructed an automated data collection procedure and rating evaluation system for 15mil+ restaurants.

**Industrial Securities,** Equity Research Analyst Intern                    *Shanghai, China* 09/2021 – 12/2021
- Specialized in analyzing the social service and retail industry, particularly the duty-free sector. Utilized Python to collect and visualize a diverse range of data, including discount rates, SKU quantity, price, and consumer feedback.
- Produced in-depth industry research report, featuring market forecasts and investment recommendations.
- Applied advanced Python coding to gather and analyze more than 200,000 rows of data on 88 variables, covering asset quality and return for over 20 A-share companies. Developed financial models and produced five independent reports.
- Conducted extensive fundamental research, encompassing operations and financial summaries, near-term catalysts, and valuations based on DCM and EV/EBITDA methodologies.

**Nomura Research Institute,** Business Analyst Intern                    *Tokyo, Japan* 10/2020 – 01/2021
- Benchmarked the hydrogen vehicle market and developed a competitive landscape analysis of 5 leading firms
- Consolidated key data and indicators of client companies, identified major factors affecting strategic growth with internal database statistics and developed targeted proposals, produced 15+ weekly reports

## ADDITIONAL INFORMATION

- **Languages:** Native in Mandarin Chinese, Fluent in English, Japanese (JLPT N1) and Korean (TOPIK Level 5)
- **Technical Skills:** Microsoft Office Suite, Python, R, Matlab, Stata, Databases MySQL, Latex, SAS
- **Leadership Experiences:** Vice President of LGBT Student Support Club "People-2-People", Vice President of Japanese Voluntary Activities Club