

# Jordan Murillo

+886-0984295805   [✉ jordanmurillo21@gmail.com](mailto:jordanmurillo21@gmail.com)   [in linkedin.com/in/jordanmur](https://www.linkedin.com/in/jordanmur)   [👤 jormur.github.io](https://github.com/jormur)

## EDUCATION

### National Chengchi University

Jun 2024

*Master of Arts in Applied Economics and Social Development* | 4.11/4.3 GPA

Taipei, Taiwan

**Relevant Coursework** Applied Econometrics/Microeconometrics, Causal Inference and Data Science in Economics, Big Data for Social Analysis, Real Estate Market Econometrics, Local Public Finance

### National Tsing Hua University

Jun 2022

*Bachelor of Science in Management and Finance*

Hsinchu, Taiwan

**Relevant Coursework** Business Analytics Using Computational Statistics, Management Information Systems, Financial Risk Management, Corporate Finance, Political Economy, Social Network Analysis

**Awards** MOFA Taiwan Scholarship, NCCU OIC Scholarship, NTHU IBP Distinguished Student Achievement Award

## SKILLS

**Programming:** R (tidyverse, *various econometrics packages*), Python (NumPy, Pandas, Matplotlib), SQL, Stata

**Tools:** Tableau, Git, Unix, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office (Word, Excel, PowerPoint)

**Languages:** Native English, Proficient Mandarin Chinese (daily use in workplace)

## EXPERIENCE

### Data Analyst Intern

Apr 2023 – Jun 2024

Taipei Financial Center Corp. (Taipei 101)

Taipei, Taiwan

- Developed a novel customer lifetime value (CLV) KPI leveraging processual data aggregation for Taipei 101's hundreds of stores and their millions of transactions. This enabled more accurate member retention analysis and segmentation, informing targeted marketing campaigns.
- Streamlined marketing material preparation by creating custom Python scripts to automate document handling and processing, boosting team efficiency and showcasing problem-solving abilities.
- Implemented customer clustering and segmentation initiatives for high-end luxury brands, examining sales history to profile customer bases and identify key insights. Collaborated on client report frameworks, developing rich data visualizations to communicate tailored insights, recommendations, and facilitate informed business decisions aligned with brand strategies and goals.

## PROJECTS

### Fractured Power, Fractured Peace? Partisan Rifts on Political Violence in Mexico | *Thesis* Jul 2024

- Employed advanced econometric techniques in R and Stata, including synthetic difference-in-differences and Poisson pseudo-likelihood fixed effects regression, to analyze the intricate relationship between partisan fragmentation and organized crime's strategic use of political violence across Mexican municipalities from 2018-2023.
- Developed new approaches to investigate how institutional factors such as intergovernmental fiscal transfers, elected coalition dynamics, and partisan power arrangements influence anti-state actors' incentives for violence, challenging conventional theoretical frameworks.
- Produced novel insights and policy recommendations to insulate governance from criminal influence and promote stable democratic institutions, demonstrating problem-solving skills and creativity in addressing complex issues.

### A Spatial Analysis of the Alaska Permanent Fund Dividend in Shaping Migration Patterns Jun 2024

- Conducted a novel spatial panel data analysis in R by creating a custom spatial weights matrix based on migration flows, enabling a robust investigation into the impacts of Alaska's universal basic income while accounting for geographic interdependencies—a methodological innovation seldom applied in migration studies.
- Demonstrated expert data wrangling abilities by sourcing, compiling, and harmonizing over 20,000 observations from multiple national datasets, combining demographic, spatial, and economic data for rigorous spatial econometric modeling.
- Explored previously unexamined impacts of Alaska's universal basic income program on migration patterns, contributing groundbreaking insights to the field and showcasing creativity and thoroughness in research.