# MIN SHI

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GitHub Personal Page

## Education

**The University of Texas at Dallas** **August 2019 – 2024(estimated)**
Ph.D. Candidate in Political Science, Major International Relations, Minor Political Institutions and American Politics *GPA: 3.907/4.0*

**The University of Texas at Dallas** **August 2021 – 2024(estimated)**
M.S. in Social Data Analytics and Research *GPA: 3.907/4.0*

**The University of Texas at Dallas** **August 2019 – May 2022**
M.A. in Political Science *GPA: 3.907/4.0*

**Shandong University** **September 2016 – June 2019**
M.L. in International Politics *GPA: 88.78/100*

**Daito Bunka University** **September 2017 – August 2018**
Exchange Student in Political Science

**Shandong University** **September 2012 – June 2016**
B.A. in Japanese *GPA: 87.37/100*

## Research Experience

**School of Economic, Political and Policy Sciences, UTD** *Research Assistant* **May–August 2021**
↪ Prof. Thomas Gray, Prof. Banks Miller

- Conduct research of U.S. Supreme Court cases
- Perform highly accurate, detailed data collection of all cases' schedules and basic time gap analysis

**School of Economic, Political and Policy Sciences, UTD** *Research Assistant* **May–August 2020**
↪ Prof. Jonas Bunte

- Collaboratively conduct research on the benefits connection among U.S. government officers, senators, representatives, and U.S. firms
- Perform detailed data analysis to detect potential financial and social connections

## Conferences

**2022 APSA Annual Meeting Exhibition — Montral, Qubec, Canada** **September 15-18, 2022 (upcoming)**
Framing 2018 U.S.-China Trade War during the Trump and Biden Eras

**2022 ISDSA Meeting — Hybrid meeting in China, U.S. and on Zoom** **May 31-June 1, 2022 (upcoming)**
Modeling U.S.-China Trade Relations: A Time Series Machine Learning Approach Using MNC Stock Data

## Publications

Yang Luhui, Shi Min. 2020. An Analysis of the Causes of Shinzo Abe's Policy Evolution and Adjustment towards China. *Journal of China's Neighboring Diplomacy.* Vol.7, No.2. (upcoming).

Yang Luhui, Shi Min. 2019. China Policy Adjustment or Changes by the Abe Administrations and Its Impacts. *Peace and Development.* No.3, pp.66-84.

## Data Analytic & ML Projects

**Content Analysis of News Coverage about U.S.-China Trade War** **August - May 2022**

- A project focused on how news organizations frame the 2018 U.S.-China trade war during Trump and Biden Eras
- Collaborated with programming to optimize data collection and ensure data quality, collected over 500 sampled news coverage from both U.S. and China sides
- Utilized machine learning skills such as top modeling, classification & sentiment analysis and time-series statistical analysis in exploring the differences in media coverage and the tendency in sentiment changes in China and the U.S. news reports

**COVID-19 Worldwide Cases Synchronous Dashboard using Tableau** **December 2021 - January 2022**

- Designed a synchronous Tableau dashboard with advanced interactive functions to explore the COVID-19 severity
- Built a Tableau story to dig into the factors affecting the severity of COVID-19 by country and found out the deep connection between multiple aspects of factors with COVID-19 severity

**Data Visualization and Correlation Analysis with Multiple Tools** **September - December 2021**

- A project aimed at exploring the factors that affect World Happiness Index by country
- Utilized Python and R in data collection and data cleaning processes
- Deployed Python, R, R Shiny and Plotly Dash in exploring correlation among variables and visualizing the correlations

## Selected Course Work

| Data Science | Data Analysis | Statistical Methods |
|---|---|---|
| Programming for Data Science | OOP in Python | Introduction to Quantitative Methods |
| ML for Socio-Eco and Geo-Referenced Data | Information Management | Applied Regression |
| Content Analysis using ML | Data Visualization | Social Science Research Methodology |
| Applied Data Science with Python | Applied Data Analysis | Regression and Multivariate Analysis |

## Technical Skills

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|---|---|
| **Programming Languages & tools** | Python, R, Stata, SQL, Tableau, LaTeX & TeX, Microsoft Office |
| **Skills** | Data Collection, Data Analysis, Data Visualization, Research Design, Quantitative Research & Machine Learning |
| **Languages** | English, Chinese & Japanese |

## Career Goals

**Being equipped with data analytic skills using Python, R, SQL & Stata, familiar with multiple industry analytical visualization tools, e.g., Tableau, Shiny, R Markdown Dashboard, and having abundant experience with statistical research methods, I focus on utilizing machine learning and quantitative statistical research skills to explore the mutual effect between the U.S. trade policies and the big firms' operations within the context of U.S.-China trade. My career goal is to become a researcher in this area or a professional data scientist in the industry.**