MIN SHI

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GitHub Personal Page

Summary

Trilingual Data Analytics Master and Political Science Ph.D. student looking for a Summer 2022 Data Analyst internship. Accomplished researcher with advanced Python, R, SQL & Stata programming skills. Abundant experience with statistical research methods. Familiar with multiple industry analytical visualization tools, e.g. Tableau, Shinny, R Markdown Dashboard. Strong communication and report writing skills, attention to detail, and excellent at working as part of a team.

Projects

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

Content Analysis with Machine Learning (Team Project)   **August - December 2021**
- A team project focused on how news organizations frame the 2018 U.S.-China trade war during Trump Era
- Collaborated with programming to optimize data collection and ensure data quality, collected over 1000 sampled news coverage from both U.S. and China sides
- Utilized machine learning skills such as top modeling, classification & sentiment analysis in exploring the differences in media coverage in China and the U.S.

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: 3.917/4.0*

The University of Texas at Dallas   **August 2021 – 2024(estimated)**
M.S. in Social Data Analytics and Research   *GPA: 3.917/4.0*

The University of Texas at Dallas   **August 2019 – May 2022**
M.A. in Political Science   *GPA: 3.917/4.0*

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

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

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