Justin Napolitano

Analyst

(832)299-0372
Houston, Texas
justin@jnapolitano.io

GitHub: justin-napolitano
LinkedIn: justin-napolitano
Web: jnapolitano.io

OBJECTIVE

Dedicated open source intelligence analyst with experience developing research and enterprise data analysis pipelines. Seeking an opportunity to use quantitative analysis and programming skills to efficiently analyze large scale capital market datasets.

EXPERIENCE

Data Analysis and Integration   **May 2021 — Present**
BTJN, LLC   *Houston, TX*

- Modeled retail sales of 57 retail stores with SARINA, Holt-Winter, and Exponential Smoothing models with Statsmodels API to streamline inventory procedures. Detected products most likely to sell to consumers by store. Tested effects of seasonality on consumer purchasing.
- Mined data from Rest API to generate 250,000 qualified sales leads. Clustered leads by location and volume of business to identify most valuable targets for client's marketing strategy.

Author and Research Lead   **Jan 2017 — Aug 2019**
University of Central Florida   *Orlando, Fl*

- Identified socioeconomic features correlated with increased event probability. Examined the impact of large scale infrastructure projects and local investment on violence and social integration. Performed time-series analysis of economic integration to test whether social investment decreases terrorist activity and regional violence.
- Standardized feature extraction and storage methodology for team of 5 research assistants. Trained team members to collect data with SQL queries. Verified human coded data to ensure rigor for publication.

Research Assistant   **Jan 2017 — Jan 2018**
University of Central Florida   *Orlando, Fl*

- Automated sentiment analysis with Python NTLK to correlate behavior to perceived emotional state. Identified likely foreign policy actions of the UK parliament.
- ANOVA tested human scored sentences against automated scoring to ensure validity of qualitative human scoring.

SKILLS

- **Data Analysis Tools**: Python, SAS, Pandas, R, MiniTab, Matplotlib, Statsmodels, NetworkX, SQL, PySpark, SPSS, TensorFlow.
- **Documentation Tools**: Sphinx, Markdown, LaTeX, reStructuredText, Excel.
- **Communication**: Cantonese, English, French, Spanish.

PUBLICATIONS

Turkish Kurdish Analysis Database
Peace Economics, Peace Science and Public Policy vol 25, no. 4, pp. 36   *2019*
Demet Mousseau, *Justin Napolitano,* Alex Olson   *DOI*

PROJECTS

Journal.Jnapolitano.io

- **Commercial Research**: Reviewed the structural factors that inhibit and facilliatate international trade. Analyzed the influence of the World Trade Organization and government policy on commerce.
- **Legal Research**: A textual analysis of Supreme Court jurisprudence relating to laws of public accomodation.

Court-Behavior.io

- **Data Mining**: Mined metadata from the Library of Congress API to build a corpus of United States Supreme Court opinions.
- **Inferential Analysis**: Correlated voting behavior by issue area to political ideology, religious affiliation, and education.
- **Behavioral Prediction**: Created an artificial intelligence model to predict voting bahavior accross time.

EDUCATION

Bachelor of Arts in Political Science , *University of Central Florida*   Aug 2018