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 commercial data pipelines. Seeking an opportunity to use programming and quantititave analysis 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. Performed time-series analysis of violence and economic integration to test for correlation. Examined the impact of large scale infrastructure projects and local investment on violence and social integration.
- Published work in the Journal of Peace Economics, Peace Science and Public Policy. Prepared accompanying presentation for peer review at the Peace Science Conference at the Hague.
- Standardized feature extraction and storage methodology for team of 5 research assitants. Trained assistants to collect data with SQL queries. Integrated data into SQL database for analysis.

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

- Automated sentiment analysis with Python NTLK to correlate behavior to perceieved 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

- **Tools and Languages**: Azure, Bash, C, Git, Debian, Flask, Python, LaTeX, MarkDown, RHEL, reStructuredText, Scala, Sphinx.
- **Data**: JanusGraph, Matplotlib, Neo4j, Networkx, Pandas, PySpark. SAS, SciPy, Statsmodels, SPSS, SQL.
- **Machine Learning**: Keras, TensorFlow.
- **Communication**: Cantonese, English, French, Spanish, Sranan Tongo.

PROJECTS

Journal.Jnapolitano.io

- **Commercial Research**: Identifying structural factors influencing international trade.
- **Metadata Mining**: Extracting features from the Library of Congress API.
- **Tensorflow Behavioral Prediction**: Predicting Supreme Court outcomes with TensorFlow.
- **Python Tools**: Releasing Python tools to interface with Neo4j, JanusGraph, and Google APIs.
- **Static Web Site Generation**: Creating websites with Sphinx and the Jupyter Book.

EDUCATION

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