[Alonso Gutierrez]

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Technical Skills

Languages: Python 2.7/3.6, R, Sqlite, NoSQL, Git, JavaScript, HTML/CSS/XML/JSON
Frameworks/Libraries: : Pandas, Numpy, Sklearn, Matplotlib, Zipline, d3.js, dimple.js.
Other: RStudio, GitHub, Jupyter Notebook, Quantopian, MongoDB, Google Cloud Platform.

Project Experience

[Data Wrangling OpenStreetMap]   [Link] [March 2017]

- Cleaning and processing of OSM data with Python 2.7's xml.etree, sqlite3 and regex modules.
- Deploying custom terminal interface to ease transition of top elements in data from XML format to an sqlite3 protocol database.

[ML-Language Processing Enron Debacle Data]   [Link][May 2017]

- Interpretation of the Enron scandal based on the companies' email data dumps publicized after the commercial-titan's fall.
- Utilizing Python 2.7's natural language toolkit (nltk) module, along with tf-idf technique for vocabulary pre-processing.
- Enhanced search ML classifier algorithms for machine learning, along with the primary component analysis, stratified data shuffling, grid-searching and score-based model-selection.

[Analysis with R and Rstudio]   [Link][May 2017]

- Auditing and cleaning of bank loan data for exploratory purposes in loan fraud.
- Use of R and Rstudio for descriptive visualizations and simple statistics of this data's features.

More projects are available to preview on my site.

Education

- Bachelor's in Mathematics at UCF   BS | August 2019 – 2021 (ongoing)
- Data Analyst Nanodegree at Udacity   Online Certification | June 2017 – December 2017
- Associates in Arts at FIU   AA | August 2012 – 2014

Work Experience

- Data Analyst Freelancer   Present
- Surgery Scope Technician   Proendoscopy, LLC., Sunrise FL, U.S. | December 2015-2018