RANDY PAYANO
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GitHub: https://github.com/randypayano
Portfolio: https://randypayano.github.io

SUMMARY

Quantitative, driven, and team-oriented Data Analyst with strong statistical intuition, excellent problem-solving and analytical skills. Proficient in multiple programming languages and analytical software. Ability to analyze, simplify and visualize complex datasets into Business Insights that help business partners make data-driven decisions.

TECHNICAL SKILLS

Programming Languages: Python, R, JavaScript, SQL, HTML, CSS, VBA
Machine Learning: Scikit-Learn, TensorFlow, Supervised and Unsupervised
Databases: MySQL, NoSQL, PostgreSQL, MongoDB
Data Visualization & Manipulation: Tableau, Excel, Pandas, NumPy, Matplotlib, Seaborn, D3.js, Leaflet.js
Soft Skills: Communication, Presentation, Decision making, Flexible, Problem solving, Curiosity, Leadership
Other: Business Intelligence (BI), Regression Analysis, Clustering Analysis, Forecasting, Statistical Data Analysis, Advanced Data Mining, Web Scrapping, Relational Databases, Dashboarding, ETL, Git, Node.js.

PROJECTS

Pairs Trading | https://pairstrading.herokuapp.com : https://randypayano.github.io/PairsTrading
- Performed cluster analysis to discover pairs of equities that are co-integrated for intelligent portfolio management.
- Queried, cleansed and reduced the dimensionality of return and fundamental data for over 5000 equities.
- Utilized unsupervised algorithm DBSCAN to find clusters of similar equities.
- Applied T-SNE cluster visualization algorithm to re-enforced trust in DBSCAN's final clusters.
- Narrowed down the list of 8,203,275 possible pairs to 47 co-integrated pairs with 57 unique equities.
- Built Interactive Dashboard for visualization and analysis, comprising:
    o Company informational profile
    o Live pairs correlation chart
    o Live price history charts
- **Tools:** Pandas, NumPy, Financial API, PCA, DBSCAN, T-SNE, Flask, MongoDB, Plot.ly, HTML, CSS, Bootstrap, Heroku

ESG Research | https://prezi.com/ehipnsjua_5f/esg-what-does-it-tell-s
- Developed a country normalized scoring system based on their respective Environmental, Social and Governance Data. This system can be used for sustainable, socially responsible and mission-related investing.
- **Tools:** Pandas, World Bank Data API, Seaborn, Matplotlib

EXPERIENCE

Head Concierge 2015 – 2020
432 PARK AVENUE CONDOMINIUMS

New York, 432 Park Avenue
Responsible for all resident's needs at this 106-unit, 102-floor luxury condominium.
Key Accomplishments:
- Successfully established and implemented service oriented standard operating procedures carried out by every staff member at 432PARKAVENUE.
- Responsible for all communication between building management and residents.
- Proactively restructured and troubleshot all aspects of Lobby IT systems.

EDUCATION

Data Analytics Boot Camp: Columbia Engineering, New York, 500 W 120th St
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Criminal Justice (A.S): Borough of Manhattan Community College, New York, 199 Chambers St