**Randy Payano**

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GitHub: <https://www.linkedin.com/in/randy-payano>

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](javascript:void(0)) 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://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:
  + Company informational profile
  + Live pairs correlation chart
  + 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