# Renato Barroco

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## DATA ANALYST

**Highly analytical, self-motivated, entrepreneurial, and process-oriented data analyst** with in-depth knowledge of computer science; research methodologies; and big data capture, manipulation, and visualization. Produce insights, analytics and business intelligence used to advance identification of investment opportunity, cost reduction reengineering and growth in corporate market share.

### SKILLS INCLUDE:

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|---|---|---|
| *Data Structures* | *Python Developer* | *Data Science Research Methods* |
| *Data Warehousing* | *Web Scraping* | *Machine Learning Methods* |
| *Advanced Data Mining* | *Data Visualization* | *Statistical Computing Methods* |
| *Business Intelligence (BI)* | *Tableau Developer* | *Exploratory data analysis* |
| *SQL Developer* | *JavaScript Developer* | *Quantitative Methods* |

## Work Experience

**Stocks and Futures exchange [*Remote entrepreneurial work experience*] — Sao Paulo, Brazil.**
**Quantitative Research / Quantitative Trader, 2015 to 2020**

- *Modeling:* Performed data mining, financial and economic data modeling, statistical analysis, business intelligence gathering, price forecasting, and benchmarking. Data analytics supported investment decisions, and risk analysis measurement for development of multi-asset class portfolio, contextualized by economic cycle scenario.

- *Data Mining:* Collected, cleansed, and provided modeling and analyses of structured and unstructured data used for major short-term and long-term investment decisions. Outcomes:

  - A **75%** reduction of the time spent in the pre-opening market analysis, by automating report generation.

  - Improved correct price forecasting from 45% to almost 51% hit rate, increasing long-term gains.

  - Web scraping data from different sources that helped boost the quality of the model analysis.

- *Dashboards:* Created visually impactful dashboards in Excel and Tableau for data reporting by using pivot tables and VLOOKUP. Extracted, interpreted, and analyzed data to identify key metrics and transform raw data into meaningful, actionable information.

**maistrip.com [*Startup in the online retail travel agency business*] — Sao Paulo, Brazil.**
**Founder, Market Research & Finance, 2013 to 2015**

- *Market Research*: Applied quantitative data gathered to develop an understanding of customer behavior, product positioning, and lifecycle. Presented data that helped guide the company's financial decisions.

- *Business Intelligence:* Designed and built models on financial data sets that helped reduce costs (up to **20%** per month), by managing cash flow needs**.**

## Education

- **Post Graduate Program**, Data Science & Business Analytics, The University of Texas, Austin, summer 2021
- **Business Administration**, College of Economics, Accounting and Administration, University of São Paulo
- **Piscine Challenge top 10 student (between 300 students),** 42 Silicon Valley: Software Engineering School
- **Online course:** Mathematics for Machine Learning, Imperial College London.
- **Professional Certificate:** Exploratory Data Analysis for Machine Learning, IBM.
- **Professional Certificate:** Supervised Learning Regression and Classification, IBM.
- **Languages:** Portuguese (native), English (fluent), Spanish (intermediate).