

Daniele D'Avino CV

Employment

2016 - Now : **Data Scientist** @ [Virtual B](#)

- Developed and managed a data driven wealth management platform applying machine learning and BI, following CRISP-DM process. Main tasks:
 - Supervised & Unsupervised analysis on structured mixed data
 - Information Retrieval
 - Dataset Enrichment and Simulation
 - Master thesis projects tutoring
 - Webapp prototyping

2016 - 2019 : **Digital Investment Analyst** @ [AdviseOnly](#)

- Managed a wealth management digital platform on every field of the management flow (Engagement tools, profiling, asset allocation, risk analytics and CRM). Main tasks:
 - Portfolio construction
 - Portfolio simulation
 - Risk metrics
 - Forecasting scenarios
- Prepared report, analysis and wrote news about economics and financial thematic for financial blogs and banking institution.

Professional Certifications

Microsoft

- [Microsoft Professional Program in Data Science](#)

Hot topics: Querying and processing data, deploying supervised and unsupervised machine learning model, visualizing results and creating storytelling for data communication.

Software: Power BI, Azure ML, T-SQL, Python

Final project: Developed supervised machine learning model for predicting county-level rents in US, given socio-economic/demographic information.

- [Microsoft Professional Program in Artificial Intelligence](#)

Hot topics: Processing data, deploying deep learning and reinforcement learning model for image recognition and classification tasks.

Software: Azure ML, Python

Final project: Developed deep learning model (CNN) for classifying 11 types of appliances from their spectrogram, quantified by current and voltage measurements.

Deeplearning.ai

- [Structuring Machine Learning Projects](#)

Hot topics: Metrics Optimization, Error Analysis, Transfer learning

Google Cloud

- [Google Cloud Platform Fundamentals: Core Infrastructure](#)

Hot topics: Google Cloud Platform, Google App Engine

Education

Università degli studi di Milano - Bicocca

- 2013 -2016 : **Master degree in Quantitative Finance**

Hot topics: Econometrics, Investment strategies & asset allocation, Investment banking

Software: Matlab, R, Eviews, Stata, VBA, C++

Thesis: Developed a risk-based investment strategies for my master's degree thesis, using a Bayesian statistics model strengthen by an orthogonal GARCH model for risk estimation.

- 2009 - 2013 : **Bachelor degree in Economics, marketing & market analysis**

Hot topics: Market-driven management, Macroeconomics, Statistics for marketing and customer clustering technique

Software: VBA, C++, SQL

Thesis: Synthetic ETF between financial innovation and regulatory constraints.

Technical Experience

Below is a list of the main projects i took part in.

- 2020: Developing a customer clustering and classification software, useful for data enrichment, artificial markets solutions and for addressing better solutions

to final customers. . *Software:* Python

- 2019: Developed a customer data analysis tool, integrated with machine learning algorithms, for wealth management institutions. *Software:* Python
- 2018: Developed digital reporting tools and risk based investment solutions. *Software:* Python, Matlab, Tableau
- 2017: Developed the framework of a profiling questionnaire. *Software:* Python, Matlab
- 2016: Developed a Web App for evaluating bond emission (yield and price) of the Italian landscape' small cap (e.g. minibond). *Software:* Python, VBA

Skills

I developed an **agile working methodology** using the following tools:

- *Proficient:* Python, GIT, Azure ML, Power BI, Pelican, HTML, CSS, Markdown, Bloomberg, Heroku, Streamlit.
- *Familiar:* C++, SQL, Matlab, VBA, R, Tableau.

Contact

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