Alex Borio

Data Scientist

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SUMMARY

I'm a Data Scientist of the Italian Risk Advisory practice within Deloitte's Financial Risk Management E2E services department, with a Master's Degree in Statistics and specialize in the Banking sector. I spent three years in the banking and finance sector focusing his experience and knowledge in different methodologies related to Risk Management, Data Governance, Data Management and Reporting. During my experience, I had the opportunity to deal with projects, supporting Clients in the design and implementation of tailor-made solutions to mitigate data-related risks, to fully unleash the potential of information assets and for the adoption of innovative tools necessary for data processing.

Experience & Qualifications:
- 3 Years experience extracting actionable insights from data in banking sector
- Strong hands on experience and knowledge in Python, Power BI and Excel
- Good understanding of statistical principles and their respective applications
- Excellent team-player and displaying strong sense of initiative on tasks

PROFESSIONAL EXPERIENCES

Data Scientist   Feb '22 - Present

Deloitte Risk Advisory   Milan, MI

Activities related to projects aimed at Financial Services, with a strong focus on Business Architecture using data analysis and data modeling technologies with particular attention to IT issues on Risk Management engagements, Data Management, Data Governance and Reporting.
Key experiences:
- Code migration from SAS (EG 9.3) / R to Python / BigQuery / PySpark
- Machine learning activities (e.g. NLP algorithm to estimate KPI and KRI on the four fundamental pillars of Data Governance: Data Dictionary, Data Quality, Data Lineage and Business Glossary
- Development of a Data Governance framework to support the II level Function in assessing the degree of maturity and the I level Functions in monitoring the Data Governance safeguards to protect the data under their responsibility, with implementation of the dashboard for monitoring the various indicators calculated
- Development of Dashboards (e.g. monitor the RAF indicator and the underlying indices previously calculated with NLP and Networking Intelligence algorithms)
- Development of an unsupervised algorithm (k-means) in order to create a cluster of equity portfolios (ESG) to be included in an expected return calculation model
- Development of a framework for the automatic maintenance of Data Lineage in a Cloud Environment for Data Governance Project

Data Analyst   May '20 - Feb '22

Accenture   Turin, TO

Activities related to projects aimed at Financial Services, with a strong focus on Financial Risk Management and Data Governance.
Key experiences:
- Statistical analysis on partitioned databases (Oracle / Teradata) to identify KPIs
- Development of a dashboard to monitor the progress of the KIs, KPIs and KRIs
- Creation of SQL scripts to perform back-end and UAT tests
- Development of a framework for Data Masking (Informatica Power Center)
- Statistical analysis on RDBS (Oracle / Teradata / Hadoop)
- Advanced Analytics activities

EDUCATION

Data Engineer   Mar '20 - May '20

Modis   Turin, TO

Intensive training academy (full-time) based on practical and theoretical learning of the main software used by the figure of the Data Engineer and ETL Developer.
The following software has been studied in depth:

- SQL
- MySQL
- Oracle Database
- IBM InfoSphere DataStage

Academy that allowed me to increase my knowledge in the statistical/IT field.

Master's degree, Statistics   Sep '17 - Mar '20

Università degli Studi di Torino   Turin, TO

The MSc in Statistics has a particular focus on modern computationally-intensive theory and methods. Main disciplines: Business Analytics, Corporate Finance and Strategy, Data Modeling, Econometrics, Epidemiology, Statistical Learning, Strategic Marketing, Time Series Analysis.

Bachelor's degree, Statistics and Economics   Sep '13 - Sep '17

Università degli Studi di Torino   Turin, TO

The Bachelor's Degree in Political and Economic Sciences has a particular focus on policy analysis and political economy. Main disciplines are: Policy Analysis, Political Economy, Political Economics, Corporate Finance and Strategy.

KEY SKILLS

- **Programming:** *Python (NumPy - Pandas - Scikit-learn - Matplot -Seaborn), SQL, VBA*
- **Data Visualization:** *Power BI, Tableau, MS Excel*
- **Databases:** *MySQL, Oracle, Teradata, Hadoop*
- **Cloud Services:** *Google Cloud Platform, Amazon Web Services*

LANGUEAGES SKILLS

- **Italiano - Madrelingua**
- **Inglese - B2**