

ALESSANDRO ABATI

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EXPERIENCE

BIP Consulting

Data Analyst

January 2022 - Present

Milan, Italy

Specialized in Data Governance and Data Quality consulting. Gained experience in designing and implementing data modelling as well as analyzing the data life-cycle. Technical competences in coding (Python, C), mainly used for data exploration, data preparation and data cleaning.

Projects

- **Software house:** Data structures, processes and rules analysis. Analysis, planning, definition and implementation of data cleaning activities both automatic (Python scripts) and manual resulting in an increase of 26% of data quality. Data quality framework planning and creation (data domain analysis, physical lineage, critical data elements identification and metrics definition). Collaborated with Data Office Head for Master Data Management and data strategy activities towards data-driven transformation.
- **Italian Bank:** Structure and rules data profiling and as-is analysis of bank related data. Reverse engineering and optimization of the data model to-be. Data life-cycle processes documentation analysis and data cleaning Python pipeline implementation to guarantee the data migration toward legacy platforms. Data migration planning and execution.
- **Multinational Fashion Company:** Definition of an internal audit process to identify Data Governance and Data Quality critical issues and areas of improvement related to the client's business-critical data sources. Data life-cycle and data lineage processes analysis towards the planning and execution of the audit.

Dissertation Research: Analysis of processes selection associated with Higgs boson with Machine Learning techniques in the CMS experiment at LHC

October 2019

Physics Data Analyst

CERN, Geneva

I studied and implemented a machine learning DNN model to classify physics events associated with Higgs boson production and distinguish them from the main background events. The main aim of the study was to optimize signal region selection through maximizing the metric efficiency×purity. Moreover, a Bayesian approach to hyper-parameters optimization was introduced for the first time in the team.

EDUCATION

University of Florence, Florence

B.S. in Physics & Astrophysics

Score: 104/110

2016 - December 2021

TECHNICAL STRENGTHS

Computer Languages

Python (NumPy, Pandas, Selenium), SQL, C

Databases

MySQL, Oracle DB, MS SQLServer

Tools

Excel, PowerPoint, Linux, Keras, Tensorflow, Git, Visual Studio

SOFT SKILLS

Problem Solving, Team working, Time management, Communication, Organization

LANGUAGES

Italian Native

English Fluent (IELTS Band 7)