Federico Vinci

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SKILLS

Programming Languages: Python, R, SQL
Tools & Frameworks: Airflow, Kafka, Docker, Spark, MongoDB, PostgreSQL, Git, PowerBI.
Area of Expertise: Forecasting, NLP, Bayesian Analysis, Network Analysis, ML & Deep Learning

EXPERIENCE

Teleperfomance - Digital Transformation Department | Data Scientist Intern　　　　Sept. 2023 - Jan. 2024

Master Thesis on **V.O.I.C.E-first** in-house project. End-to-end modeling and deployment of a topic modeling algorithm for classifying topics of inbound (streamed and batched) call-center calls for a specific company's customer. The featured tools were:

- Apache Kafka;
- Docker;
- Git;
- LDA & Top2Vec Algorithms;
- OpenAI APIs;
- `gensim` & `nltk` NLP libraries;

Keet - Fleet Management | Data Scientist Intern　　　　Oct. 2022 - Jan. 2023

Curricular Internship. Performance analysis of a Driver Rating Algorithm by following a structured ETL pipeline:

- Conducted data retrieval through SQL queries and database interaction to extract relevant information from a relational database.
- Performed comprehensive data preprocessing, utilizing both custom Python modules and external libraries with object-oriented programming, ensuring data quality and structure.
- Executed in-depth data analysis, evaluation, and visualization of preprocessed datasets, employing statistical techniques and data exploration methodologies.
- Developed and trained Normal and Polynomial Regression Models.
- Conducted rigorous evaluation of regression models, employing industry-standard metrics such as RMSE, and R^2.
- Presented research findings and insights to project manager, facilitating data-driven decision-making processes.
- Implemented and integrated regression models into production systems, ensuring seamless deployment and ongoing model maintenance.

WORKSHOPS

Ammagamma | "Text Data for Trading"　　　　20h

Team-based building of a FOREX Prophet Forecasting model enriched with web-scraped financial news and classified through LLM.

Prada | "Cloud and Distributed Environments for Analytics in a Luxury Brand"　　　　20h

Team-based building of an Implicit Collaborative Recommendation System within Spark framework on Databricks.

Deloitte | "Drive Digital Transformation with Data Analytics"　　　　20h

Team-based building of a dashboard using PowerBI.

EDUCATION

MSc. in Data Science for Economics	*Università degli Studi di Milano*	2021 - 2024
Erasmus Program	*Stockholm Business School*	2021
Bachelor in Economics	*Università degli Studi di Roma Tor Vergata*	2018 - 2021