Lorenzo Mannocci

Ph.D. Student

Artificial intelligence

BIRTHDATE

06/12/1995

CONTACT

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SOFT SKILLS

➢ Good team work

➢ Leadership

➢ Communicator &
  Public Speaker

➢ Planner & Organizer

LANGUAGE

➢ Italian (native language)

➢ English (certificate B2, FCE)

EDUCATION

Italian National Ph.D. in Artificial intelligence - area "AI & Society"
University of Pisa – IIT CNR (National Research Council)Ph.D.
2021 – In progress

Data Science And Business Informatics,
University of Pisa, Master's Degree
2019 – 2021(Graduated with grade of 110/110 Laude)

Computer Engineering,
University of Pisa, Bechelor Degree
2014 – 2019 (Graduated with grade of 102/110)

Scientific High School, IT plan
2009 – 2014 (Graduated with degree of 94/100)

MASTER'S DEGREE THESIS

I developed a thesis in **bot detection** on Twitter with the use of **multivariate time series**. The thesis was in **collaboration** with **Aristotle University of Thessaloniki** (I should have left for Salonicco, but the trip has not been possible, due to Covid-19 situation).

DATA SCIENCE

- **Social Network Analysis (30Laude)**:
  - ✓ NetworkX
  - ✓ Community Discovery: cdlib
  - ✓ Diffusion and Epidemics: ndlib
  - ✓ Link Prediction: linkpred

- **Data Mining (30Laude)**:
  - ✓ *Classification Task* (Decision Tree, Random Forest, Logistic Regression, Ensemble Classifier, KNN)
  - ✓ *Clustering* (K-Means, DBScan, Hierarchical Clustering, Expectation Maximization Algorithm, Bisecting K-Means, X-Means)
  - ✓ *Transactional Clustering* (K-Modes, Rock, CLOPE, TX-Means)
  - ✓ *Pattern Mining e Sequential PM* (with time constraints)
  - ✓ *Time Series* (clustering, classification, forecasting, anomaly)

✓ *Anomaly Detection* (statistical approach, distance, density, angle based)

- **Decision Support System**: *DataWarehouse* Design, *Analytic Function SQL*

- **Statistical Methods for Data Science**: Statistics theory and application with *R Language*

- **Visual Analytics (30Laude):** *Soccer Anlysis* about players and teams through big data. *Storytelling* from data https://github.com/va2019lupinimannocci/dataSoccerAnalysis

- **Machine learning (30):** Neural network, SVM, Statistical Learning Theory

- **Laboratory of Data Science (30):** ETL process, SQL Server, SSIS, OLAP system, MDX, PowerBI, Microstrategy Desktop, Pivot Table

ECONOMICS (OR SOMETHING IN THE MIDDLE)

- **Marketing Analysis and Research (30Laude)**: business game with Fater (italian join venture held by **Procter&Gamble** and Angelini), first classsified in the competition (useful for relationships with economists)

- **Business Organization**

- **Business Management (30)**

- **Logistics**: Modeling techniques and algorithmic approaches for managing logistic systems

- **Business Process Modeling (30Laude):** Analysis and verification properties of business processes, Petri Net, Workflownet, BPMN

- **Technologies for web marketing** (advertising campaign):
  - ✓ Google Analytics
  - ✓ Google Ads

PROGRAMMING LANGUAGE (ENGINEERING)

- SQL
- MDX
- Python
- R
- Java
- C++
- PHP, HTML, CSS, JavaScript