

PIETRO MARIA SANGUIN

ALLIANZ TALENT PROGRAM - BIG DATA SCIENCE

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Milan, Italy

EDUCATION

University of Padua

Bachelor's degree: Physics

Padua, Italy

September 2018 - December 2021

University of Padua

Master's degree: Data Science

Padua, Italy

December 2021 – current (September 2023)

EXPERIENCE

Internship in Data Governance

Accenture

Milan, Italy

March 2023 – current (September 2023)

PROJECTS

- **Unveiling Biases in Word Embeddings: An Algorithmic Approach for Comparative Analysis Based on Alignment** (Python): The thesis I am currently working on. The aim is to investigate bias in journal articles using embedding models such as word2vec, GloVe and alignment techniques.
- **Zeroth order projection free methods** (Python): Implementation of Stochastic Frank Wolf and Stochastic Conditional Gradient optimization algorithms minimizing the loss function of a constrained logistic regression. This model has been applied to real datasets in heart disease and diabetics prediction.
- **Forecasting the S&P500** (R): Although it is impossible to predict market trends in this project, we conducted an analysis on the American Standard and Poor's 500 benchmark using time series models such as Linear models, Arima and Regression Splines.
- **Semantic Segmentation** (Python): Computer vision project using DeepLabV3, U-Net and DenseASPP on Cityscapes dataset.

TECHNICAL SKILLS

Languages: Python, R, MATLAB, SQL, C++, Java

Libraries: NumPy, Pandas, SymPy, Scikit-learn, Keras, TensorFlow, PyTorch

Tools: Git, Bash, Latex, Office, Excel VBA, Cluster Computing

Database: PostgreSQL, MySQL

LANGUAGES

Italian: Native

English: B2 (Business user)