

Text data for Trading

NLP techniques for financial news

Description

[Ammagamma](#) is a company which offers Artificial Intelligence solutions to help companies evolve their potential. We follow our customers from the understanding of the problem to the release in production of AI models.

In this laboratory we will explore the potentials of NLP techniques to extract relevant data for financial series forecasting.

Duration

The laboratory will last 20 hours, divided in 4 slots of 5 hours each, divided as follows:

- Thursday 26/5 14-19
- Thursday 2/6 14-19
- Thursday 9/6 14-19
- Friday 10/6 9-14

The laboratory will be half in presence [Lab 3rd floor DEMM] and half remote on Microsoft Teams. We will send invitations to all the meetings with the specification of the location.

Main Contents

During the lab students will learn how to transform text unstructured data into features eligible for machine learning applications.

NLP techniques will be explored, focusing on state-of-the-art libraries to handle text, extract features from it and enrich AI models with these features.

The structure of the lab will be the following:

- Data retrieval
- Text transformation
- Machine Learning model building
- Performance evaluation

Eligible Students

A maximum of 10 students that will be divided into two groups.

Skills needed:

- Basic knowledge of API and scraping
- Good knowledge of Python
- Strong Interest in AI

Interested students should send their application to dse@unimi.it by May the 10th.

