

# 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 5 slots of 4 hours each.

The period, that will be precisely defined in the next weeks, will start from the end of May and end in June.

### 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

### How to apply

Send an email to [dse@unimi.it](mailto:dse@unimi.it) with your CV, your DSE career self-certification and cover letter explaining why you want to join and how you meet the requirements.

### Deadline

Wednesday, 3rd March 2021 @ 23:59 (CET).