

UniNapoli: Lectio 8 Maggio

8 May 2020 event where we talk about Machine Learning on Azure and forecast analysis with python and jupyter notebook.

Agenda

1. Presentation 🕒 **14:30**
 - Who Am I
 - Who Is Proge-Software
2. Introduction **14:45**
 - Python
 - Pandas
 - NumPy
 - Matplotlib
 - Seaborn
 - Scikit-learn
 - Jupyter Notebook
 - Anaconda
 - Machine Learning
 - Supervised Learning
 - Unsupervised Learning
 - Preprocessing data
 - Forecast Analysis
 - Prophet
 - ARIMA: Autoregressive integrated moving average
3. Azure Machine Learning Studio (Preview) 🕒 **15:30**
 - What is Azure ML Studio (Preview)
 - Differences with Classic version of the platform
 - Why do we need it
 - How does it work
 - Compute
 - Compute Instances
 - Compute Clusters
 - Inference Clusters
 - Attached Compute
 - Storage
 - Notebooks
 - Work with Computes
 - JupyterLab
 - Command Line
4. Demo 🕒 **16:00**
 - Setup Azure ML Studio
 - Data
 - Preprocessing the Data

- Code explanation
- Train the Prophet model and prediction of the trend
- Test the Prophet model

5. Where to go next **16:20**

- Neural Networks
 - Tensorflow
 - Keras
 - pyTorch

6. Q&A **16:25**