

# README

July 4, 2020

## COVID PROJECT

A project whose aim is to describe the situation in Italy due to the Coronavirus and to trace the sentiment change during the last months.

### Description

The general discussion of the project is outlined in the file COVID\_report.pdf, we provide the repository organization below:

- BI
  - Covid dossier
    - \* Covid\_dossier.mstr, MicroStrategy dashboard file
    - \* Covid\_dossier.pdf, pdf exported from Covid\_dossier.mstr
    - \* COVID\_dashboard.ipynb, script to emulate a simple BI dashboad (integrated in the MicroStrategy dossier)
- Sentiment analysis
  - csvMerge.ipynb, script to merge all the daily files of the 40wita dataset
  - sentix.csv, an italian lexicon
  - PolProcessing.ipynb, script to assign tweets a polarity classification
  - ClassificationModel.ipynb, script to build a machine learning model useful in the analysis of tweets