PYTHON FOR DATA ANALYSIS

Assignment 2

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MINI PROJECT REPORT

*COVID 19 Data Analysis project*

### Context

Coronaviruses are a large family of viruses which may cause illness in animals or humans. In humans, several coronaviruses are known to cause respiratory infections ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). The most recently discovered coronavirus causes coronavirus disease COVID-19 - [WHO](https://www.who.int/news-room/q-a-detail/q-a-coronaviruses)

People can catch COVID-19 from others who have the virus. This has been spreading rapidly around the world and Italy is one of the most affected country.

On March 8, 2020 - Italy’s prime minister announced a sweeping coronavirus quarantine early Sunday, restricting the movements of about a quarter of the country’s population in a bid to limit contagions at the epicenter of Europe’s outbreak. - [TIME](https://time.com/5799107/italy-coronavirus-quarantine/)

### Content

This dataset is from <https://github.com/pcm-dpc/COVID-19> collected by Sito del Dipartimento della Protezione Civile - Emergenza Coronavirus: la risposta nazionale

This dataset has two files

* covid19\_italy\_province.csv - Province level data of COVID-19 cases
* covid\_italy\_region.csv - Region level data of COVID-19 cases

### Inspiration

Insights on

* Spread to various regions over time
* Try to predict the spread of COVID-19 ahead of time to take preventive measures