Worldwide Coronavirus Analytics

Introduction

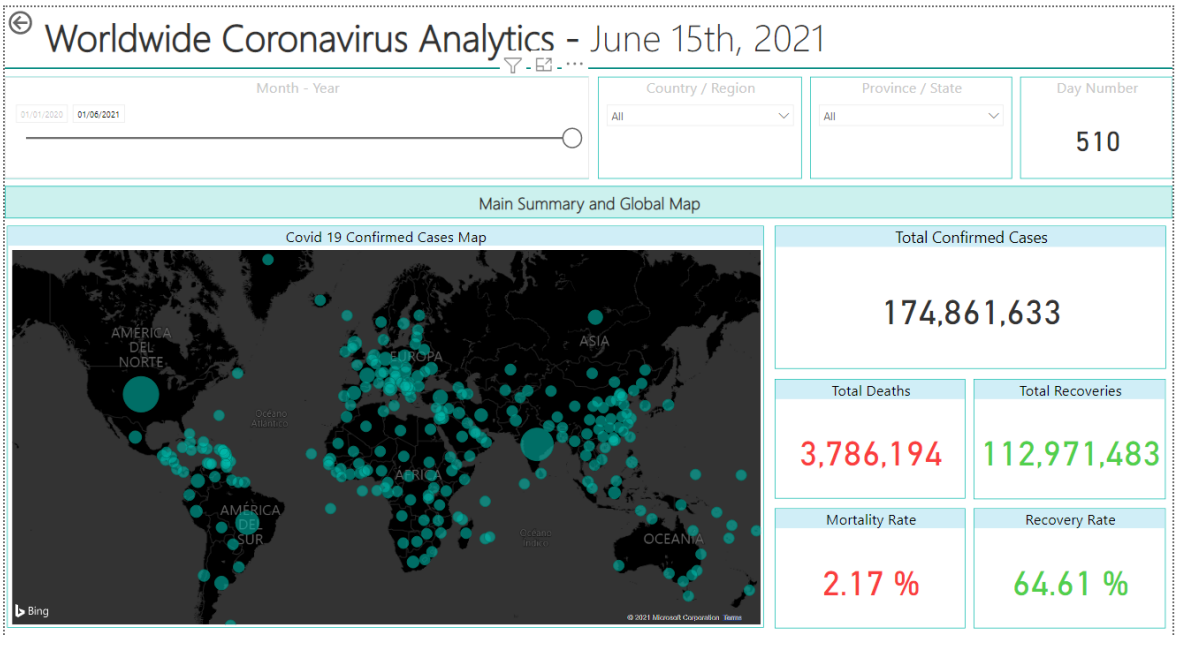
Covid 19 outbreak, a subject that is not indiferent to anybody, has affected all levels of the society in many ways: economy, education, tourism, employment, entertainment, and the list goes on and on, it has been A crisis that has cost lives, suffering and, in the least of the cases, upending people's lives. With massive data volumes being generated daily, healthcare professionals and researchers have an opportunity to fight the pandemic by analyzing the data so world leaders make accurate and effective countermeasures to fight the pandemic.

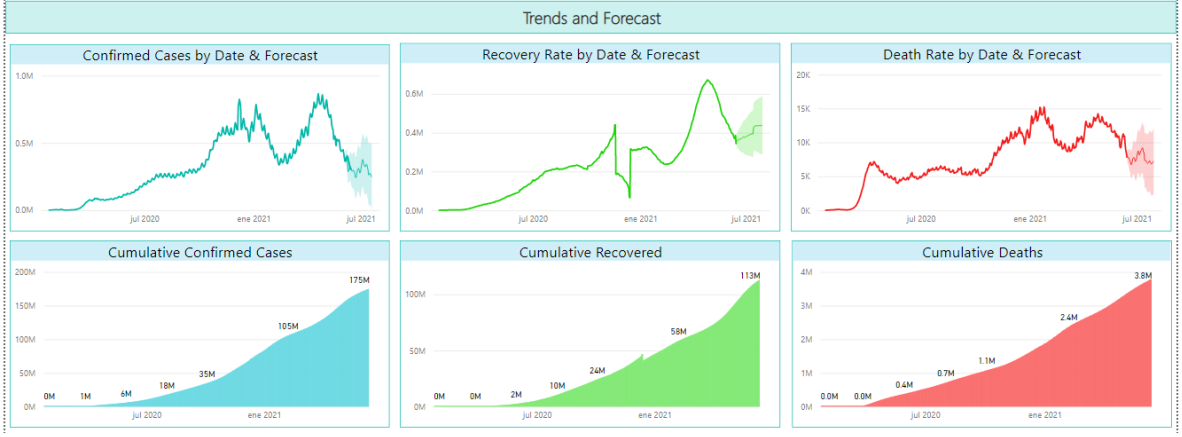
Coronavirus pandemic has rise important questions about the opening, sharing and use of data, this situation has highlighted the challenges associated with data use. To address the ongoing need for data-driven decision making it is critically important that all countries are able to report their Covid 19 situation and a dashboard can be an important tool that provides more comprehensive insights about the epidemiology and response to Covid 19 at global level.

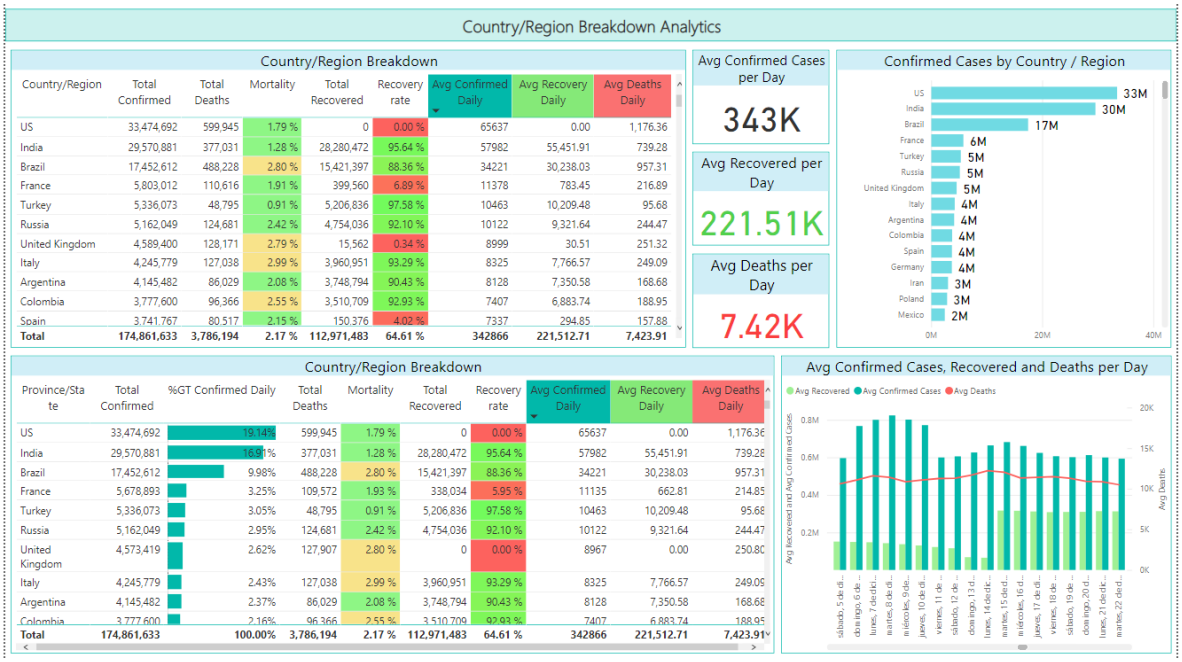
Objetive

Our final goal is to build a complete dashboard in Power BI of the worldwide Covid 19 situation using the published data by Johns Hopkins University avaliable at the GitHub data repository. However we will have to use Python and perform some data cleaning to prepare our data for the dashboard. Our dashboard needs to count with some slicers to make filtering easier, we will include Date and a Country one. It has to include a main summary that describes the world situation with totals and a map. It has to have the trends of confirmed cases, deaths and recovery with their respective forecasting. And finally the last section will have its breakdown analytics for each country.

Dashboard







Conclusion

This dashboard allows users to get insigths about the covid 19 situation wether at global scale or to a specific country by accessing reliable data. This data visualization tool help in grasping the current status of COVID-19 as the situation unfolds in a way no better than the rest. Here, users will be able to see new and confirmed cases, deaths and recovered global statistics. For country-specific information, all the user needs to do is click on the country they want to know about on the interactive map and the information unfolds.