

Visualization of COVID-19 Data using Jupyter Notebook

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ABSTRACT

This work is an effort to visualize the COVID-19 data using jupyter notebook. As we all know the world is going through one of the most disparaging pandemics started in Dec 2019 from a city name wuhan in china. Until now there is no sign of developing a vaccine for the virus, the things that we can do to stop its spread is social distancing and another thing is analysis of data for better decision to keep the destruction minimum as possible. In view of that we had write some code to visualize the data using one of the most popular tools now a days called jupyter for data analysis.

Keywords

COVID-19, Python, Jupyter, pandemic.

1. INTRODUCTION

A pneumonia of unknown cause detected in Wuhan, China was first reported to the WHO Country Office in China on 31 December 2019. The outbreak was declared a Public Health Emergency of International Concern on 30 January 2020. On 11 February 2020, WHO announced a name for the new coronavirus disease: COVID-19. In a very short span of one month this virus spread in the whole world. The current situation is that there is not a single country which is not affected by the pandemic. Still we don't have a vaccine for this kind of pandemic the ways to stop it from community spread is social distancing and Lockdown. As a preventive measure against the COVID-19 pandemic in India Lock down was scheduled as:

Phase 1: 25 March 2020 – 14 April 2020 (21 days)

Phase 2: 15 April 2020 – 3 May 2020 (19 days)

Phase 3: 4 May 2020 – 17 May 2020 (14 days)

Phase 4: 18 May 2020 – 31 May 2020 (14 days)

Phase 5: (only for containment zones): 1 June 2020 – ongoing.

The purpose of this paper is to visualize the data of confirmed, recovered and deaths due to the coronavirus. This data is very dynamic and changing on daily basis, we have used a dynamically updating data source for this visualization. The purpose of this visualization over jupyter is to understand the jupyter notebook basics for data visualization.

The rest of this paper is organized as follows. Section 2 briefly described the jupyter notebook and