

DATA ANALYSIS ON COVID-19

ABSTRACT:

The Covid-19 pandemic has shaken the world completely. No one knew what was coming and everyone was running helter-skelter. The governments were paralyzed and the infrastructure required to deal with this problem was absent completely. The genome sequence was out. But what the disease entailed and what it will lead out was just anyone's imagination. Till today as we write there are multiple dimensions of it that lay unexplored and need a deep exploration to be found out. Our Project seeks to uncover the mystery using the application of data sciences to solve it. We seek to use data sciences to help authorities and also to give the medical field the insight that data can provide to them to deal with the pandemic better. Data science is the application of data science algorithms and machine learning to train the models to find patterns.

Patterns reveal what the common issues are and common symptoms and everything that is common comes out in a visual representation. It's these representations which make complex things easy and digestible to people from non tech backgrounds.

Use of data science in such a pandemic will lead to greater insights in the data we are working on. A huge dataset of people suffering from Corona virus to give us better ways of fighting the pandemic. Data-sciences in our project is being applied to just the Corona virus but its applications are wide ranging and can be applied across sectors of diseases to diagnose better. In-fact data science is the new method of diagnostic and can lead to even better cure for diseases. It's this frontier we seek to find from our project.

1. INTRODUCTION

Covid-19 cases are increasing day by day in and all over the world, millions of people are dying and the economy is experiencing free-fall. It has been spreading like water in the open ocean and it seems like there is no stopping it, But thankfully since the inception of this epidemic many countries have properly managed the databases of each and every patient and their health history. We today have advanced computational infrastructure and data science algorithms through which we can analyse these

data sets and gain insight-full information so that we can help the society. People have proposed many interesting models and trend prediction methods. The project will help us in recognizing the insights that will be gained by using data science algorithms on the data, these insights will help us in identifying and giving an idea of how the number of covid cases are impacted as possibility of being diagnosed positive on the basis of the symptoms.