Introduction

Covid 19 is spreading worldwide. Scientists have questioned the outbreak's cause. The World Health Organization estimates that over a quarter million people had died from the illness by May 27, 2020. Within months, this virus had infected millions of individuals worldwide. Many facets of the covid problem exist in one country. Countries around the world have taken steps like staying indoors, social isolation, hand washing, travel restrictions, lockdowns, and more to stop the spread of the disease. Lockdowns, for example, are extreme, have unparalleled effects on daily life, and have major economic consequences. The recent global lockdowns have had a major influence on global GDP, making precise forecasting of COVID-19-related aspects even more important.

The lockout stretched the supply chain and made streamlining crucial products opaque. The informal sector and hourly workers are especially at danger. Uncertainty plagues many US food farmers. Hotels and airlines are laying off workers and lowering salaries. We evaluate the spread under the economy's effect using machine learning algorithms with linear regression models. Predicting future trends by analyzing past or present data. Such analysis and forecasting involve defining the job, acquiring relevant data from many sources, assessing the data, undertaking statistical analysis, constructing a data model, deploying the collected data using numerous approaches, and monitoring the model.

Forecasting has been one of the most successful statistical methods for detecting and analyzing patterns and predicting future events, allowing for early and mitigating action. In this paper, we use a linear regression model and clustering to examine the data on COVID-19 cases and the pandemic's economic impact. We also provide many data visualizations. We evaluate, clean, load, characterize, partition, apply the model, and visualize the data in this procedure.