

Analysis of the effects of COVID-19 on Indian Stock Market

Abstract

The stock market always excited many researchers and business analysts. It is a general belief that predicting or capturing a trend in the stock market is close to impossible due to its randomness. Now due to COVID-19 pandemic, the fluctuations have been more random than they were before, which further piques the interest for researchers to capture a trend of a challenging market. Applications of models like "spline regression," "auto-regressive" and "GARCH" show great promise in time series analysis of the market. In this report, I focused on capturing the trend of both Nifty and Sensex, before and after the pandemic. I shall conclude in this report whether COVID-19 affected the market or not, and what model best captures the trend using R.