

A Study on the Application of AI on Global Stock Exchange Post COVID 19

Dr. Jignesh Dalal

Assistant Professor, Department of Accountancy
Nirmala Memorial Foundation College of Commerce and Science

Abstract: *The examination explores the effect of the Coronavirus actuated closure period on the Indian stock trade. The audit looks at the degree of the lockdown's impacts on the Indian monetary trade and whether Coronavirus' pre-and post-lockdown market responses would have been very comparative. The Market Model Occasion has an emphasis on procedure approach. To direct the assessment, 31 organizations recorded on the Bombay Stock Trade (BSE) are utilized for instance. 35 days are utilized as the model time span for the survey (24 February-17 April, 2020). A 35-day event window was picked, with 20 days preceding and 15 days during the occasion. The lockdown was announced by the experts on this specific event (t1). The outcomes show that the market responded powerfully and conclusively during the current lockdown time frame, and that monetary supporters expected the lockdown and answered strongly. Notwithstanding, during the pre-lockdown time frame, monetary benefactors froze, which was reflected in frustrating AAR. The examination searches for proof of a positive AR around the momentum lockout period and affirms that the closure fundamentally affected stock exchanging till what is going on India was settled.*

Keywords: Coronavirus; Event study; Lockdown period; Stock Market; Abnormal Return

REFERENCES

- [1]. Adda, J. (2016). Economic activity and the spread of viral diseases: Evidence from high frequency data. *The Quarterly Journal of Economics*, 131(2), 891-941. DOI: doi.org/10.1093/jet/qjw005
- [2]. Baker, S. R., Bloom, N., Davis, S., Cost, K., Sammon, M., & Virtuosi, T. (2020). *The Unprecedented Stock-Market Reaction to COVID-19*, Kellogg Insight. Chicago, IL: Kellogg School of Management, North-western University.
- [3]. Brown, S. J., & Warner, J. B. (1985). Using daily stock returns: The case of event studies. *Journal of Financial Economics*, 14, 3-31. [https://doi.org/10.1016/0304-405X\(85\)90042-X](https://doi.org/10.1016/0304-405X(85)90042-X)
- [4]. DH Web Desk (2020). Coronavirus India update: State-wise total number of confirmed cases, deaths on April 17. *Deccan herald Online Newspaper*, Retrieved April 20, 2020, <https://www.deccanherald.com/national/coronavirus-india-updatestate-wise-total-number-of-confirmed-cases-deaths-onapril-17-826340.html>
- [5]. Ducharme, J. (2020) World Health Organization Declares COVID-19 a 'Pandemic.' Here's What That Means. *Time Online Newspaper*, Retrieved April 20, 2020, from <https://time.com/5791661/who-coronavirus-pandemic-declaration/March 11>