Empirical Evidence on Calendar Anomalies in Trading and Non-Trading Day Returns in Indian Stock Market

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Abstract
This study investigates the existence of calendar anomalies in Indian stock market by taking a sample of 14 Nifty Sectoral Indices and Nifty 50 Index. The existence of calendar anomalies is studied by considering Trading day (Open to Close) and Non- Trading (Close to Open) day returns. The calendar anomalies considered for the study are namely Day-of-the-week, Week-of-the-month effect, Half-monthly effect, Month-of-the-year effect, Turn-of-the-month effect, Half-yearly effect and Turn-of-the-Year effect. From the results of GARCH (1,1) model, it is revealed that there is volatility clustering in return series. Further, the study suggest that in case of non-trading day best time for investor to take advantage of calendar anomaly is to buy on Tuesday and sell on Wednesday of first week of October, December and June. Higher returns are seen in second half of the year. This study will provide valuable insights for investors and fund managers.

JEL Code : G13, G14, G41,
Keywords : Trading; Seasonality; Abnormal Returns; Calendar Anomalies; GARCH; NSE; India

I. Introduction
THE STOCK MARKET is said to be efficient if the stock prices reflect all the available information. Efficient market theory says that no investor can create abnormal returns as all investors are exposed to available information. (Fama, 1970) introduced three forms of market efficiency i.e. weak form, semi strong form and strong form. But there can be a situation which is contradictory to the notion of efficient market hypothesis. If in any market,

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1 Presented at IIF International Research Conference and Award Summit, January 2023
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Submitted December 2022; Accepted September 2023
References


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## Annexure I

Data period for Nifty50 index and 14 sectoral indices

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<th>Sr. No.</th>
<th>Index</th>
<th>Start Date</th>
<th>End Date</th>
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*Source: Self Constructed*