Abstract

SEBI has encouraged infusing of smart order routing, colocation, internet, mobile and algorithmic trading since 2008 along with non-algo trades. This has altered the stock market ecosystem. The study is unique as it examines the relationship between return and the nature of volume movement in different modes of trading. The long-run relationship of the mode-wise trade movement is established using the cointegration test, followed by which the study employs the VECM model to present the long and short-run dynamics of the cointegrated series. The result shows that independent mode-wise trade volume causes change patterns in NIFTY returns to a notable extent. The causal relationship is evaluated to identify if the movement pattern in one trading mode has any useful signal for other traders.

JEL Code: G1, G12
Keywords: Trading; Machine Trade; Volume; Volume-return; Soups; NSE; India

I. Introduction

THE EVOLUTION OF technology has altered market microstructure, Stoll (2006). Trade volume, return, price, and volatility are driven by economic forces (Sengupta, Dutta and Dutta, (2019), Baranidharan and Dhivyaa (2019)) and the study contains useful information to assess market function. The volume of trading is an important aspect of the stock market that represents an economic relationship between stock and traders, Lo and Wang (2010). Volume indicates fundamental and psychological factors that drive stock price. The trade movements in different modes of trading is viewed as proxy for flow of information and technology influence. In terms of volume generated by different types of traders, the existing literature presents

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References


