IJARSCT

ISSN (Online) 2581-9429

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.67

Volume 5, Issue 1, March 2025

The Dynamics of Stock Market Volatility

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Abstract: *Volatility of the stock market is a widely reported measure of financial market health and economic mood. Volatility is a statistical indicator of the movement of stock prices and is characterized by a large universe of factors that include investor sentiment, macroeconomic variables, geopolitical incidents, as well as corporate actions. Stock market volatility is of interest to financiers, policy makers, and money managers because it has immediate implications for investment, risk assessment, and economic forecasting. This paper covers the origin of volatility, measurement of such volatility through parameters like standard deviation, beta coefficient, and volatility measures, and the impact of volatility in the financial sector. It also covers past trends in the market, including major financial crises and their impact on investor sentiment and market leadership. The study also explains other risk management instruments, such as diversification, hedging, and algorithmic trading, that contain the negative effect of market volatility. Drawing conclusions from evidence and theory, the study hopes to shed light on forecasting models that would drive policymakers and investors to make wise choices when faced with uncertainty.*

Keywords: Stock Market, Volatility, Risk Management, Market Trends, Economic Factors, Investor Behavior

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DOI: 10.48175/568

ISSN 2581-9429 IJARSCT