

Macroeconomics and Finance in Emerging Market Economies >  
Volume 1, 2008 - Issue 1

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## Optimal hedge ratio and hedging effectiveness of stock index futures: evidence from India

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Pages 121-134 | Received 17 May 2007, Accepted 29 Oct 2007, Published online: 28 Feb 2008

Cite this article <https://doi.org/10.1080/17520840701859856>

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## Abstract

In a free capital mobile world with increased volatility, the need for an optimal hedge ratio and its effectiveness is warranted to design a better hedging strategy with future contracts. This study analyses four competing time series econometric models with daily data on NSE Stock Index Futures and S&P CNX Nifty Index. The effectiveness of

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point of view, one can equally consider the simple OLS strategy that performs well at the shorter time horizons.

Keywords: optimal hedge ratio multivariate GARCH model stock index futures

## Acknowledgements

The authors are thankful to the National Stock Exchange (NSE) Research Initiative for funding this project and two anonymous referees of this journal for their useful comments.

## Notes

1. Index futures' trading was started on 12 June 2000 in NSE. We have not considered the first three months of data since initial months on the futures market will have poor trading volumes and liquidity.
2. The entire results can be obtained from the authors upon request.
3. The model is estimated in MATLAB using a GARCH Tool Box.

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