Abstract

Neural networks are the artificial intelligence techniques for modeling complex target functions. Now-a-days it has made remarkable contributions to advancement of various field of finance such as time series prediction, volatility estimation etc. The present work examines the volatilities in the Indian stock market (BSE-SENSEX & NSE-NIFTY) by comparing the volatilities, using Parkinson method, Roger Schell model, German Klass & ANN models. The work concludes that, there is no difference between the models in arriving at volatility in both the indices.

Reference

- Andrade, Chang, Tabak (2003) Tracking Brazilian Exchange Rate Volatility, Econometric
Society 2004 Far Eastern Meetings, 1-27

Index Terms

Computer Science
Applied Economics

Key words
Parkinson model
German Klass model
Roger

Schell model

MLP
Volatility Estimation using Extreme-Value Estimators & MLP model