Abstract

Emergent trends in computing use hybrid approaches to solve optimization problems. Such hybrid model comprising of soft computing technique based on neuro-fuzzy approach and an optimization technique based on fire fly algorithm is proposed in this paper. Firstly, this paper describes some existing techniques on which it is based. Then the new technique, its algorithm, benefits, result and error is elaborated. In this paper we have proposed an efficient
model to predict the closing index value of financial market. Comparison with other existing models shows better accuracy in predicted output. The mean absolute percentage error (MAPE) obtained using this model is 0.0753.

References


Index Terms

Computer Science

Artificial Intelligence

Keywords

Neuro Fuzzy Algorithm  Firefly Algorithm  Computational Intelligence  Hybrid
Models
Prediction