

Fuzzy Forecasting Based on Two-Factors High-Order Fuzzy Time Series

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Abstract

In our daily life, we often use forecasting techniques to predict weather, earthquakes, stock, temperature, etc. Traditional forecasting methods cannot deal with forecasting problems whose historical data are linguistic values. In recent years, some researchers used fuzzy time series to handle forecasting problems. In this talk, we introduce a fuzzy forecasting method based on two factors high-order fuzzy time series to forecast the temperature and the TAIEX (Taiwan Futures Exchange). We also offer some research directions, which are worth pursuing for future research.