Predicting Rice Import through Methods of Halt Winters

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In this research the value of rice import for the outcoming 5 years has been predicted by using the value of importing this product during 1981-2012. For prediction firstly the predictability of series by random test of Wald-Volfoytz has been considered. Then non-scientific regression methods of ARMA and ARIMA and also non-regression methods of Halt Vinterz were compared based on minimum mean square error finally the best model of prediction for each series of data were chosen based on which the prediction for 5 outgoing years was done. The result show that the value of rice import based on Vald-Volfoytz was not random and it is predictable. Then for predicting the value of rice import stability of data was considered by DickyFoler test that the value of rice import at the surface and with width the origin and without differentiation was static at 5 percent error level. After that prediction methods with criteria of minimum mean square error were compared that for series of rice import value APMA method was chosen as the best model. Finally by sing chosen method the prediction for outcoming 5 years was done that value of rice import for the fallowing years have ascending process.

Keywords : rice import, test of Wald-Volfoytz, methods of Halt Vinterz