APPLICATION OF ARIMA MODEL FOR PREDICTING CASHEW

NUT PRODUCTION IN INDIA – AN ANALYSIS

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ABSTRACT

A statistical modeling approach (Box-Jenkins' ARIMA model) has been used for the study to predict Cashew nut production in India. The order of the best ARIMA model was found to be (2,1,1). Further, efforts were made to predict, as accurate as possible, the future cashew nut production for a period up to five years of fitting ARIMA (2,1,1) model to our time series data. The prediction results were shown that the annual cashew nut production to grow in 2016, then its take a sharp dips in 2015 and in subsequent years 2016 through 2020.

KEYWORDS: ARIMA Model, Cashew Nut, Data and Predicting