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**Makridakis Metodos Pronosticos Pdf 36**

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a simple and intuitive method to produce a graph for depicting the performance of the forecasting techniques is the so-called relative share of the forecasting combinations. this method is commonly known as the m-competition (makridakis & hibon, 2000; nikolopoulos et al., 2011a). to identify the most appropriate forecasting method, this study firstly used the dowd (1971) information criterion (ic), which adopts the akaike information criterion in a hierarchical approach. a statistical significance test was conducted for ic, using the f-test (anscombe, 1964). once the best method was chosen, a second step was undertaken to verify the accuracy of the chosen forecasting method, through the use of the ape defined by atkinson and bailey (1996) to generate probabilities of exceeding the 5%, 10%, and 50% thresholds for several classical forecasting algorithms (see 3.2 ). the procedure that implemented this verification is the same used by makridakis et al., (1998), according to the following stages: (i) step 1: initializing and reading data; (ii) step 2: preprocessing of data and extraction of series; (iii) step 3: forecast generation; (iv) step 4: calculation of error rate; (v) step 5: assessing ape results; and (vi) step 6: final information. as it was proposed by makridakis et al., (1998), the trend removal technique aims at removing any pre-existing information from the data series, since adding information is not only seldom useful but may be conflicting for the purpose of forecasting. the trend removal technique was performed using the `lm()` function in r. considering that the resulting trend is a linear combination of the initial data series, the latest values were subtracted. for this study, the values of the 10-period smoothed percentage of withdrawn water in the center of the city of porto alegre, from the years 2006 to 2014, were used.

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This study presents the results of a forecast combination analysis for a description of the studied countries' national dairy cattle milk production system using a combination of ARIMA and of exponential smoothing (ES). For this purpose, the dairy production system analyses were performed in order to show the importance of variables, which should be included in the models. The datasets were utilized to analyze the national dairy cattle milk production system of the countries whose data was available. The examined data consisted of the selected variables that could be crucial in describing dairy cattle milk production such as: inputs, outputs, imports, exportation, productivity and efficiency. The values of production and efficiency of the population and the dairy cattle milk production systems are the important indicators of national income (C&M, 2012; Makridakis & Hibon, 2000). In order to evaluate the efficiency of dairy cattle milk production, the classic index of production efficiency (COEDP, 1999) is used, being calculated by the ratios of the production output by the population and the production input (PI). [35] Makridakis S. 1998. Forecasting and its measurement. In: Makridakis S. and Roussopoulos C.M. (eds.) Measuring the quality of forecasts in business applications, volume I. KAOS, Thessaloniki, Greece. A book edited by: Hjalti G.J., pages 203-217. The chapter on measurement. It is possible to adjust the different time series in order to have the same number of points or equally spaced points. However, according to Makridakis et al (1998), "Usually, the original data are adjusted by standard time series techniques to provide the requisite time series structure in the residuals.

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This may be accomplished through an interaction of the predefined trend, seasonality and noise (random fluctuations) in the data. The raw data may be referred to as the "whole series", and the processed data as the "reduced series". " 5ec8ef588b

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