Forecast for daily data of retail sales

Maria Sílvia de Assis Moura ¹, Antonio Álvaro de Assis Moura ², Camilla Emanuelle Marques ³, Maísa Rodrigues Santos ⁴.

Abstract: The application of the Box-Jenkins time series methodology in the analysis of daily data from a retail company was described by means of a SARIMA, with intervention. The model describes and forecasts weekly seasonality, indicating a subtle ascension. The adjusted model will allow a more accurate decision by the company.

Keywords: Additive Outlier; ARIMA; Forecast; Sazonal.

 $^{^1 \}mbox{DEs-UFSCar.}$ e-mail: msilvia@ufscar.br $^2 \mbox{FACES-UFU.}$ e-mail: a3moura@gmail.com

 $^{^3 {\}it FACES-UFU.~e-mail:~} camilla.emanuelle@hotmail.com \\ ^4 {\it FACES-UFU.~e-mail:~} mais a 12~rodrigues@hotmail.com$