Analysis of intervention and price prediction of the 50kg bag of rice in bark in the State of Rio Grande do Sul from 2008 to 2018 using time series.

Glaciane Lopes Teixeira ¹, Thelma Sáfadi ², Tales Jesus Fernandes ³, Mirian Rosa ⁴

Abstract: With the need to analyze rice price variations, the objective of this work is to test forecast models for time series, reaching satisfactory results in the 50 kg rice price series, allowing forecasting for the next six consecutive months of rice production series.

Keywords: Time series; Forecast; Intervention; Economy.

 $[\]overline{\ ^{1}} \mbox{Universidade Federal de Lavras, Departamento de Estatística. e-mail: } \mbox{\it glacianelopes@outlook.com}$

 $^{^2}$ Universidade Federal de Lavras, Departamento de Estatística. e-mail: safadi@des.ufla.br

 $^{^3}$ Universidade Federal de Lavras, Departamento de Estatística. e-mail: tales.jfernandes@ufla.br

 $^{^4}$ Universidade Federal de Lavras, Departamento de Estatística. e-mail: mirian.rosa1@posgrad.ufla.br