

1127-62-183

Rasitha R. Jayasekare*, Department of Mathematics and Actuarial Sc, Butler University, Indianapolis, IN 46208, **Ryan Gill**, Department of Mathematics, University of Louisville, Louisville, KY 40292, and **Kiseop Lee**, Department of Statistics, Purdue University, West Lafayette, IN 47907. *Modeling the Changes in the Minimum Gasoline Price using a Threshold Auto Regressive Model.*

Threshold Auto Regressive (TAR) models have become popular in many financial and economic applications. A TAR model is applied to describe the changes in minimum gasoline price. Non linearity and the symmetry in the mean and the volatility of the minimum gasoline price change is also discussed. The model is tested with daily gasoline prices from Western Australia. (Received February 02, 2017)