

Investigating structural dependence in natural rubber demands based on entropy analyses and copulas

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Abstract. The purpose of this paper is to investigate the effects from natural rubber exports in seven ASEAN countries (i.e. Cambodia, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam) over the period of 2006 – 2017 collected by CEIC data. The data was econometrically employed to the multianalytic methods such as data classification (stationary testing, entropy, and cross entropy), data parametric forecasting (MEboot estimator), and data structural dependent analyses (C-vine copula). The empirical results of econometric analyses represent which countries are market leader and market followers and also useful for policies development regarding to the natural rubber production development and promotion.