Forecasting or Estimates of the electricity demand pattern in various economic systems in the province of Guilan

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Abstract Energy management is of particular importance today as energy is the key to the development of each country. Therefore, in order to control energy consumption, the factors affecting energy demand and the impact of each of them should be determined. Therefore, this research has been carried out with the aim of estimating the demand function of electricity in different economic sectors in Guilan province. This research is a descriptive study. The statistical population of this study is economic sectors of Guilan province during the years of activity of these sectors. In this study, by dividing the demand for electricity into different agricultural, commercial and industrial sectors, based on the theoretical foundations of microeconomics, the electricity demand was estimated in these three sections. And then separately examined. For this purpose, in the first part of the panel data 1386 to 1395, the method of ordinary least squares (ols) was used. In the second part, the seasonal data of the time series were evaluated separately for each section. The results showed that in all three sections, the price elasticity is less than unit. Keywords: demand function, economic sectors, electricity prices

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