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주유소 휘발유 가격 결정 요소들의 영향력 분석

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Analyze the influence of factors that determine gasoline prices at the gas station

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Abstract

This study analyzes the determinants of gasoline prices at gas stations nationwide from January 2011 to December 2022. In particular, we empirically tested the impact of the expansion of the EV market on gasoline prices and estimated various regression models to understand the relationship between the variables. There are a total of 10 models to estimate, ranging from simple linear regression to multiple regression. For each model, the regression equation was tested for significance using DW test, JB test, White test, BP test, VIF, RESET test, Chow test, BG test, GQ test, etc. The results showed a positive relationship between the number of EVs and gasoline prices. However, there are limitations in the model, which should be addressed in future research.

Keywords: Regression, Gasoline price, EV market

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