

SPATIAL EFFECTS OF ECONOMICAL AND INFRASTRUCTURAL FACTORS ON BEV ADOPTION: EVIDENCE FROM AN EMERGING MARKET

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Abstract: *Potential differences among developed and emerging countries regarding the battery electric vehicles (BEVs) adoption are highlighted in the literature. However, most studies focus on factors influencing BEV penetration in mature markets. In this paper, we explore the spatial adoption of electric vehicles and its determinants using data from Hungary, an emerging country. We show that spatial heterogeneities in the adoption rates of BEVs are important. Without taking these heterogeneities into account, only the fast chargers exhibit significant positive effects on BEV registration rate. We show that other local conditions, such as income and urbanization are also important factors explaining the new BEV registration rate.*

Key words: *battery electric vehicles; BEV adoption; fast chargers; income; spatial regression*

JEL Classification: *C31; L62; R12*

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