Analysis of multi-factors affecting resource consumption efficiency in Vietnam

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Abstract:
This study's primary objective is to delve into the factors potentially influencing resource utilization efficiency at the provincial level in Vietnam. We leverage 185 data points gathered from 63 Vietnamese cities or provinces, obtained from two key sources: the General Statistical Office of Vietnam and the Ministry of Information and Communications Vietnam. The collected data was subjected to analysis using an empirical econometric model that incorporates time-series characteristics to explore the connections between these potential determinants of resource consumption efficiency. The analysis revealed a strong correlation between resource utilization efficiency and the quality of digital transformation, logistics performance, and various aspects of public governance including accountability to higher authorities, control of corruption, administrative procedures, and public service delivery. Additionally, the provincial competitiveness index, encompassing factors like entry costs, policy bias, and labor policy, also demonstrated a significant association. These findings highlight a clear link between effective public governance and efficient resource utilization in Vietnamese provinces. This suggests that robust public governance systems, combined with advancements in digitalization and logistics, can play a crucial role in optimizing resource utilization within Vietnam Provinces.

Keywords: resource consumption efficiency, public governance, provincial competitiveness, logistics, digital transformation.

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