

Managerial and Scale Efficiency DEA Analysis of Logistics Service Providers (LSP) in Brazil.

Resumo

This work analyzes the evolution of scale and managerial efficiency of LSP companies in Brazil. A preliminary analysis conveyed to a cluster classification of the LSP into clearly distinct groups regarding LSP activity on a supply network. These groups of relatively homogeneous operating functions require different management skills and processes inducing specific efficiency analysis. Scale efficiency was evaluated taking CCR and BCC models as well as NIRS in order to identify the range of increasing or decreasing returns to scale. Since managers are able to improve efficiency acting only on technical efficiency and increasing returns to scale are obtainable only on a long term basis, managerial efficiency according Cowie/Asenova (1999) was also evaluated. The results can help LSP companies to check their position in the market and evaluate the need for specialization in a more competitive environment, possibly adjusting size and optimizing their configurations in order to fit market requirements.