

ON SUPPLY CHAIN PERFORMANCE MEASUREMENT

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ABSTRACT

In this paper we show how DEA and its variants, and OCRA can be applied to gauge the performance of a supply chain based on a number relevant metrics for the performance of supply chain activities with respect to order planning, supply and delivery links, and conversion process. A realistic example involving a company that distributes electronic components globally is introduced to demonstrate how performance ratings for its supply chain are obtained using different DEA and its variants as well as OCRA. The paper concludes with comparison and discussion of the results.