PERFORMANCE MEASUREMENT FROM A DECISION ANALYSIS PERSPECTIVE

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ABSTRACT

The problem of decision making under partial probability information can be solved using an LP model. The same model can configured to gauge the relative performances of a set of entities. The LP's configuration depends on the performance criterion used. We propose various criteria and show that one particular criterion leads to a configuration of the LP model that is the same as the basic CRS output/input oriented DEA model and another to the basic model of operational competitiveness rating analysis (OCRA). We discuss and compare the performance measurement models resulting from the use of different performance criteria, and comment on their policy implications.