

Efficiency and Sensitivity Analyses in the Evaluation of University Departments

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Abstract:

We present a value efficiency model for comparing the efficiency of university departments and for allocating resources among them. The model permits extensive sensitivity analyses about the choice of key inputs/outputs and their weightings: thus, for example, it helps determine the highest and lowest possible rankings for the departments and characterizes those weights that would result in a given efficiency ranking. The model is generally applicable, and it has already been employed at TKK.

Keywords:

Additive Value Function, Sensitivity Analysis, Rankings