

02. A PROCESS FOR EVALUATING with DEA/AHP Model

물류시스템공학과 송재영
지도교수 신창훈

Data envelopment analysis (DEA) is a linear programming based technique for measuring the relative performance of organizational units where the presence of multiple inputs and outputs makes comparison difficult. DEA provides the user with information about the efficient and inefficient units, as well as the efficiency scores and reference sets for inefficient units.

This study improves DEA basic model and introduces DEA/AHP model. DEA/AHP model is incorporating Analytical Hierarchy Process result into a DEA model.

DEA/AHP model allowed for more restricted and reasonable efficiency than usually found in DEA application through using expert's knowledge. Also, this model permits more than effective choice of variables what used in evaluating efficiency.

