Abstract

The aim of this paper is to develop a methodology for the selection of window width in Data Envelopment Analysis (DEA). Analytical hierarchal process (AHP) is employed to achieve that purpose. Using panel data, the selected width is experimented with factual data, and results show robustness to efficiency assessment. This paper is the first to use AHP approach in the selection of a window width in DEA window analysis.

References

- Yang, H., and Chang, C., 2009. Using DEA Window Analysis to Measure Efficiencies of
Taiwan’s Integrated Telecommunication firms. Telecommunications Policy, 33, 98-108.


Index Terms

Computer Science
Operations Research

Keywords

Data Envelopment Analysis  Window Analysis  Efficiency