Abstract
The increase of the air transportation sector competition in recent years has changed this market dynamics, leading airlines to seek new strategies to ensure their position. This article aims to analyze the performance of Brazilian air carriers regarding their operational management, after the consolidation of the changes arising from the deregulation of the sector, in the year 2005. The analysis of the companies' efficiency in the year 2005 is done by comparing the results obtained with Data Envelopment Analysis model and with efficiency index based on the multiobjective model MCDEA-BCC, developed in this study from the Li and Reeves' MCDEA model. This project included a segmentation of the companies in clusters and benchmark, indicating the best managerial practices in the air sector.

Keywords
Air transportation, data envelopment analysis, multiobjective linear programming, MCDEA, TRIMAP.