Preface

Performance evaluation is essential in making future decisions. In this context effectiveness and organizational productivity must be taken into account so that economic growth can be monitored in future decision. Productivity Promoting is achieved with efficient use of production factors and plays an important role in sustained economic growth and sustainable production. In an organization, if we measure optimal use of inputs to produce outputs, in fact, the performance is assessed. If we measure the achieving the goals of the generated output, in fact, the effectiveness is assessed and from combination of the two, productivity could be extracted. One of the convenient and efficient tools in this context is DEA that as a non-parametric method used to calculate the efficiency of decision-making. Today the use of data envelopment analysis is rapidly expanding and in the evaluation of different organizations and industries such as banking, postal, hospital, schools, power plants, refineries, etc. are used. A lot of theoretical and practical developments in DEA models have happened that understanding of various aspects of it is inevitable. Using data envelopment analysis models addition to determine the relative performance, determine weak points in various indices and specifies the organization’s policy to promote efficiency and productivity by offering them favorable rate. For this reason, in this book we try to have some practical uses of data envelopment analysis. Although efforts have been made to appear good book, but experts help is always helpful in increasing the richness of the book.

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