



Measurement of Hospital Efficiency Using Data Envelopment Analysis (Classic Reprint) (Paperback)

By H David Sherman

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Measurement of Hospital Efficiency Using Data Envelopment Analysis This paper reports the results of a field study designed to evaluate the capabilities of DEA in locating relatively inefficient hospitals among a set of teaching hospitals. Earlier research has reported on the development of Data Envelopment Analysis (DEA), a mathematical programming based technique developed by A. Charnes, W. W. Cooper and E. Rhodes [6] [7] [8]. DEA is designed to locate and measure the technical efficiency of Decision Making Units (DMU) that use multiple inputs to produce multiple outputs on an ex post basis. A key characteristic of DEA is its ability to locate inefficient DMU s based on observed behavior without specific information about the production function, i. e., the input-output relationships that characterize the technology of a set of Decision Making Units within an industry. All that is required to apply DEA is an understanding of and an ability to measure the relevant outputs and inputs. These characteristics are particularly suitable for application to health care organization because 1) considerable benefits may arise from any...



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