

Efficiency and Effectiveness of Non-profit Public Projects

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Abstract

Public projects generally cannot show profits, yet they cost on the one hand and yield benefits on the other. These projects have many stakeholders and are heavily regulated. Measuring their efficiency is therefore attractive. In this study, we consider 50 budgeted public projects whose exercising was subject to regulations and involved many stakeholders. We use the Data Envelopment approach to define the characteristics of the most efficient and the least efficient projects. We consider the volume of the projects in terms of budget and allocated time as well as risk and uncertainty, the involvement of the stakeholders, and subjective evaluation of their success and contribution to the community. The results could be helpful for policymakers, especially in public infrastructure projects.

Keywords: Data Envelopment Analysis, Project Management, Stakeholders