Paper (1)

Title	**NEW FRAMEWORK FOR THE PRE-DESIGN STAGE USING STATISTICAL MANAGEMENT**
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Abstract	This paper attempts to enhance the quality level on projects in order to achieve their goals and objectives by applying a statistical management approach. Not many methods are available to create an appropriate road map for selecting designers based on statistical analysis. Therefore, the research attempts to rectify problems at the pre-design stage of projects by activating statistical management. The study analyses two statistical methods, Six Sigma methodology and the expected value scenario, and how they may be applied in the construction industry. The research aims to establish a new framework for the pre-design stage using statistical management in order to improve project performance. It uses a scientific path starting with theoretical and analytical studies as the materials and methods. An applied study will present and measure Egypt Air Cafes brand at Assiut International Airport as a pilot case study. It is concluded that the statistical management methodology is highly effective in conducting rational analyses. This methodology is one of the tools of proactive management.