

عنوان مقاله:

Using a Regression Model for Investigating E-commerce Impacts on Cost, Quality and Time Factors of Construction Projects in Iran

محل انتشار:

اولین کنفرانس بین المللی چالش ها و راهکارهای نوین در مهندسی صنایع و مدیریت و حسابداری (سال: 1399)

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خلاصه مقاله:

In this paper we consider e-commerce impacts on cost, quality and time factors of construction project in Iran using a regression model. This study is descriptive in terms of nature and content and is practical in terms of goal. The statistical population of this study consists of all well-known Iranian construction companies. The number of these companies is 3754, and the sample size is 348 using the Cochran s formula. Sampling is performed by multi-stage clustering. A researcher-made questionnaire is used to collect information about the hypothesis test. The questionnaire consists of 28 items based on a five-point Likert scale. The validity of the content of the questionnaire has been investigated using the opinions of professors of this field and to test reliability, Cronbach s alpha method is used. To study the normal distribution of variables, Kolmogorov-Smirnov test is used and also to test the research hypotheses, one sample t-test and regression analysis are used. The results show that although e-commerce has a significant effect on all three factors of cost, quality and time in Iran construction projects, but its greatest impact is on the cost factor and its least impact on quality factor.

کلمات کلیدی:

E-commerce, Regression model, Time, Cost, Quality, Construction projects

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