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Learning from the Past: Improving Estimation of Future Construction Projects

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Abstract

To improve decision making in construction companies, we propose to develop a computational approach and a corresponding prototype system that will organize the projects' history in accordance with the expectations of estimators and modify previous historical databases by exploring existing construction data classification approaches. This approach is likely to enable better learning from the past projects by helping the estimators perceive the past projects factually and project this learning in their future estimates.