

Title

Case-Based Reasoning and Text Mining for Green Building Decision Making

Abstract

Great benefits are obtained by sharing previous experiences in meeting the needs of the standard evaluation systems for green building around the world. To date, there are no existing methods available that enable this to take place in a systematic way. This paper addresses the issue by developing a green building experience-mining (GBEM) model that enables previous green building solutions to be adapted for a new situation. A database of 10 cases is used to demonstrate and evaluate the effectiveness of the GBEM model. The results confirm the model's potential to facilitate users in the selection of the solutions when addressing new green building challenges.

Keywords

Case-based reasoning, Green building Text mining

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