
A cognitive business intelligence system for surgery scheduling

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Key words

Business Intelligence, Intuition, Scheduling, Decision making

Abstract

In this paper, we propose a Cognitive Business Intelligence (CBI) Framework that is based on human cognition and closely resembles natural decision-making. The framework was then implemented using computer programs. Later, using this implementation, we have applied the proposed CBI framework to a managerial decision scenario of cardiac surgery scheduling in a high-volume hospital to demonstrate its working and its merits vis-à-vis the traditional scheduling method used there. Our approach resulted in consistently better utilization of the surgeons' time and operation theatre time.
