Abstract

The purpose of this work is to build a Business Intelligence System (BIS) for the real estate industry. The BIS be useful for risk managers interested in real estate investment. The paper
identifies the main risk management related decisions that real estate professionals made on a
daily basis. Risk management decision models are selected from an extensive literature review.
These models are incorporated into an information system. A set of reports that will support risk
management real estate decisions are designed and implemented in a prototype built to
demonstrate the potential of this technology in the real estate industry. The database of the
information system is populated with a sample of data collected from the real estate market of
the state of California USA and results were generated to illustrate how reports can be used to
support real estate risk management decisions.

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Index Terms

Computer Science
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Key words

Financial Information Systems Data mining Real Estate

Business Intelligence Finance

Portfolio Management Risk Management