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## BUSINESS INTELLIGENCE MODEL USING DATA MINING TECHNIQUES FOR CODE OPTIMIZATION IN LEGACY SYSTEMS

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## Abstract

Data mining is the process of building predictive or descriptive models based on a large data set. IT managers in any large organization would like to optimize their existing legacy software to cater to the growing demand of IT infrastructure. A key reason for using legacy software is the ease of use and availability of known bug reports A common industry standard is to optimize the existing proven software. The challenge in the above method is the identification of modules that require optimization. The software metrics that can be generated on legacy software and data mining methodologies for classification of modules that require optimization are investigated.

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Keywords : Legacy software, Data mining, Random tree, Bayesian Logistic Regression, CART.