

Research on applying Machine Learning solutions in medical insurance claim assessment

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Abstract: In practice, the appraisal of health insurance claims faces many challenges due to the complexity and large volume of information. This study focuses on researching and implementing a Machine Learning-based solution to automate the appraisal process. The goal is to build an accurate classification system, improve efficiency, and reduce errors in the insurance claim processing workflow. The methodology includes evaluating modern machine learning models combined with empirical analysis on real-world data. The expected results will contribute significantly to advancing information technology applications in the healthcare sector, while reducing the labor burden on insurance staff.

Keywords: Machine Learning, Health Insurance, Document Classification, Experimental Research, Information Technology