

Building and evaluating a machine learning model to predict cardiovascular disease risk

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Abstract: In medical practice, early detection of cardiovascular disease risk is essential for effective preventive measures. This study focuses on building and evaluating a machine learning model based on patient data, with the primary goal of creating an effective diagnostic support tool. The research process includes data collection, processing, and analysis, applying advanced machine learning algorithms to develop the model. The experimental methods used allow for evaluating the model's accuracy based on predefined criteria. The expected outcome of this study is an intelligent system that can contribute to improving the quality of community healthcare.

Keywords: machine learning model, cardiovascular disease, early diagnosis, medical data, support system