

Research on Random Forest model, application in building a disease diagnosis system based on patient symptom descriptions and signs.

Tran Hoang Long

Abstract: This topic aims to determine the necessity of using the Random Forest model to build an automatic diagnostic system based on the description of patients' symptoms and signs. Through theoretical research combined with experimentation, the goal is to develop a system capable of providing effective medical support in a modern healthcare environment. Expected results include a significant improvement in accuracy and response time compared to traditional methods, contributing to enhancing the quality of medical services.

Keywords: Random Forest, disease diagnosis, automated system, symptom description, accuracy