

Explore Decision Tree and KNN models for classifying obesity levels.

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Abstract: In current medical practice, determining the level of obesity is an important issue for providing effective treatment measures. This study aims to explore and compare the Decision Tree model and K-Nearest Neighbors (KNN) for classifying obesity levels based on patient personal information data. The research methodology includes synthesizing and analyzing theory, as well as implementing applications with real datasets. Expected results will contribute to improving diagnostic and treatment performance by increasing accuracy in classifying obesity levels.

Keywords: Decision tree, KNN, Obesity classification, Personal data, Medical treatment