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# Classification of Various Thyroid Ailments Using Data Mining Techniques

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Abstract: Data mining is a technique in which we are generating the required useful information by recognizing the pattern present in the large data. There are many techniques to do this like Clustering, Association, Machine Learning, Data Cleaning, Data Visualizing, Classification, Neural Networks, Prediction, and Data Warehousing in which we are using Classification technique to achieve the required result. In Classification we are classifying the predefined dataset. It is mainly used in the health care sector. In Classification technique we are using Logistic regression, K-Nearest Neighbors [KNN], Random forest, Naive Bayes, to classify the Various Thyroid Ailments.

**Keywords:** Logistic regression [LR], Random forest [RF], Naïve Bayes[NB], K-Nearest Neighbor[KNN], Machine Learning

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