Parkinson Disease Prediction Using Machine Learning

Aim of Project:

The aim of this project is to predict the presence of Parkinson's disease using Machine learning algorithms and data analysis. The end product of this project is an application that creates an interface for a user to enter/input a compatible Parkinson disease dataset and predict as to what patients in that data set are suffering from Parkinson's disease.

Parkinson Disease:

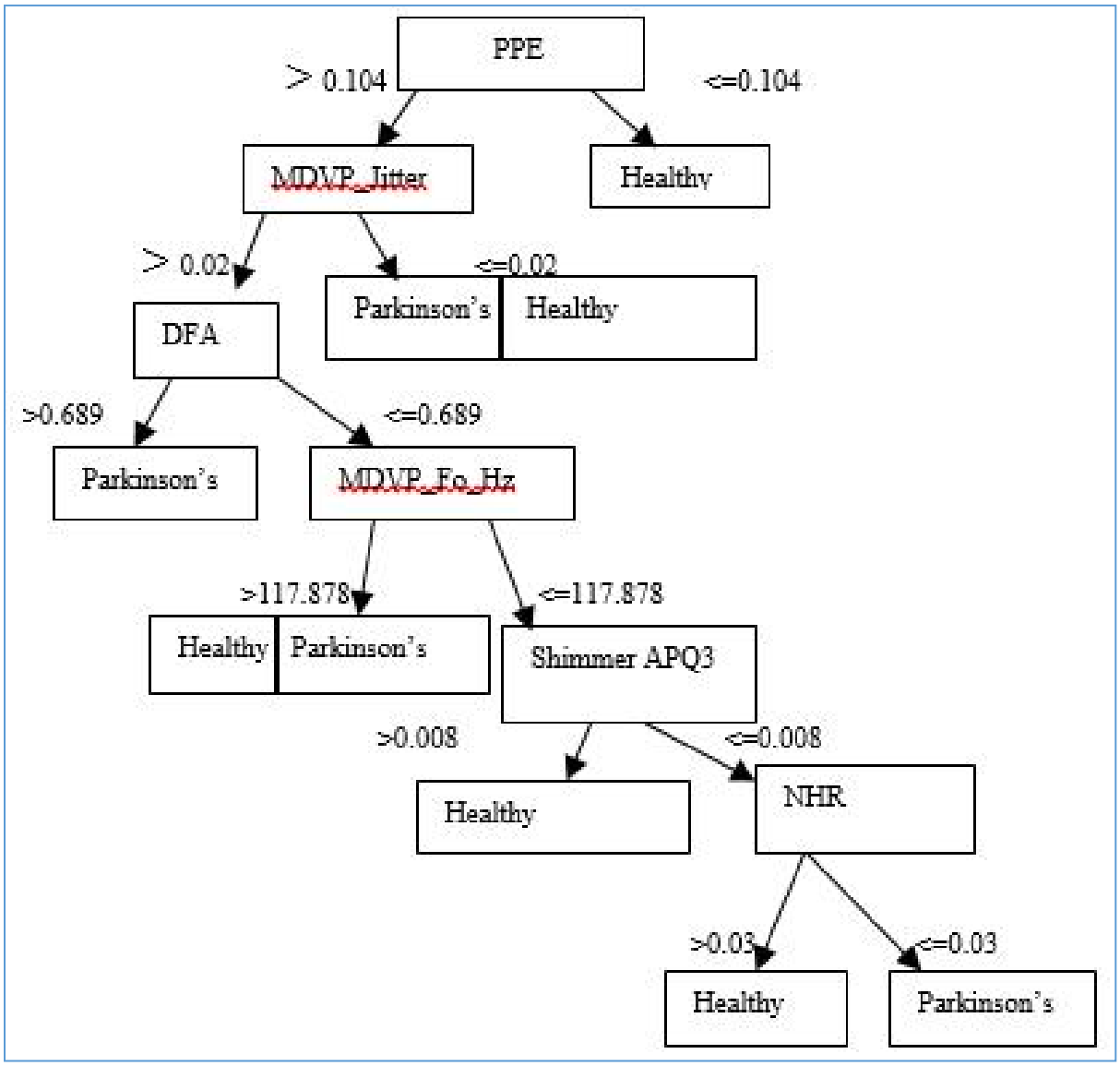
PD is a neurological disease which affects certain brain cells that help in controlling the movement and coordination of muscles in the body. Dopamine is a hormone and neurotransmitter, a chemical that is generated by brain cell, used to send signals to other brain cells to control the muscle activity.
PD causes degeneration of dopamine in the brain cell which is unable to control the movement and activity of muscles. It is a common disorder in senile persons [60years and above] which occurs in 1% of the population.

Dataset:

This dataset is composed of a range of biomedical voice measurements from 31 people, 23 with Parkinson's disease (PD). Each column in the table is a particular voice measure, and each row corresponds one of 195 voice recording from these individuals ("name" column).

The data is in ASCII CSV format. The rows of the CSV file contain an instance corresponding to one voice recording. There are around six recordings per patient; the name of the patient is identified in the first column.

Attribute Decision Tree Hierarchy:



Employee Management System in Java

Aim of Project:

The aim of this project is to create an interface for maintaining the records of employees in an organization. The end product of this project is an application that creates an interface for admin and employees both but each one has different layouts based on their functions. Admin have rights to add, update, delete an employee, check leave status and feedback of employees.

Employee Management System:

An Employee Management System is a platform wherein all the work-related as well as important professional and personal details of all employees are stored and managed and can be displayed and modified in a safe and secure way. The admins of the employees can manage admin activities in an easier and quicker way.

Different tables in Database:

admindetails
employeedetails
empleave
empfeedback
a_to_e_feedback
payroll
projectdetails