Hope Artificial Intelligence

Classification Assignment 

Problem Statement or Requirement:

A requirement from the Hospital, Management asked us to create a predictive model which will predict the Chronic Kidney Disease (CKD) based on the several parameters. The Client has provided the dataset of the same.

1. Identify your problem statement

**With the given parameters need to predict whether the patient may have chronic kidney disease or not**

1. Tell basic info about the dataset (Total number of rows, columns)

**399 rows × 25 columns**

1. Mention the pre-processing method if you’re doing any (like converting string to number – nominal data)

**Converting categorical data into numerical data**

1. Develop a good model with good evaluation metric. You can use any machine learning algorithm; you can create many models. Finally, you have to come up with final model.

**Based on the below model’s accuracy , these both are considered as final models**

**Random Forest [0.9997608799617408]**

**SVM [0.99]**

1. All the research values of each algorithm should be documented. (You can make tabulation or screenshot of the results.)
2. Mention your final model, justify why u have chosen the same.

Note: Mentioned points are necessary, kindly mail your document as well as .ipynb (code file) with respective name.



 Sub file name also should be properly named for Example

(SVM\_Ramisha\_Assi-5.ipynb)

Communication is important (How you are representing the document.)

Kindly uploaded in the Github and Share it with us

www.hopelearning.net Hope AI admin@hopelearning.net