Assignment- Classification

Chronic Kidney Disease prediction

1. Input and output values are well defined. So Supervised learning.
2. The target of the project is categorical values.

So, it falls under Classification

1. The dataset has 399 rows and 25 columns.
2. We used preprocessing method to convert numeric data’s to Strings.
3. We tried the below classification algorithms
4. Logistic Regression:

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1. SVMC

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3.Decision\_TreeA screenshot of a computer

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1. KNN

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1. GausianNB

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1. BernoulliNB

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1. Multinomial

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1. ComplementNB

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1. Categorical NB

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11.Ada boosting:

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12.LG BoostingA screenshot of a computer program

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13.XG Boosting:

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The Final model will be “ Logistic Regression” since the Accuracy and F1-score are high more than other algorithms.

So we will save and deploy the “ Logistic Regression”