|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Roll NO | Play Time | Study Time | IQ level out of 100 | Mark |
| 19ITL123 | 4 hrs | 5 hrs | 60 | 78 |
| 19ITL124 | 3 hrs | 3 hrs | 80 | 90 |
| 19ITL125 | 1 hrs | 7 hrs | 70 | 72 |
| 19ITL126 | 5 hrs | 5 hrs | 83 | 88 |
| 19ITL127 | 4 hrs | 3 hrs | 90 | 95 |
| 19ITL128 | 3 hrs | 6 hrs | 82 | 91 |

**Sample test data of the student mark list:**

**Features of the dataset:**

1.Roll NO

2. Play Time

3. Study Time

4.IQ level

5.Mark

**Label:** The output variable that the model aims to predict

Simple termed as target is **Mark** in the dataset.

**Outlier:** Maximum of the predict value (target value) is 95 is the highest in this dataset.

**Training Dataset:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 19ITL103 | 4 hrs | 8 hrs | 94 | **Find=?** |

**Using this ML algorithm to achieve the target:**

Linear Regression K-means Clustering

Decision Trees k-Nearest Neighbors (k-NN)

Random Forest Naive Bayes Classifier

Gradient Boosting Support Vector Machine (SVM)