

Explanation – Part 5

- **MapReduce-KNN**

This algorithm is a k-Nearest Neighbor classifier that was developed to work with MapReduce framework.

In this algorithm we are applying data input about cars models and buyer characteristics, that the algorithm will suggest the car model based in the classified buyer.

In the input data we have 4 different kinds of car models and we are classifying per group of these, considering the characteristics of the buyer.

We are using 3 different arguments:

1. Argument: The input file data: Input.csv.
2. Argument: The output directory in HDFS.
3. Argument: Knn_test.txt - The parameter file with the following format:
 - K – Age – Income – Status – Gender – Children
 - We are using In mapper in the Mapper class.