

TABLE 3: SAMPLE OF THE CLASSIFICATION PERFORMED USING KNN

Value of K	Partition Percentage	Accuracy (in %)
3	50% of records as training record and 50% as test records	51.1363
5		86.3636
7		72.7273
9		71.5909
3	75% of records as training record and 25% as test records	51.1111
5		51.1111
7		51.1111
9		51.1111
3	25% of records as training records and 75% as test records	40.6015
5		39.8496
7		33.8346
9		11.2782

CONCLUSION

Data mining is one of potential technology in the current world which is generating lot of data ,more or less upon every single activity ,the data is getting generated and being collected. Implementation work has helped to get the understanding of the potential of Data mining and to come up with an application that would classify the given voice as either Cat or Dog. Further experimental results shows that tweaking between the values selection for K in KNN algorithm also influences the accuracy of the classification. Further the quality and size of the training set also influences the accuracy of the classification.

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