**Summary**

From the analysis of the training set of mushroom data few important conclusions are:

* Odor is the most important attribute in classification of mushrooms as edible or poisonous.
* A mushroom with foul odor is very likely to be poisonous, irrespective of other characteristics.
* Generally mushrooms without any odor are likely to be edible but there exist a few species where the case is opposite.
* Mushrooms with a buff gill colour are likely to be poisonous.
* There was no mushroom in record which had a universal veil type and hence, that attribute need not be recorded next time a data is mined.

RIPPER algorithm has been used effectively, keeping overfitting in mind, for the classification of the given test data and is apt for this data set.