**PART 3 OBSERVATIONS**

**Classification trees model**

1. Account Year and kWh parameter were ignored in building the tree
2. tree model which is not pruined was good in predicitng the accuracy of values of "Above\_Normal" in KWH\_Class.
3. the pruined tree model was good in predicting the values of "Optimal" in KWH\_Class
4. But the overall error rate hasn't improved by pruining the tree
5. The error rate were 11.02 when the tree is not pruined and 11.48 when the tree is pruined
6. The residual mean deviance were 0.52 when the tree is not pruined and 0.5667 when the tree is pruined

Going by the above statistics we have decided that our tree model which we have built by ignoring Account, Year and kWh parameters for predicting the KWH\_Class is good.