1. Text

   Description automatically generated with low confidence
2. The same as 1 seeing as it is already partitioned

* Pruning counters overfitting
* Lower variance with smaller tree
* Stopping growth of tree as soon as RSS does not decrease inhibits tree from overcoming local optima.
* Better to grow very large tree and then reduce size by selecting the best subtree
* Can’t just go through all possible subtrees and therefore cost complexity pruning is done
  + Weakest link pruning
  + Branches get pruned in nested fashion
* Bagging is an ensemble method

1. Bagging section 8.2.1 p316