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Assignment One

**Data Mining Algorithms Readthru**

1. Decision Trees
2. Classification
3. A decision tree allows you to create a structured approach to grouping instances (such as Root Nodes, Interior Nodes and Leaf Nodes) and enables a probability to be calculated to determine the probability of membership within the given class.
4. Potential applications of this algorithms include:
   1. Estimating the probability of customer defections
   2. Estimating the likelihood of debt write-offs given various characteristics (e.g. income, debt size, location, etc)
   3. Determining the probability of marriage rates given various behavior indicators