**Greedy Decision Tree Algorithm Basics**

Step1: Start with an empty tree – having the root node that has all the data



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Step2: pick a feature and split the data on it



Step3: Visualize the histogram of partitioned data

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Step4: If there is a node with one class, then there is no point to split the data on that node (example: the excellent node)

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Step5: Go to step 2 and continue splitting the nodes based on other features

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Done!

Next:

Problems that needs to be solved:



**Feature Split Learning = Decision Stump Learning**