

Entropy & Information Gain

- How exactly do we select the “best” feature for partitioning?
- Conceptually, at a very high level, we use “Entropy”, which measures the amount of uncertainty for a given dataset
- Partitioning on a good feature should cause the amount of uncertainty to decrease
- “Information Gain” measures this decrease in uncertainty for a given feature
- So the “best” feature creates the largest Information Gain

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