



CIS 678 Machine Learning

ML Models: Decision Tree



Decision Tree

- Another non-parametric model
 - Recall k-NN, its an in memory model; right?



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 - Recall k-NN, its an in memory model; right?
- We have Decision Tree, a second example
 - Those are with CS background are already aware of BST
 - Whiteboarding



Decision Tree

- Let's start with the Classification Task
- Whiteboarding

nb of legs	weight (lb)	animal
4	2.1	Bunny
4	7	Cat
4	1.7	Bunny
4	9	Cat
4	2.75	Bunny



Decision Tree

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nb of legs	weight (lb)	animal
4	2.1	Bunny
4	7	Cat
4	1.7	Bunny
4	9	Cat
4	2.75	Bunny
2	2.5	Chicken
2	3	Chicken



Decision Tree

Whiteboarding!