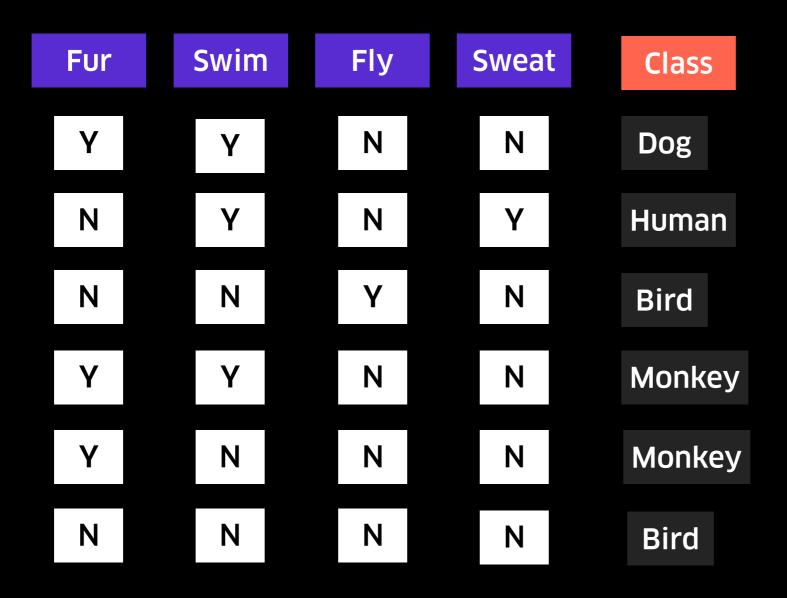


Bayes

Naive Bayes



P(Dog |

) = 0.2 P(**Monkey** |

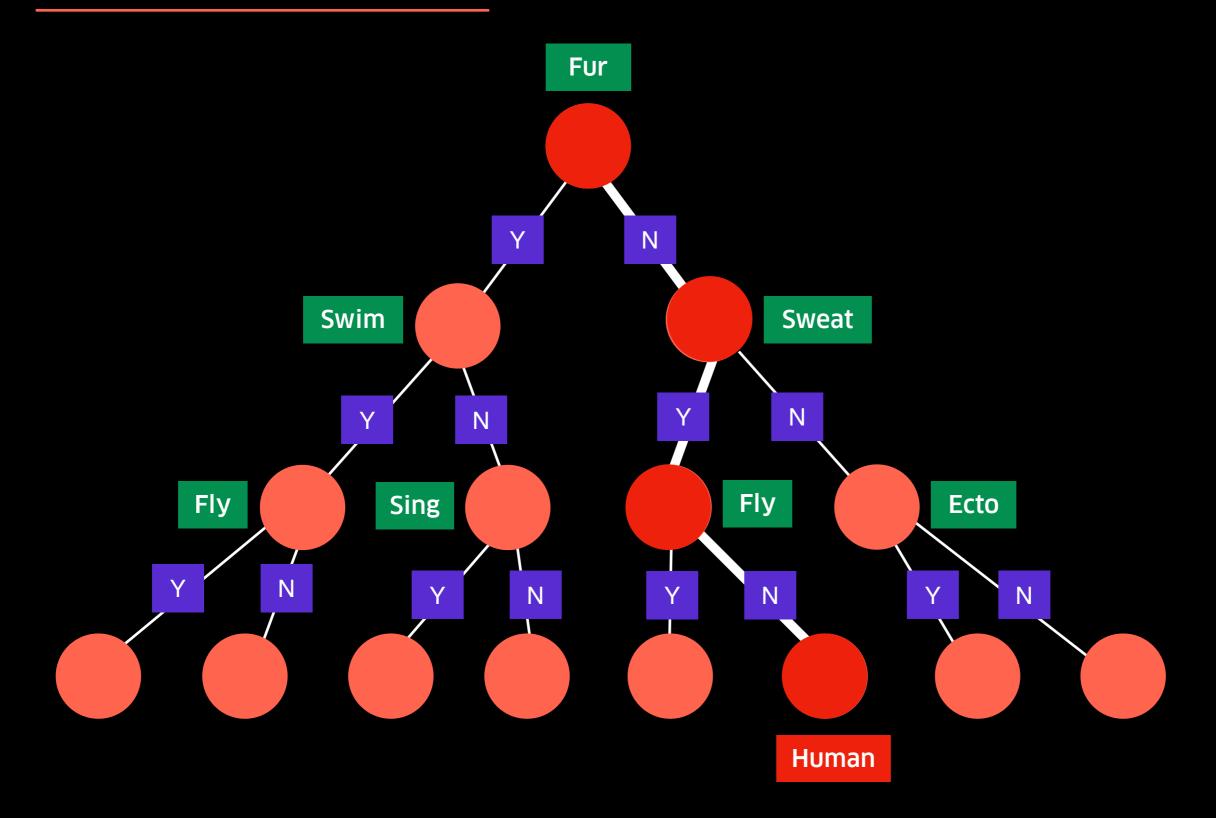
) = 0.7

P(Bird|

) = 0.05P(**Human** |

Ν

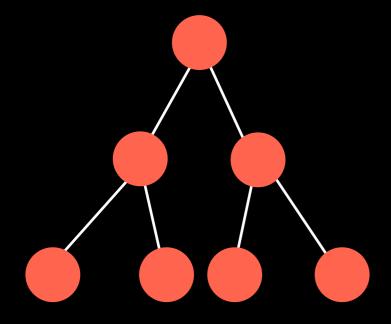
) = 0.98

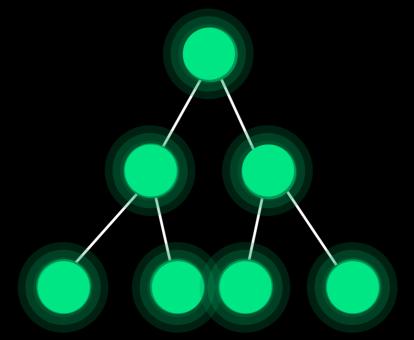


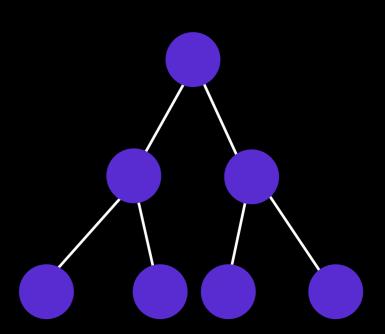
Decision Tree 1

Decision Tree 2

Decision Tree 3







Model Comparison

Accu	Accuracy		Mean Sq Loss		
Beer	Juice	Beer	Juice		
0.93	1.00	0.11	0.01		
0.88	1.00	0.31	0.02		
0.84	1.00	0.42	0.13		
0.77	0.99		-		
0.73	0.99	0.67	0.05		
0.66	0.98				
	0.93 0.88 0.84	Beer Juice 0.93 1.00 0.88 1.00 0.84 1.00 0.77 0.99 0.73 0.99	Beer Juice Beer 0.93 1.00 0.11 0.88 1.00 0.31 0.84 1.00 0.42 0.77 0.99 - 0.73 0.99 0.67		

Model Comparison

	Accu	racy	Mean S	Mean Sq Loss	
	Beer	Juice	Beer	Juice	
Stack LSTM	0.64	0.99	0.71	0.03	
Logistic Reg	0.62	0.99	0.83	0.06	
Naive Bayes	0.59	0.99	0.88	0.07	
MLP	0.55	0.94	0.82	0.31	
Linear Reg	0.50	0.50	0.28	0.10	
1 - CNN	0.25	0.24	0.63	0.42	
2 - CNN	0.25	0.17	3.48	_	