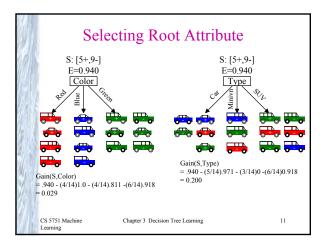
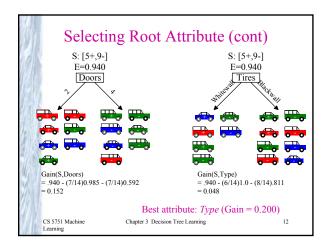
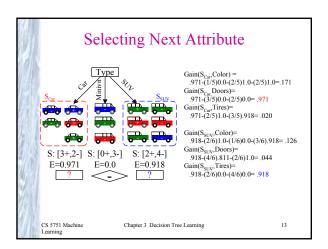
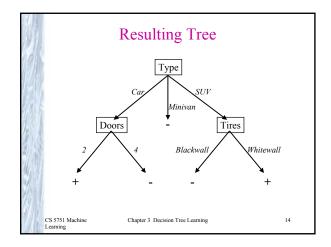


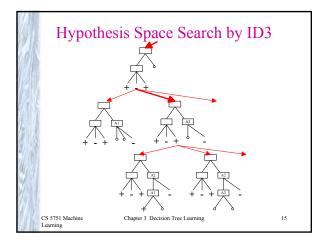
Color	Type	Doors	Tires	Class
Red	SUV	2	Whitewall	+
Blue	Minivan	4	Whitewall	
		4	Whitewall	
Green	Car	-		-
Red	Minivan	4	Blackwall	
Green	Car	2	Blackwall	+ 📻
Green	SUV	4	Blackwall	-
Blue	SUV	2	Blackwall	
Blue	Car	2	Whitewall	+ 🔂
Red	SUV	2	Blackwall	-
Blue	Car	4	Blackwall	- 🍋
Green	SUV	4	Whitewall	+
Red	Car	2	Blackwall	+ 🌦
Green	SUV	2	Blackwall	-
Green	Minivan	4	Whitewall	

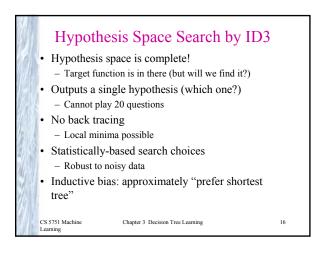


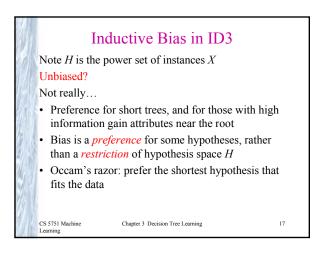


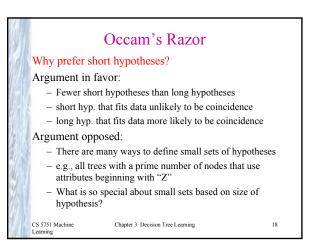


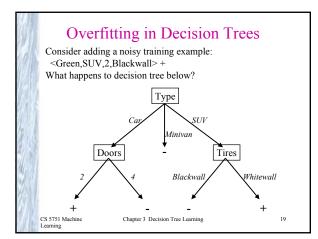












	Overfitting					
0.91	Consider error of hypothesis h over					
1,45	• training data : <i>error</i> <sub>train</sub> (h)					
	• entire distribution $D$ of data : $error_D(h)$					
7	Hypothesis $h \in H$ overfits the training data if there is					
18	an alternative hypothesis $h' \in H$ such that					
1/1	$error_{train}(h) < error_{train}(h')$					
41	and					
1	$error_{D}(h) > error_{D}(h')$					
	CS 5751 Machine Chapter 3 Decision Tree Learning 2 Learning	0				

