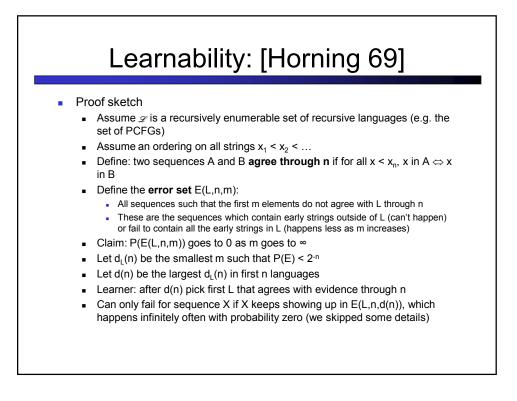
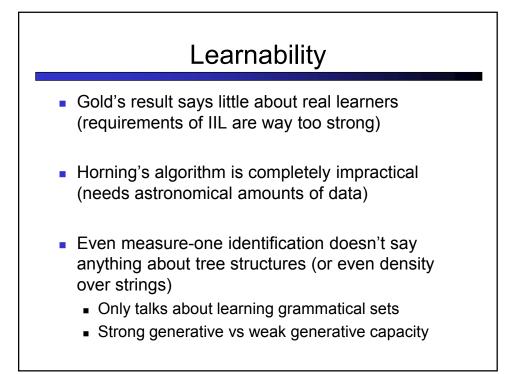
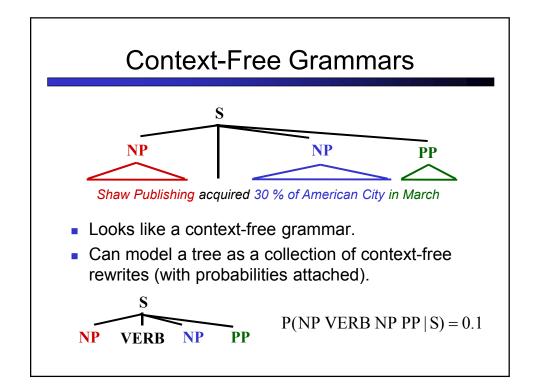


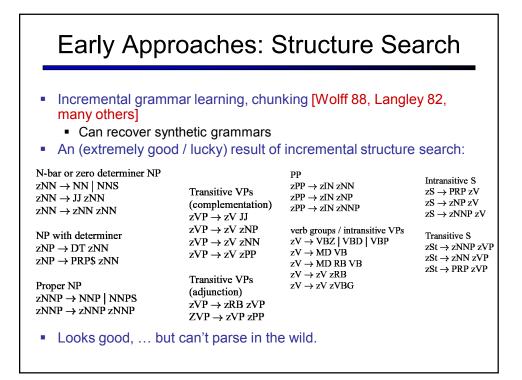
## Learnability: [Horning 69]

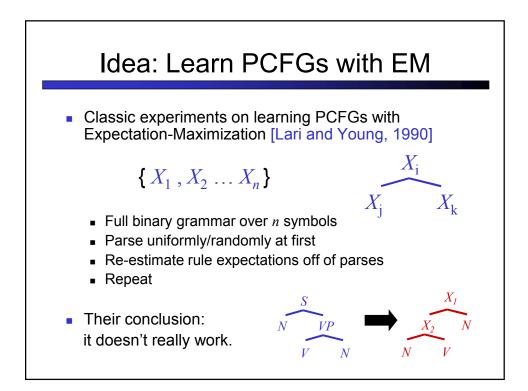
- Problem: IIL requires that H succeed on each presentation, even the weird ones
- Another criterion: measure one identification
  - Assume a distribution P<sub>L</sub>(x) for each L
  - Assume P<sub>L</sub>(x) puts non-zero mass on all and only x in L
  - Assume infinite presentation X drawn i.i.d. from P<sub>L</sub>(x)
  - H measure-one identifies L if probability of drawing an X from which H identifies L is 1
- Note: there can be misleading sequences, they just have to be (infinitely) unlikely

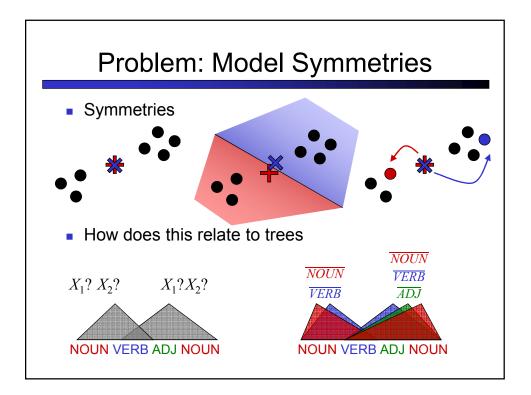


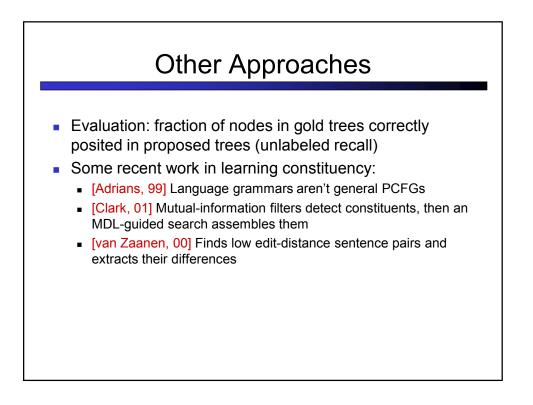


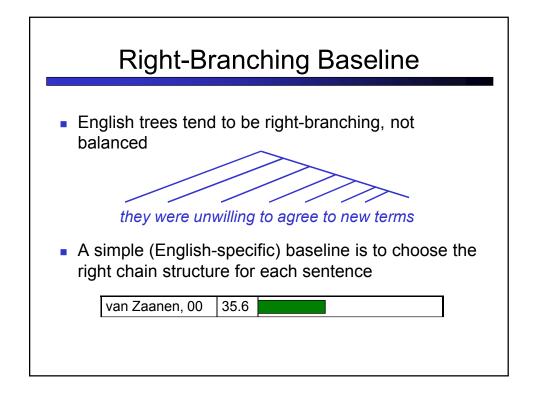


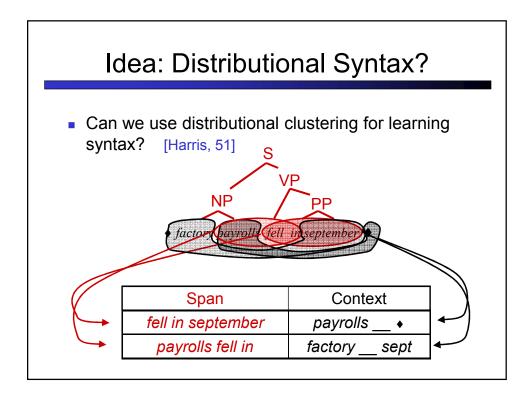


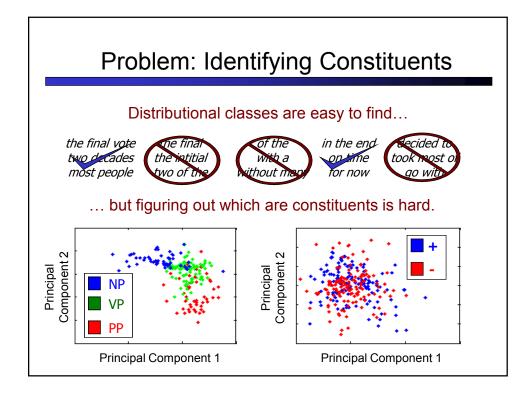


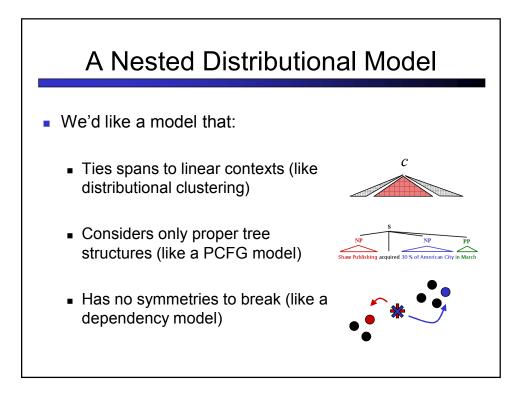


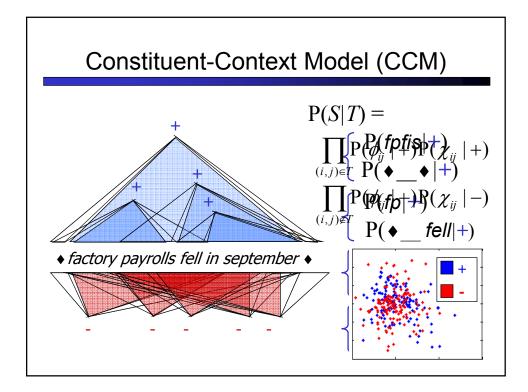


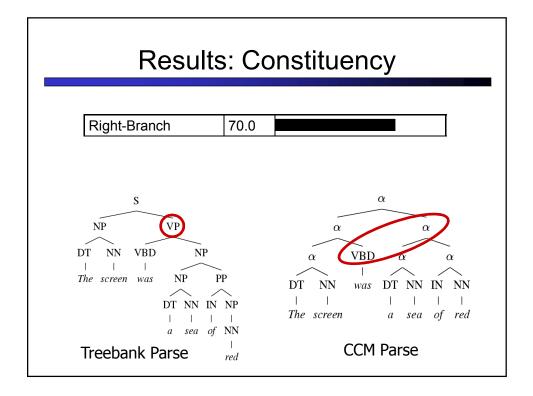


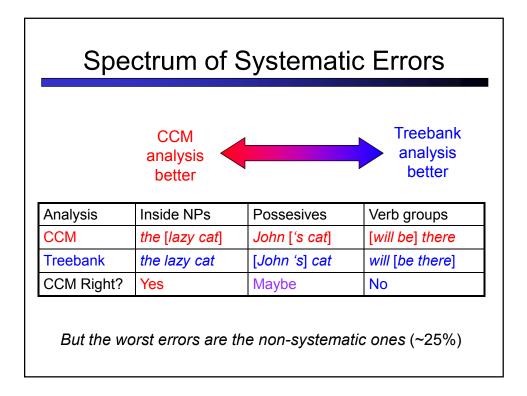


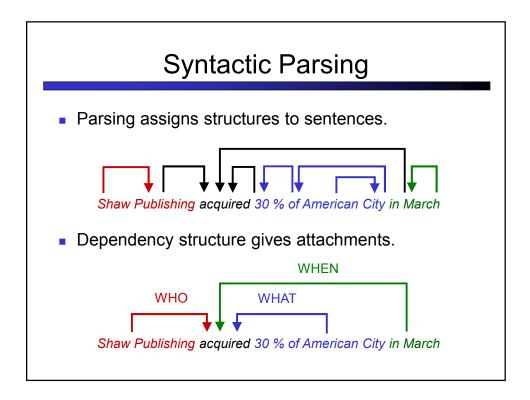


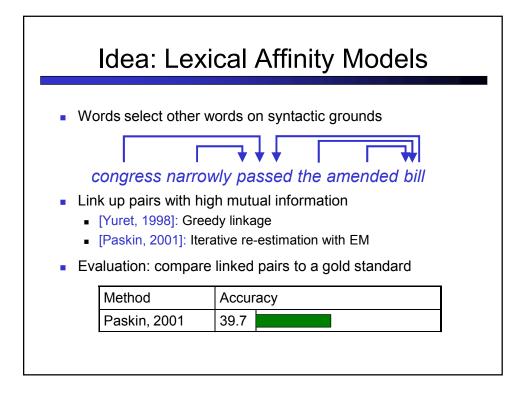


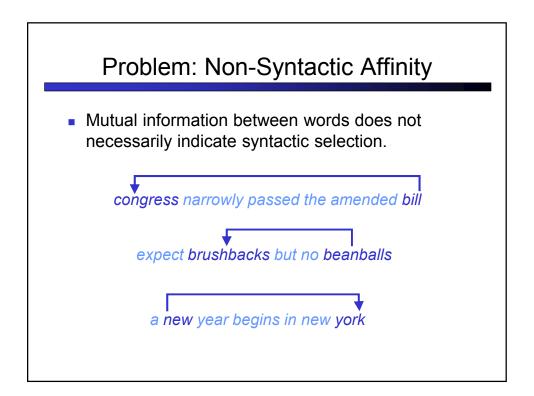


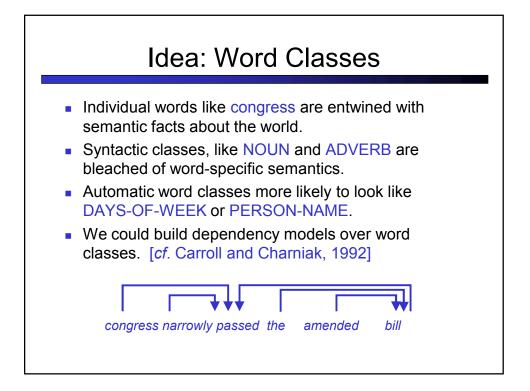


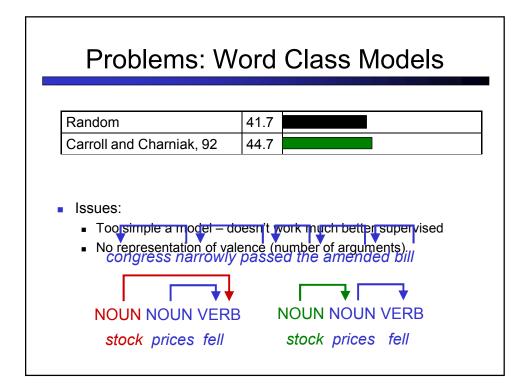


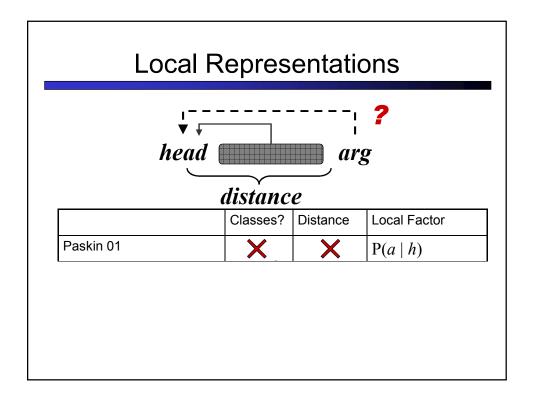


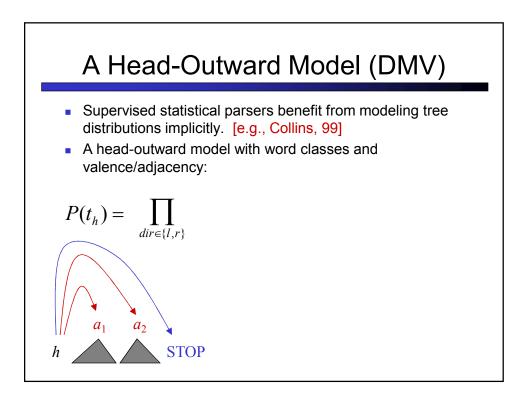


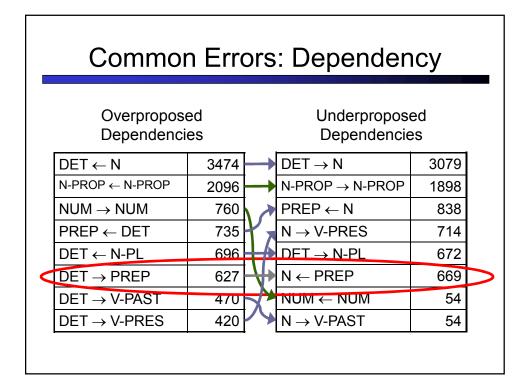


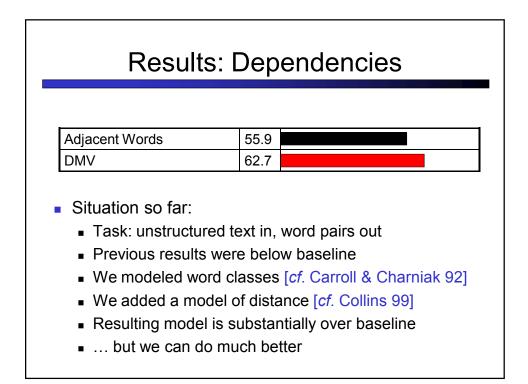












Results	Combined	Models
Dependency E	valuation (Undir.	Dep. Acc.)
Random	45.6	
DMV	62.7	
CCM + DMV	64.7	
Constituency	Evaluation (Unlab	eled Recall)
Random	39.4	
CCM	81.0	
CCM + DMV	88.0	
<ul> <li>Qualitative improv</li> </ul>	constituency recall ements ups gone, modifier pla	

How General is This?			
English (7422 contoness)	Constituency	Evaluation	
English (7422 sentences) Random Baseline	39.4		
CCM+DMV	88.0		
German (2175 sentences)			
Random Baseline	49.6		
CCM+DMV	89.7		
Chinese (2473 sentences)			
Random Baseline	35.5		
CCM+DMV	46.7		
DMV	54.2		
CCM+DMV	60.0		
	Dependen	cy Evaluatio	

