

Pieter Abbeel – UC Berkeley Adapted from Dan Klein

Announcements

Project 4 due Thursday

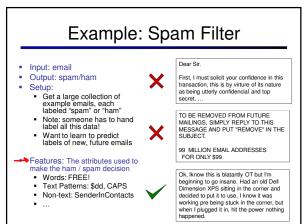
Contest up since last night.

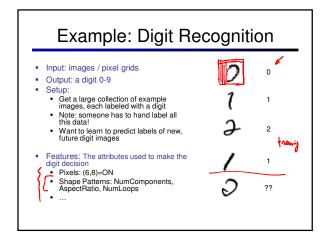
Nightly tournaments starting 11pm.

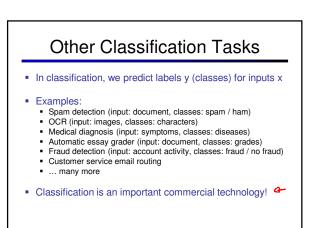


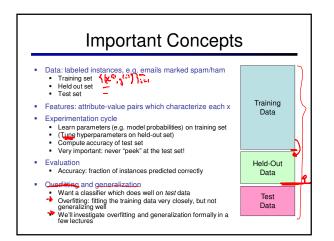
Machine Learning

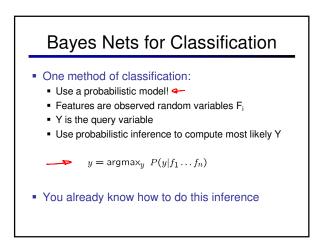
- Up until now: how to reason in a model and how to make optimal decisions
- Machine learning: how to acquire a model on the basis of data / experience
 - Learning parameters (e.g. probabilities)
 - Learning structure (e.g. BN graphs)
 - Learning hidden concepts (e.g. clustering)

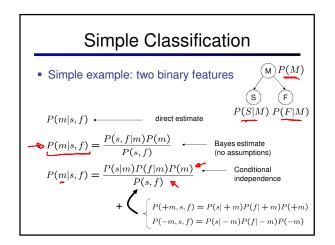


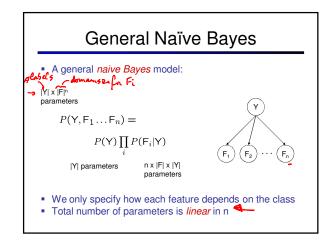


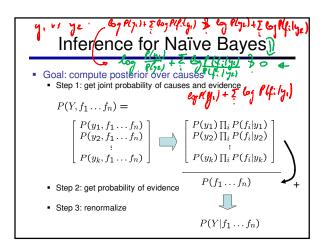


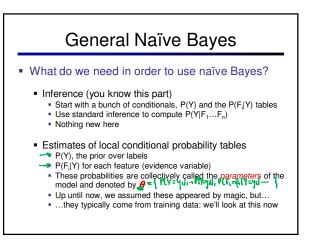


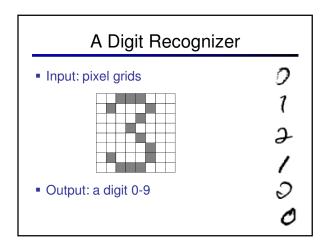


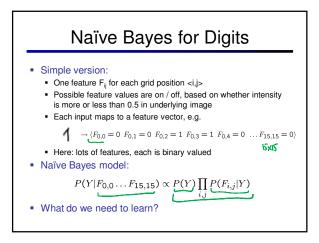


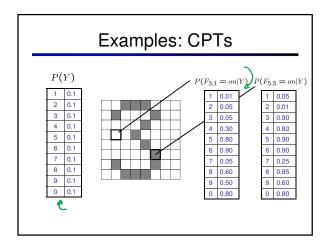


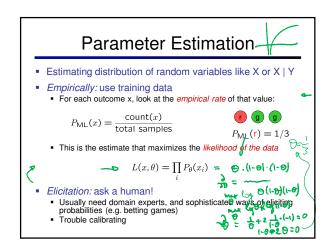


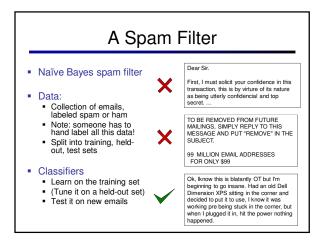


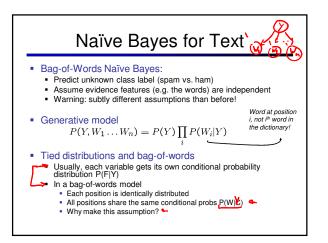


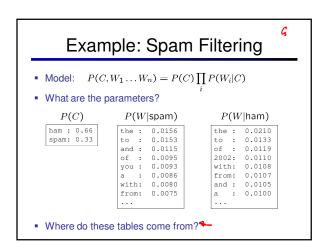












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			1	
Word	P(w spam)	P(w ham)	Tot Spam	Tot Ham
(prior)	0.33333	0.66666	-1.1	-0.4
			P(spam w) = 98.9	

