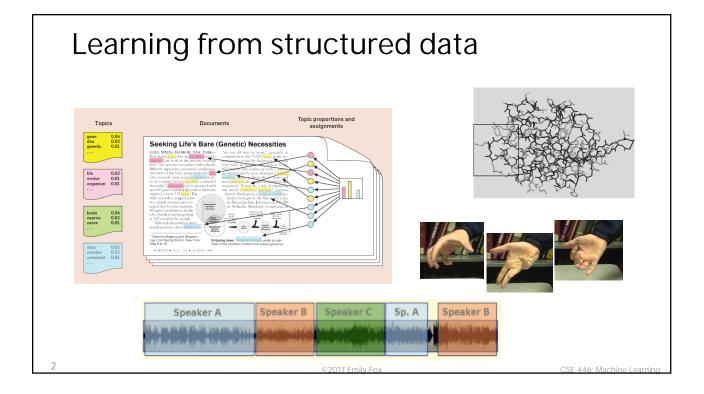
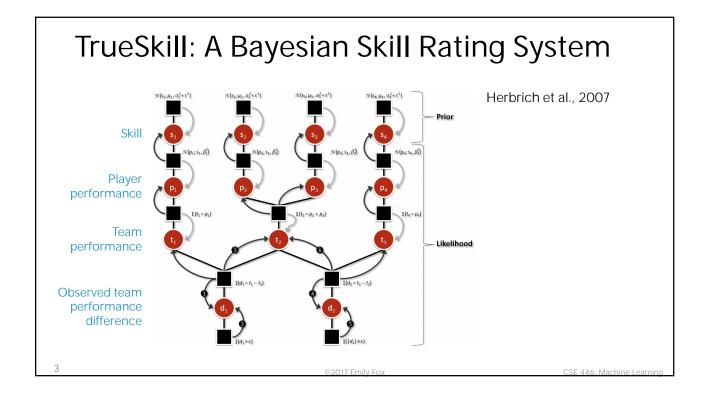
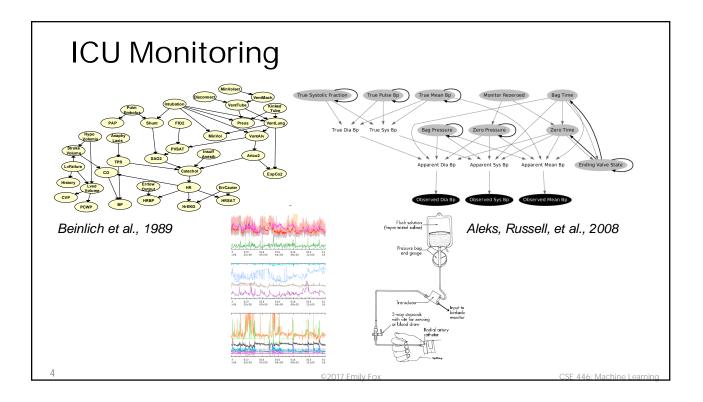
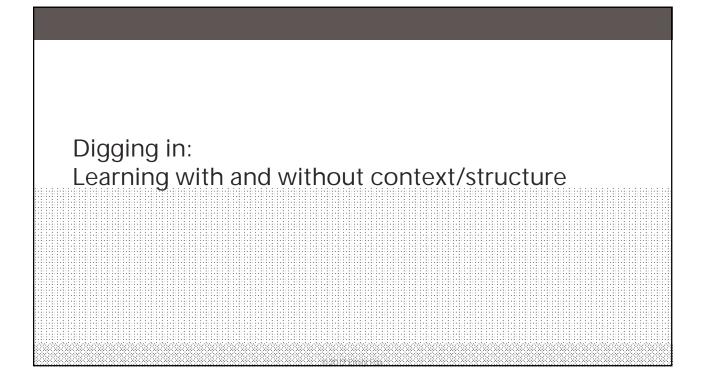
Bayesian Networks– Representation

CSE 446: Machine Learning Emily Fox University of Washington March 6, 2017

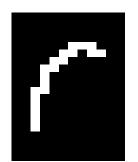


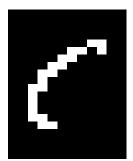




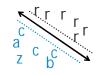


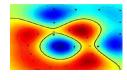
Without context: Handwriting recognition



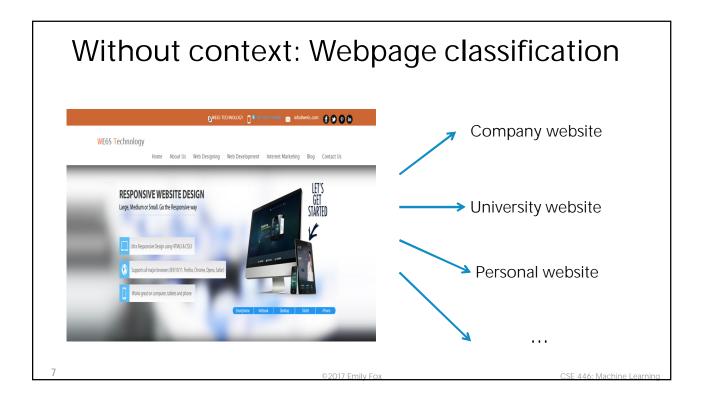


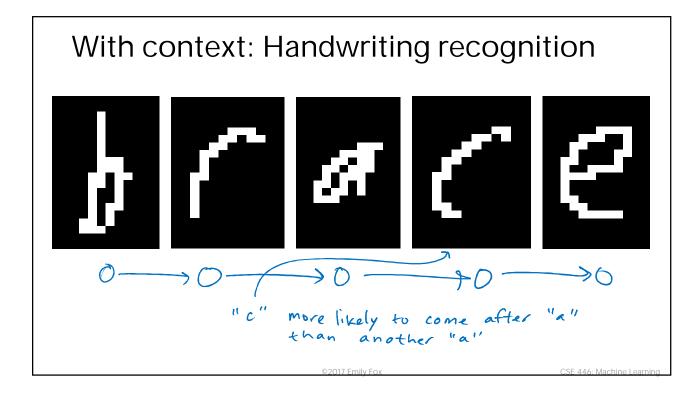
Character recognition, e.g., kernel SVMs

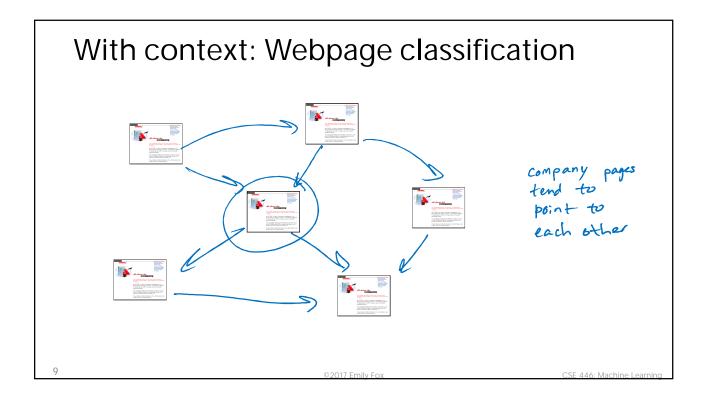


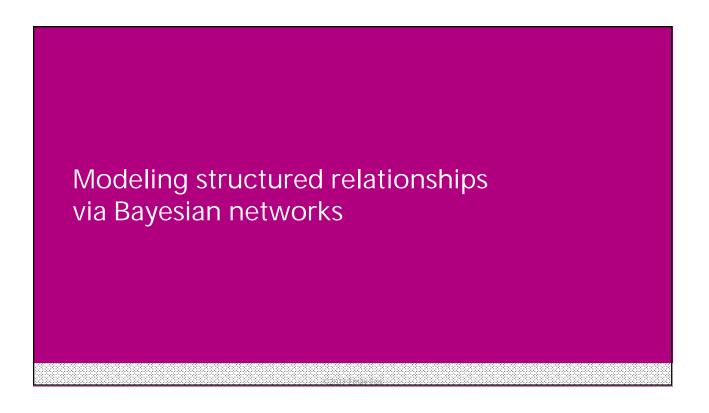


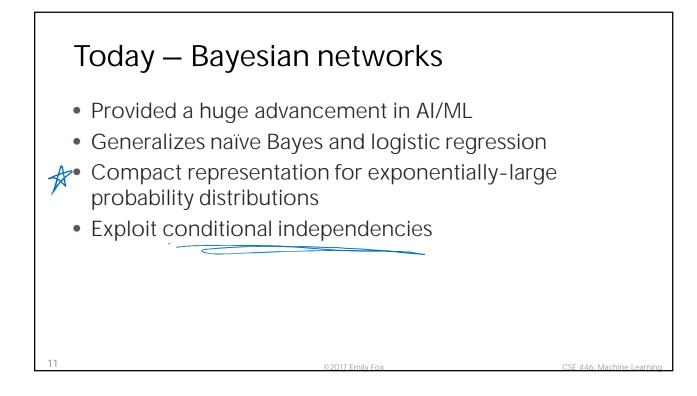
CSE 446: Machine Learning

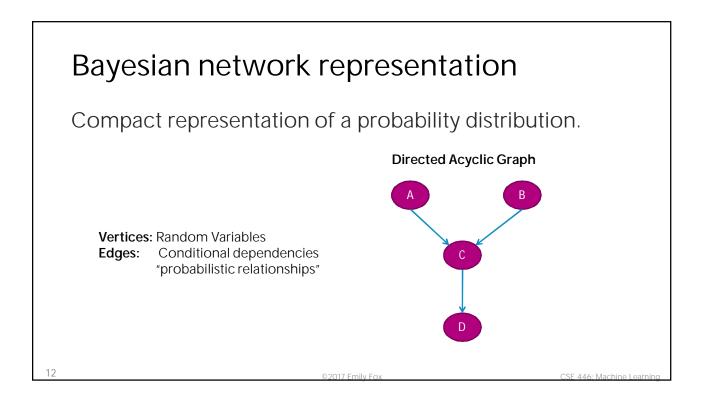


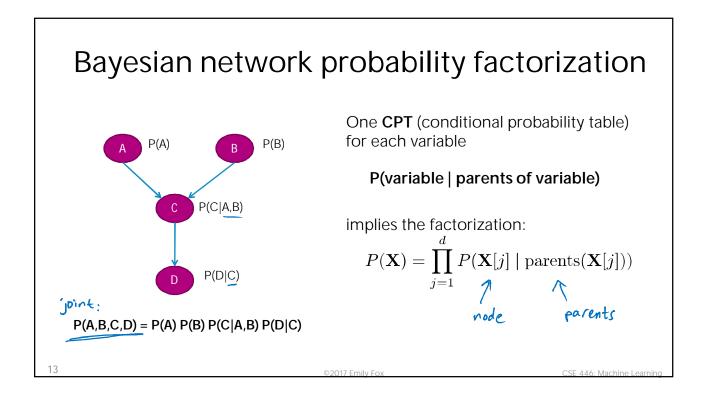


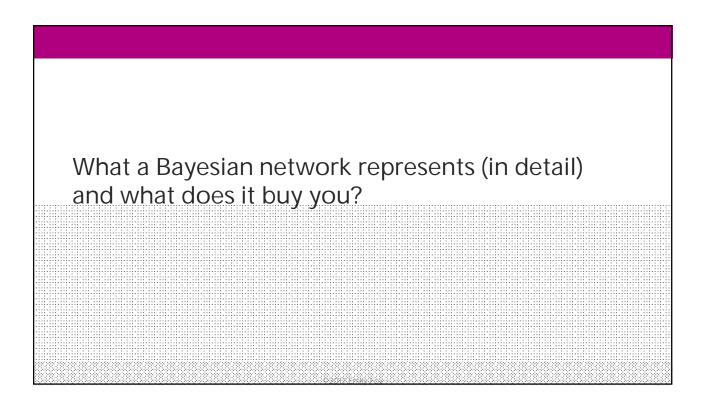


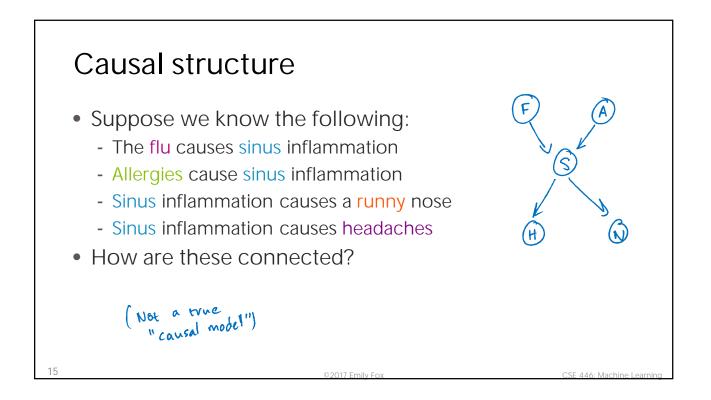


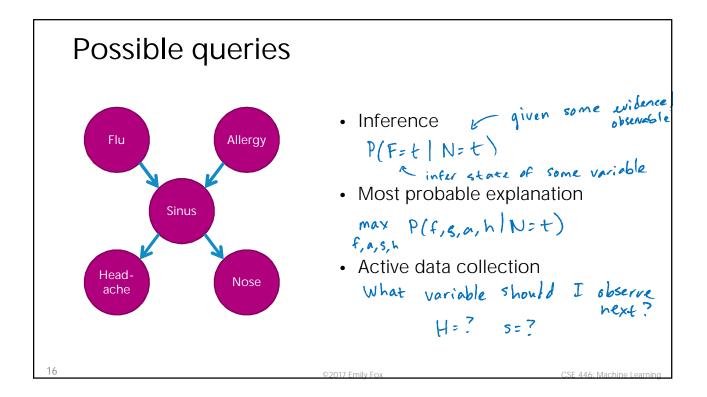


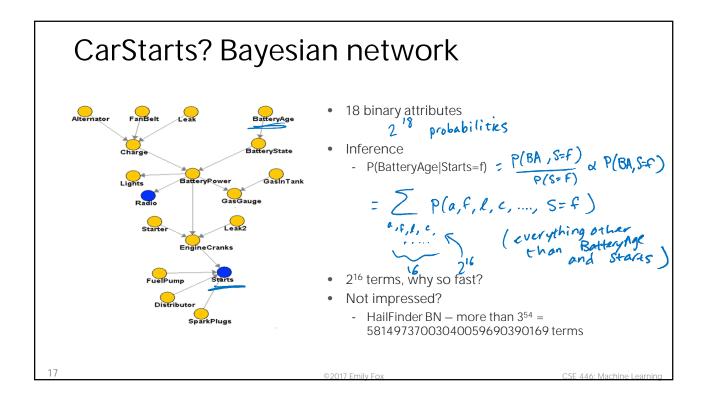


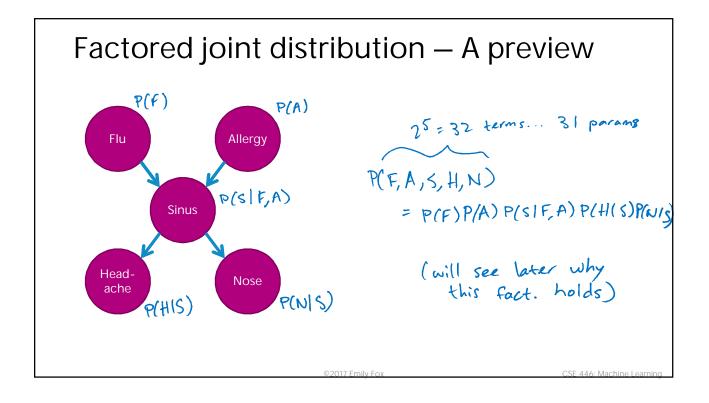


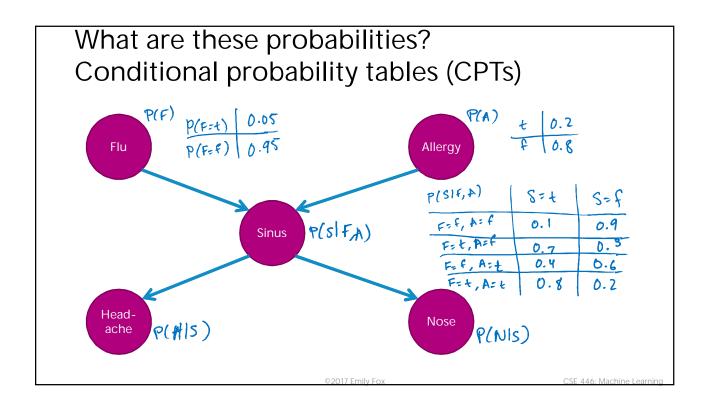


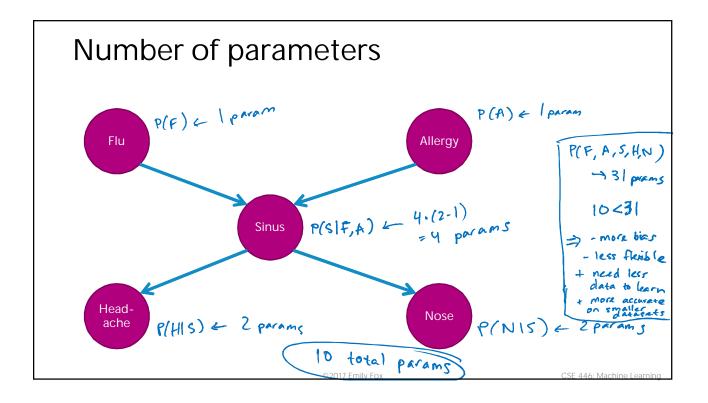


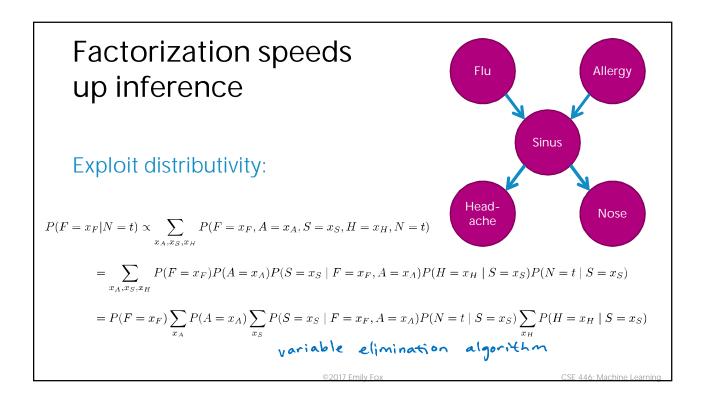


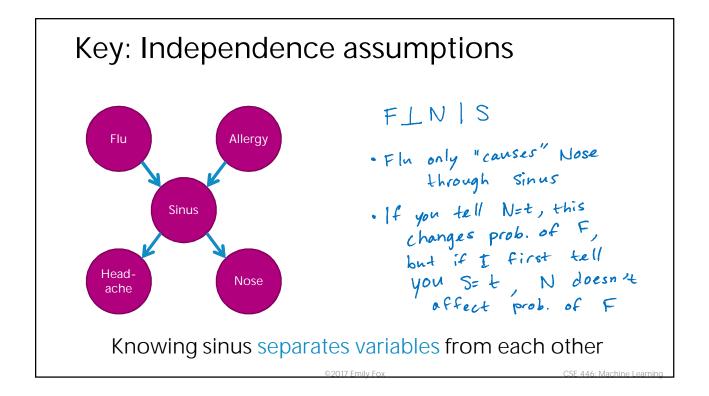


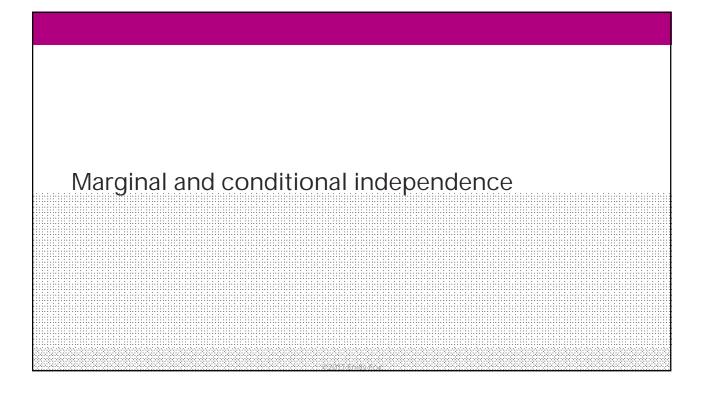


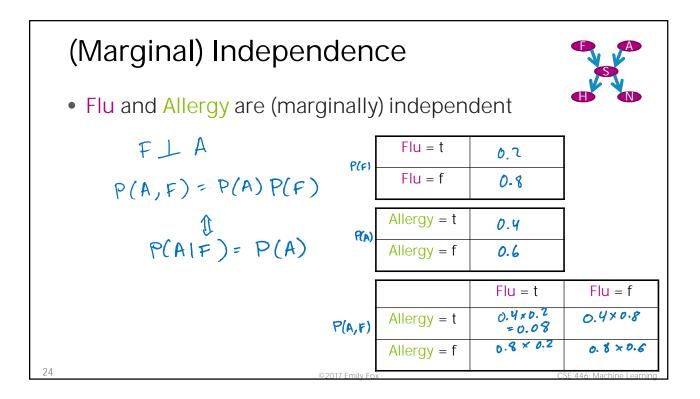


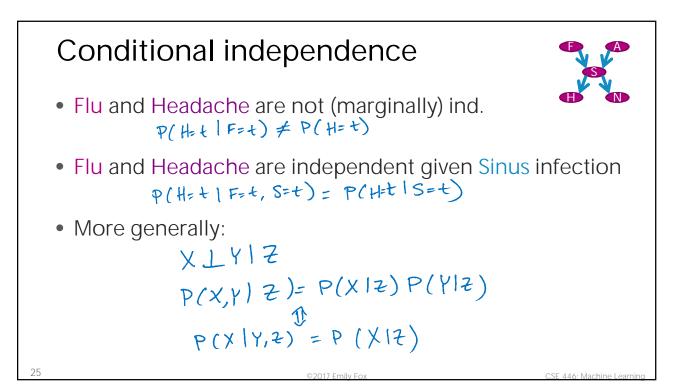


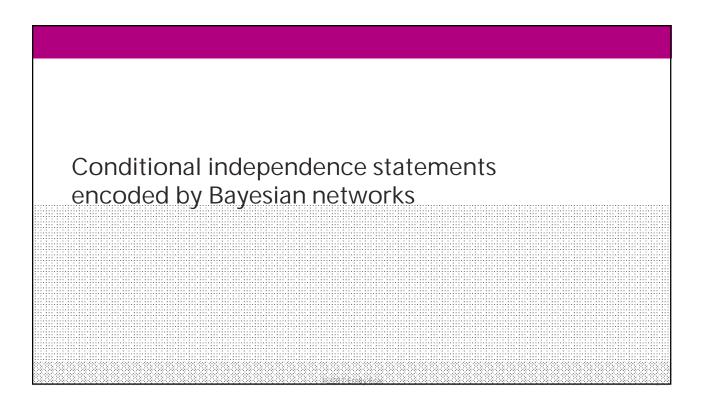


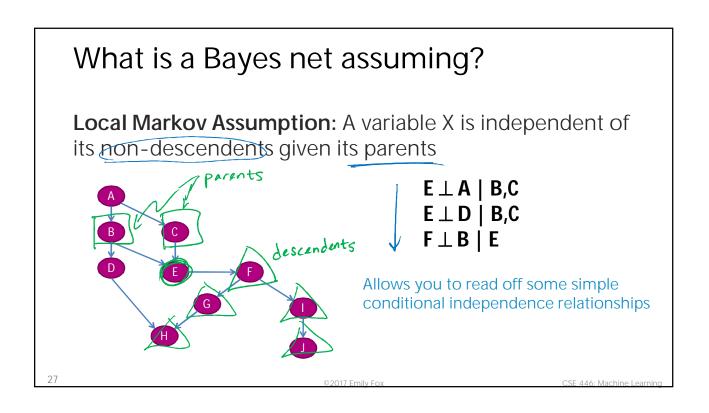


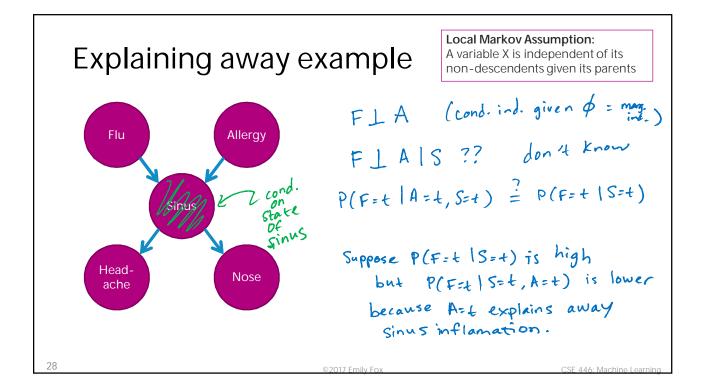






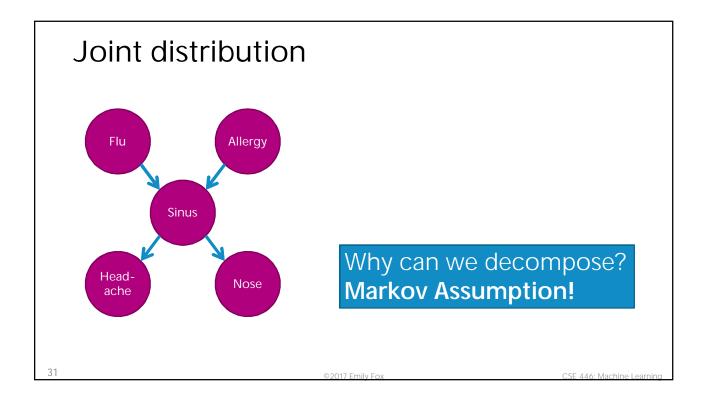


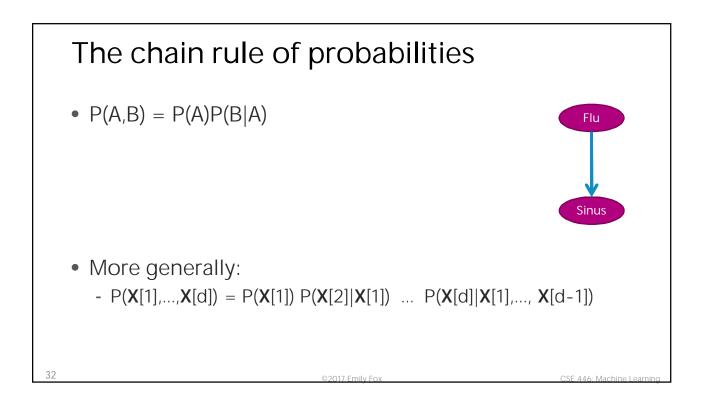


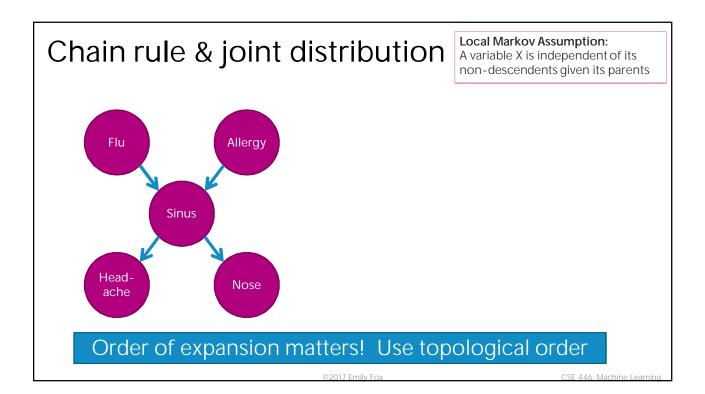


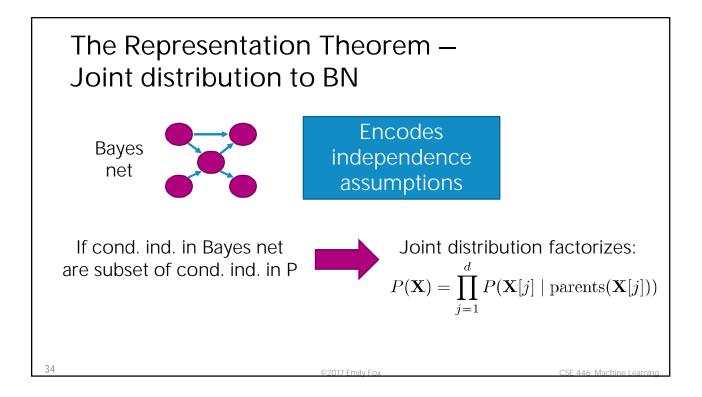
Naïve Bayes revisited Local Markov Assumption: A variable X is independent of its non-descendents given its parents Local Markov assumption of this graph: Х(j) I ×(1),..., ×Lj-1), ×[j+1],..., ×Ш) У (XE) Naive Bayes











17

