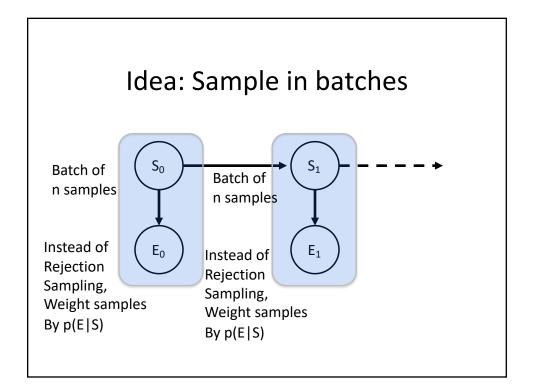
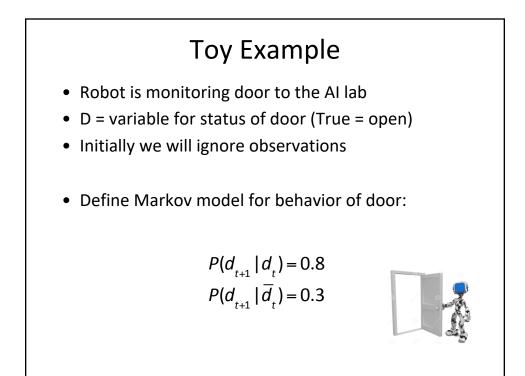
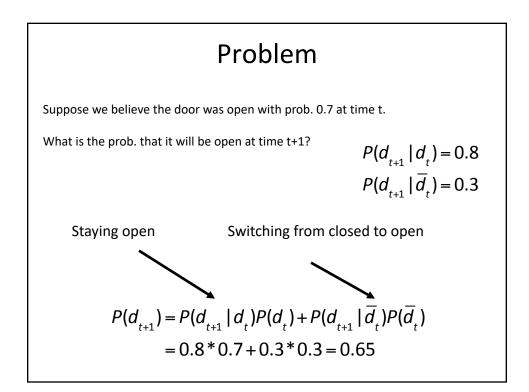


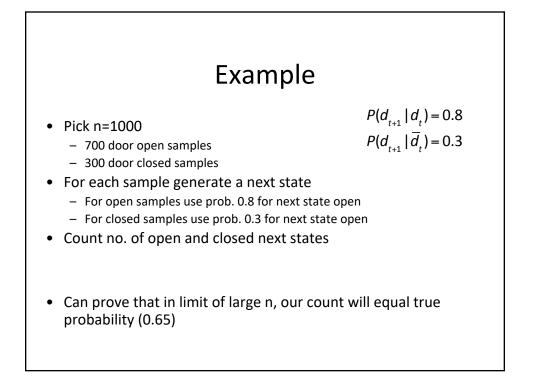
Recall Sampling Approach to BNs

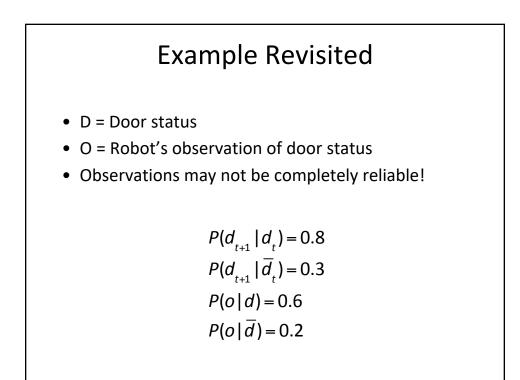
- Treat Bayes net as a "generative model"
- Sample variables with no unsampled parents
- Marginal probabilities are relative frequencies in population of samples
- Challenges:
 - In tracking, you are never "done" sampling
 - Observations may be continuous probability 0 that sampled observation will match actual one

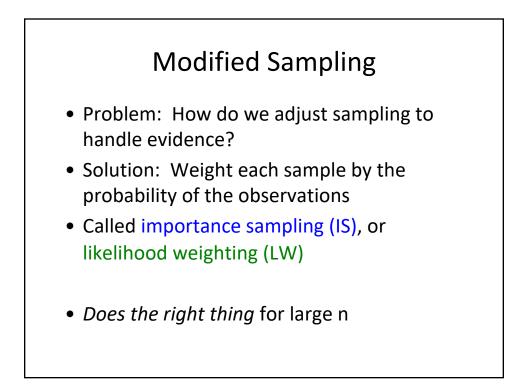


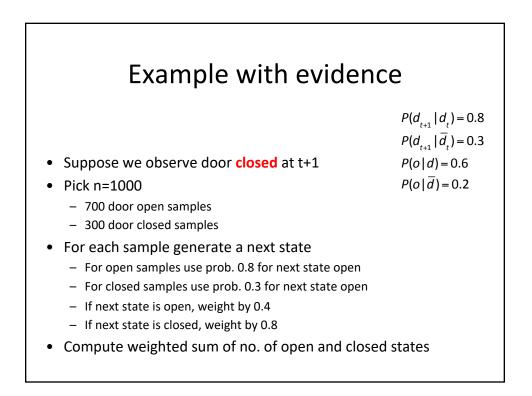


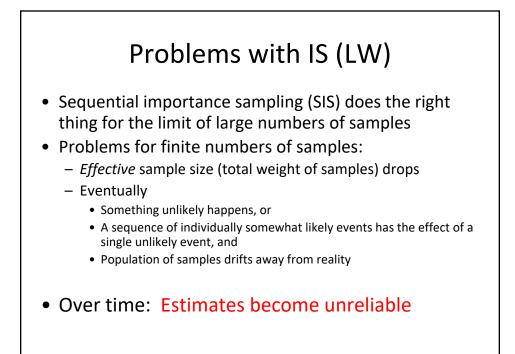


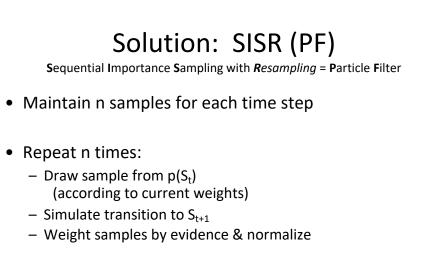












Note: Works for continuous as well as discrete vars!

