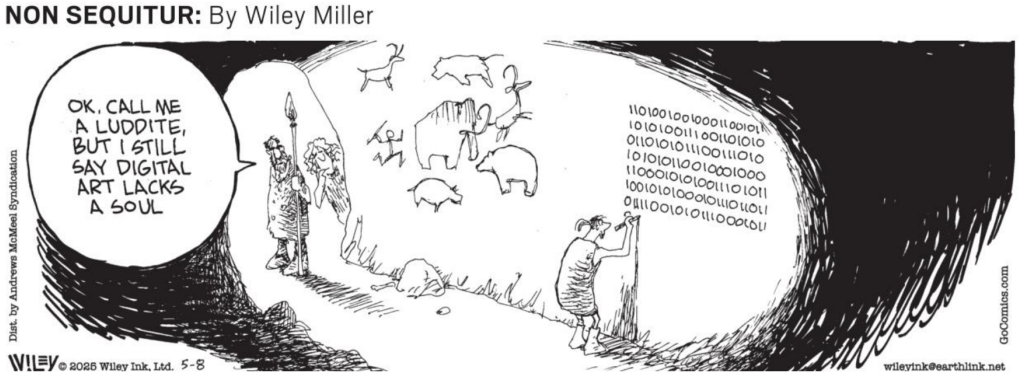
CSCI 3202

Lecture 16

October 1, 2025



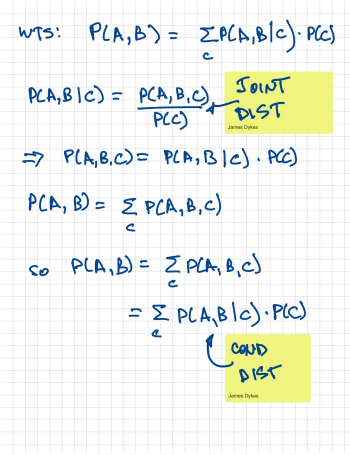
Non Sequitur by Wiley Miller. https://www.gocomics.com/nonsequitur

Announcements

- HW #5 released today
  - Due on Friday, October 10
  - Look through the HW before the Midterm
  - Some material in HW will be on the Midterm
- Quiz #6 on Friday
  - Enumeration
  - Solve a network
  - Causal and diagnostic networks
- Midterm on Wed, October 8, 2024 in class

Bayesian Networks

- How can we add a probability to our distribution then sum it out?



- Solving a Bayes Network
  - We begin with a joint distribution containing all of the variables in model
  - Define the conditional probability we want as our result in terms of this joint distribution
  - We "sum over" variables we don't want in the final
  - Plug in the values from your CPTs and calculate a final result
  - Your final result should be a numerical probability
- Bayes Nets Part II Annotated.pdf

Upcoming

- Quiz #6 on Friday
- Midterm on Wed, October 8, 2024 in class
  - Review on Mon, October 6