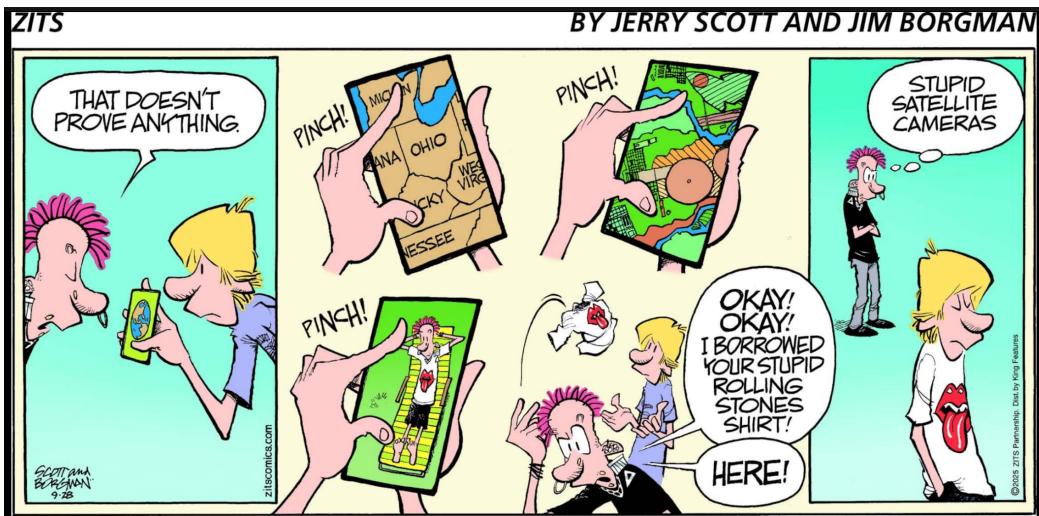


CSCI 3202
Lecture 15
September 29, 2025



Zits by Jerry Scott and Jim Borgman. <https://comicskingdom.com/zits>

Announcements

- Quiz #5 on Friday was cancelled
 - Hadn't covered the material on the quiz
 - Next quiz is Quiz #6 on 10/3
 - We will have one fewer quiz than is in the syllabus
- HW #4 due on Today
- HW #5 will be released on Wednesday
 - Due on Friday, October 10
 - Look through the HW before the Midterm
 - Some material in HW will be on the Midterm
- Midterm remains unchanged on Wed, October 8, 2024 in class

Bayesian Networks

- Creating a Bayes Network
 - [Bayes Nets Intro.pdf](#) (pg 5-19)
- 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

Readings

- AIMA Section 13.2-13.3

Upcoming

- Finish Bayes Networks
 - Solve a network
 - Causal and diagnostic networks
- Local Optimization
- Quiz #6 on Friday
 - Enumeration
 - Solve a network
 - Causal and diagnostic networks
- Midterm on Wed, October 8, 2024 in class
- Review on Mon, October 6