

Agenda for CSCE 582 (=STAT 582) class meeting of 2021-04-22 (Class 28: 2 of Week 15; Online; Last Day of Classes)

1. Remember to record the session!

WEEK	TOPIC	SOURCE
1 (1/12,14)	Probability and Reasoning	Chs.1 and 2 [J]; instructor's slides
2 (1/19,21)	Probability and Reasoning	Chs.1 and 2 [J]; instructor's slides
3 (1/26,28)	<i>Probability and Reasoning; Causal and Bayesian Networks</i>	<i>Chs.1 and 2 [J]; instructor's slides</i>
4 (2/2,4)	Causal and Bayesian Networks	Ch.2 [J]; instructor's slides
5 (2/9,11)	<i>Casual and Bayesian Networks; Building Models: Capturing the Structure and Determining the Conditional Probabilities</i>	<i>Instructor's Slides; Sections 3.1 & 3.2 [J]</i>
6 (2/16,18)	Building Models: Capturing the Structure and Determining the Conditional Probabilities	Sections 3.1, 3.2 and 3.3 [J] and notes on the stratum method
7(2/23,25)	Building Models: Capturing the Structure and Determining the Conditional Probabilities; Advanced Modeling Methods and Special Features; Wellness Holiday	Sections 3.2, 3.3 and 3.4 [J] and notes on the stratum method
8 (3/2,4)	<i>Building Models: Capturing the Structure and Determining the Conditional Probabilities; Building Models: Advanced Modeling Methods and Special Features;</i>	<i>Sections 3.2, 3.3 and 3.4 [J]</i>
9 (3/9,11)	<i>Building Models: Capturing the Structure and Determining the Conditional Probabilities Review (if time permits) and Midterm</i>	<i>Sections 3.2, 3.3 and 3.4 [J]</i>
10 (3/16,18)	<i>Building Models: Determining the Conditional Probabilities; Advanced Modeling Methods and Special Features;-Belief Updating in Bayesian Networks: The Junction Tree Method</i>	<i>Sections 3.3 and 3.4 [J]; Ch.4 [J96] & Ch. 4 [J]</i>
11 (3/23,25)	<i>Advanced Modeling Methods and Special Features;-Belief Updating in Bayesian Networks: The Junction Tree Method Belief Updating in Bayesian Networks: Stochastic Simulation and Loopy Belief Propagation</i>	<i>Sections 3.3 and 3.4 [J]; Ch.4 [J96] & Ch. 4 [J]. Sections 4.7-4.8 [J] & Section 4.6 [J96]</i>
12 (3/30 & 4/1)	Wellness Holiday. <i>Belief Updating in Bayesian Networks: The Junction Tree Method. Belief Updating in Bayesian Networks: Stochastic Simulation and Loopy Belief Propagation. Graphical Languages for Decision Problems</i>	<i>Sections 3.3 and 3.4 [J]; Ch.4 [J96] & Ch. 4 [J]. Sections 4.7-4.8 [J] & Section 4.6 [J96]. Ch.9 [J]</i>
13 (4/6,8)	<i>Belief Updating in Bayesian Networks: The Junction Tree Method. Belief Updating in Bayesian Networks: Stochastic Simulation and Loopy Belief Propagation. Graphical Languages for Decision Problems</i>	<i>Ch.4 [J96] & Ch. 4 [J]. Sections 4.7-4.8 [J] & Section 4.6 [J96]. Ch.9 [J]</i>
14 (4/13,15)	<i>Stochastic Simulation and Loopy Belief Propagation. Graphical Languages for Decision Problems</i>	<i>Sections 4.7-4.8 [J] & Section 4.6 [J96]. Ch.9 [J]</i>
15 (4/20,22)	<i>Graphical Languages for Decision Problems and Review (if time permits) and Graduate Student Presentations</i>	<i>Ch.9 [J]</i>
May 4	Final Exam: May 4, 12:30 p.m.	

2. Check email to see whether students are emailing reports of trouble.
3. Ask student to use chat for questions and mute audio and video on their side, to limit clutter and bandwidth.
4. Virtual Office Hours. I expect to have virtual office hours on Blackboard Collaborate Ultra from 1500-1800 on Mondays. Please email me if you want to meet me online.
5. The final exam is a take-home exam. It is on the departmental dropbox. It is due at 1500 on May 4, 2021.
6. For graduate credit: please choose presentation/report/reconstruction. Email me your proposal with "582 Graduate Work" in the subject line. Your work is due on 2021-04-26 (via dropbox).
7. Graphical Languages for Decision Problems.
8. Make sure that the students are fine and wait for questions before ending the session.