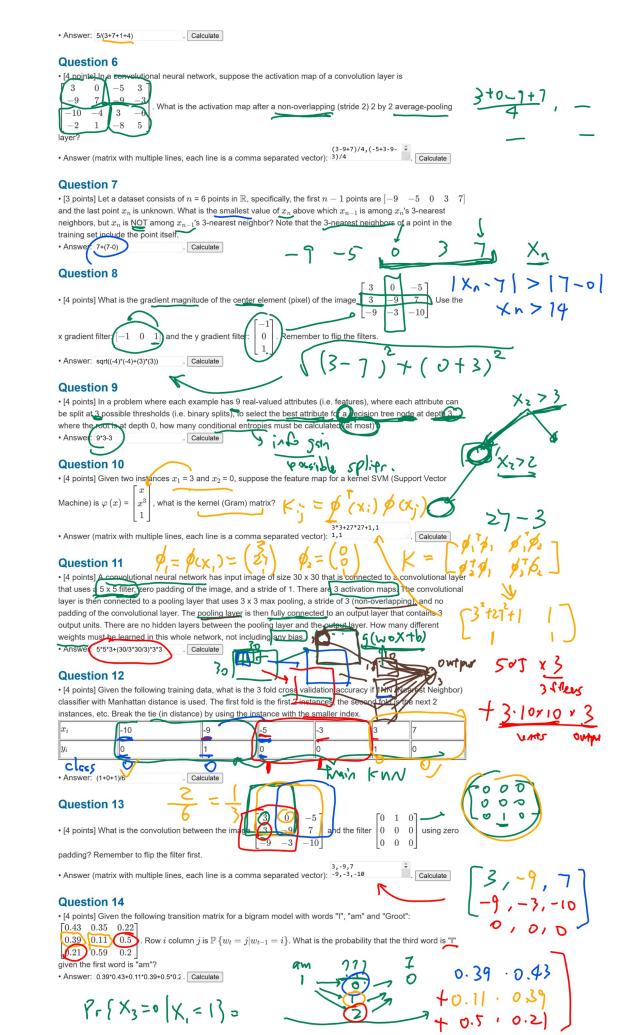
Home	
Week 1	• Enter your ID (the wisc email ID without @wisc.edu) here: yw and click Confirm (or hit
Week 2	enter key)
Week 3	PriAB = 5. $\frac{Pr(A.B)}{PrSA3}$ - $\frac{5}{7}$
Week 5	Question 1 Pr SRS - Pr SAS
Week 6	• [A pointe] If $\mathbb{P}[A R]$ is 5 times the value of $\mathbb{P}[R A]$ and $\mathbb{P}[A] = 0.49$. What is $\mathbb{P}[R]$?
Week 7	• Answer: 0.49/5
Midterm	
Final	Question 2 • [5 points] Andy is a three-month old baby. He can be happy (state 0), hungry (state 1), or having a wet diaper (state 2), initially when he wakes up from his nap at 1pm, he is happy. If he is happy, there is a 0.43 chance that he will remain happy one hour later, a 0.35 chance to be hungry by then, and a 0.22 chance to have a wet diaper. Similarly, if he is hungry, one hour later he will be happy with 0.39 chance, and wet diaper with 0.5 chance. If he has a wet diaper, one hour later he will be happy with 0.21 chance, hungry with 0.59 chance, and wet diaper with 0.2 chance. He can smile (observation 0) or cry (observation 1). When he is happy, he smiles 0.37 of the time and crise 0.37 of the time and crise 0.39 of the time and crise 0.39 of the time and crise 0.39 of the time and crise 0.30 of the time; when he is happy, he smiles 0.39 of the time and crise 0.40 of the time. What is the probability that the particular observed sequence cry, cry (or 1, 1 in the diagram) happens? Prixely 1 - Prixely 2 - Prixely 3 - Prixely 3 - Prixely 3 - Prixely 3 - Prixely 4 - Prixe
	What is the chance that the Wood family has a boy? • Answer (comma separated vector): $(1-1/(2^{k}3))(-1/(2^{k}4-1))$ Question 4 • [4 points] Consider a linear model $a_i = w^T x_i + b$, with the cross entropy cost function
	• Answer (comma separated vector): $2^2(1/3^*(-3)), 0-2^*(1/3)$. Calculate $w = w - \lambda \frac{\partial C}{\partial w}$
	Question 5 • [4 points] Given the counts, find the maximum likelihood estimate of $\mathbb{P}\{A=1 B+C=s\}$, for $s=1$. A B C counts 0 0 0 5
	0 0 1 3 P. SA=1, B+C=17
	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	# A=1,B+c=1

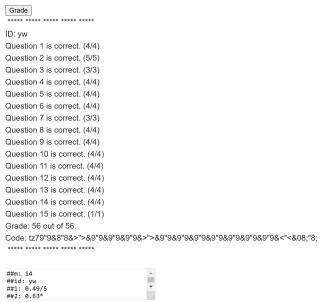


Question 15

• [1 points] Please enter any comments including possible mistakes and bugs with the questions or your answers. If you have no comments, please enter "None": do not leave it blank.

• Answer:

Grade



• You could save the text in the above text box to a file using the button Download or copy and paste it into a file using the button Download or copy and the button Download or copy are copy and the button Download or copy are copy are copy are copy and the button Download or copy are copy are

• You could load your answers from the text (or txt file) in the text box below using the button Load. The first two lines should be "##m: 14" and "##id: your id", and the format of the remaining lines should be "##1: your answer to question 1" newline "##2: your answer to question 2", etc. Please make sure that your answers are loaded correctly before submitting them.

Choose File M14Y.txt
##m: 14
##id: yw

Last Updated: July 15, 2021 at 4:21 PM

