← Week 4 Quiz **Due** Jul 13, 12:29 PM IST Graded Quiz • 30 min

Al and Society Video: Week 4 Introduction 2 min QUIZ • 30 MIN Week 4 Quiz Video: A realistic view of Al 7 min Video: Discrimination / Bias 9 min Video: Adversarial attacks on Al 7 min Submit your assignment Video: Adverse uses of Al **DUE DATE** Jul 13, 12:29 PM IST **ATTEMPTS** 3 every 8 hours Video: Al and developing economies

TO PASS 80% or higher

Video: Al and jobs
7 min

Video: Conclusion
3 min

Quiz: Week 4 Quiz
10 questions

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grade 100% ✓ Congratulations! You passed! Keep Learning TO PASS 80% or higher

Week 4 Quiz

1 / 1 point

3. Say you are building an AI system to help make diagnoses from X-ray scans. Which of the following statements about 1/1 point

8. If a developing economy has a strong and thriving coffee bean manufacturing industry (or some other vertical industry), 1/1 point then it has an advantage in applying AI to coffee bean manufacturing (or other vertical industry).

1/1 point

○ False

9. What are the jobs that AI is most likely to displace over the next several years?

✓ Correct

10. Congratulations! You deserve a pat on the back for finishing this course.

True

○ False ✓ Correct

LATEST SUBMISSION GRADE 100% 1. What are the current limitations of AI technology? (Select all that apply) Al technology can discriminate Correct Al technology can be biased Correct Al technology is susceptible to adversarial attacks ✓ Correct ☐ There are no limitations to AI technology Explainability is hard ✓ Correct 2. What is the Goldilocks Rule of Al? 1 / 1 point One should allocate many resources to defend the world from giant killer robots An Al winter is coming One shouldn't be too optimistic or too pessimistic about Al technology Al's technology will continue to grow and can only benefit society Correct explainability of AI do you agree with? Most Al systems are highly explainable, meaning that it's easy for a doctor to figure out why an Al system gave a particular diagnosis. Al systems are intrinsically "black box" and cannot give any explanation for their outputs. Explainability is usually achieved through building a chatbot to talk to the user to explain its outputs. Lack of explainability can hamper users' willingness to trust and adopt an Al system. ✓ Correct 4. Using current AI technology, if a machine learning system learns from text that reflects unhealthy biases/stereotypes, 1/1 point then the resulting AI software may also exhibit similarly unhealthy biases/stereotypes. True False ✓ Correct 5. Using current AI technology, if a machine learning system learns only from text that is completely neutral and does not 1/1 point reflect any gender biases, then we would expect it to exhibit no, or at most minimal, gender bias. ○ False Correct 6. Which of these are good practices for addressing bias in AI? (Select all that apply) 1 / 1 point Technical solution such as "zeroing out" bias ✓ Correct Systematic auditing processes to check for bias Correct Using an adversarial attack on the AI system to change its outputs to be less biased Using more inclusive/less biased data ✓ Correct 7. Which of these are examples of adversarial attacks on an AI system? (Select all that apply) Subtly changing an image to make an Al system mistakenly recognize a dog as a cat. ✓ Correct Adding a sticker to a stop sign to make an Al system fail to detect it. ✓ Correct Subtly modifying an audio clip to make a speech recognition system think someone said "Yes, authorized" when they actually said "No, reject." ✓ Correct Using AI to synthesize a fake video of a politician saying something they never actually said. True ✓ Correct 1 / 1 point O Jobs that comprise primarily of non-routine, non-repetitive work All jobs will be displaced Jobs that comprise primarily of routine, repetitive work Most jobs involving office work (white collar jobs)