1.Question 1

What are the current limitations of AI technology? (Select all that apply)

☑

Explainability is hard

Correct
☑

AI technology can be biased

Correct
☑

AI technology is susceptible to adversarial attacks

Correct
☑

AI technology can discriminate

☐

There are no limitations to AI technology

2.Question 2

What is the Goldilocks Rule of AI?

○

AI's technology will continue to grow and can only benefit society

○

One shouldn't be too optimistic or too pessimistic about AI technology

○

An AI winter is coming

○

One should allocate many resources to defend the world from giant killer robots

0 / 1 point

4.Question 4

Using current AI technology, if a machine learning system learns from text that reflects unhealthy biases/stereotypes, then the resulting AI software may also exhibit similarly unhealthy biases/stereotypes.

○

True

Correct

○

False

5.Question 5

Using current AI technology, if a machine learning system learns only from text that is completely neutral and does not reflect any gender biases, then we would expect it to exhibit no, or at most minimal, gender bias.

○

True

Correct

○

False

6.Question 6

Which of these are good practices for addressing bias in AI? (Select all that apply)

☑

Systematic auditing processes to check for bias

Correct

☑

Using more inclusive/less biased data

Correct

☑

Using an adversarial attack on the AI system to change its outputs to be less biased

☐

Technical solution such as "zeroing out" bias

7.Question 7

Which of these are examples of adversarial attacks on an AI system? (Select all that apply)

☑

Subtly changing an image to make an AI system mistakenly recognize a dog as a cat.

Correct

☑

Adding a sticker to a stop sign to make an AI 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.

8.Question 8

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

○

True

Correct

○

False

9.Question 9

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

○

Jobs that comprise primarily of non-routine, non-repetitive work

○
Correct

Jobs that comprise primarily of routine, repetitive work

○

Most jobs involving office work (white collar jobs)

○

All jobs will be displaced

10.Question 10

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

○

True

◉   Correct