Assignment 1

The due date for submitting this assignment has passed. Due on 2018-02-21, 23:59 IST.

Submitted assignment

1) Technology is:
   - a tool
   - an experience
   - all of the above
   - none of the above

   No, the answer is incorrect.

   Score: 0

   Accepted Answers:
   all of the above

2) Every technology involves both human and non-human actors. Hence, technology and society co-produce each other.

   - True
   - False

   No, the answer is incorrect.

   Score: 0

   Accepted Answers:
   True

3) Data and Algorithms are not shaped by social forces

   - True
   - False
   - Data are but algorithms are not
   - Algorithms are but data are not

   No, the answer is incorrect.

   Score: 0

   Accepted Answers:
   False

4) Are Algorithms Sociotechnical assemblage?

   - Yes
   - No

   No, the answer is incorrect.

   Score: 0

   Accepted Answers:
   Yes
5) The proof of which of the following mathematical results is algorithmic in nature?

- The infinitude of prime numbers.
- The square root of 2 is not a rational number.
- An angle in a plane cannot be exactly trisected using a compass and a straight edge.
- The Halting Problem for Turing machines.
- None of the above.

No, the answer is incorrect.
Score: 0
Accepted Answers:
None of the above.

6) Which of these are probably NOT true?

- Improving the response time of web services is possible with better algorithms.
- Having greater bandwidth is good for improved web service response time.
- Algorithmic bias can be an issue with web services.
- Improved response times always translate to improved web services.
- None of the above.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Improved response times always translate to improved web services.

7) The "Bystander Syndrome" shows the limitation of which of the following?

- The Laffer Curve.
- Analytic Reduction.
- Moore's Law.
- Ohm's Law.
- None of the above.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Analytic Reduction.

8) Which of the following are most likely to be TRUE?

- Algorithmic bias is unlikely if a service system is technically sound but not financially viable.
- Machine learning can only be used if a service system is technically sound and financially viable, but does not have social acceptance.
- Data hoarding is a problem arising from questionable corporate financial ethics.
- Artificial intelligence has little to do with the mind-brain identity thesis.
- None of the above.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Data hoarding is a problem arising from questionable corporate financial ethics.

9) Which of the following problematic software agents or bots would NOT be regarded as socially unacceptable?

- One that assumes all humans are white.
- One that uses male pronouns for all users.
- One that presumes that all users are skilled at using computers.
- One that does not offer appropriate spelling and grammar customizations.
- None of the above.

No, the answer is incorrect.
Score: 0
10) Which of these is LEAST likely to be a solution to the problem of unfair algorithmic arbitrage of culture?

- More access to computing resources by poorer sections of society.
- Making recommendation engines open source.
- Extensive digitization and availability of texts from all cultures.
- Choice of cultural contexts and parameters for programs by appropriate majority voting.
- None of the above.

No, the answer is incorrect.

Score: 0

Accepted Answers:
Choice of cultural contexts and parameters for programs by appropriate majority voting.