

Unit 10 - Week 8

Course outline
How does an NPTEL online course work?
Week 0
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
<ul style="list-style-type: none"> Lecture 36 : IIoT Analytics and Data Management: Introduction Lecture 37 : IIoT Analytics and Data Management: Machine Learning and Data Science – Part 1 Lecture 38 : IIoT Analytics and Data Management: Machine Learning and Data Science – Part 2 Lecture 39 : IIoT Analytics and Data Management: Cloud Computing in IIoT – Part 1 Lecture 40 : IIoT Analytics and Data Management: Cloud Computing in IIoT – Part 2 Week 8 - Lecture Material
<ul style="list-style-type: none"> Quiz : Assignment 8 Week 8 Feedback Form
Week 9
Week 10
Week 11
Week 12
Download Videos
Text Transcripts
Detailed Assignment Solution
Live Interactive Session

Assignment 8

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2020-03-25, 23:59 IST.

- 1) In reinforcement learning
- No external supervisor to guide the agent
 - Agent is guided by an external supervisor who has the knowledge of the environment
 - Both a and b
 - None
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 2) Which one of the following is correct?
- Fuzzy-c means can be extremely faster than K-means
 - K-means is faster than Fuzzy-c means
 - Both a and b
 - None
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 3) Fog computing is a
- complement to cloud computing
 - replacement of cloud computing
 - substitution of cloud computing
 - none of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 4) Which one of the following is true for Reinforcement learning algorithm?
- Enables machines to improve its performance by automatically learning the ideal behaviors for an environment
 - Enables machines to improve its performance by manually learning the ideal behaviors for an environment
 - Both a and b
 - None
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 5) The main requirements of deep learning are _____
- Low quality and low quantity data
 - Low quality and high quantity data
 - High quality and low quantity data
 - High quality and high quantity data
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
- 6) In deep learning, deep refers to the _____
- Number of hidden layers
 - Number of input layers
 - Number of output layers
 - None
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 7) Which of the following option is true about the cloud features offered for IIoT?
- High data storage capacity
 - High computational speed of processing data
 - High Scalability
 - All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
- 8) One of the important characteristics of cloud is _____
- Homogeneity
 - Productivity
 - Abstraction
 - None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 9) The digital twin technology implies:
- Technology that enables to increase the production
 - Technology that enables prediction and optimization
 - Both (a) and (b)
 - None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
- 10) The major services of the cloud provided by Honeywell includes:
- Onsite control and management
 - Smart and secure alliance
 - Connected world of devices and assets
 - All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
- 11) Go through the statements and choose the correct option.
Statement I: Centralized cloud-based solution for IIoT suffers from latency problems.
Statement II: Fog based decentralized solutions has no support for reducing latency issues.
- Both statement I and II are correct
 - Only statement I is correct
 - Only statement II is correct
 - Both statement I and II are false
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
- 12) Suppose a cloud vendor provides features of edge intelligence. What does it exactly mean?
- Devices at the edge of network can take all the decisions and there is no need of cloud in the infrastructure
 - Devices at the edge of network can take some decisions based on local data rather than delegating every decision to cloud
 - Devices at the edge of network work act as forwarding devices to delegate all the decisions to cloud.
 - None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
- 13) Consider the following statements and choose the correct option.
Statement A: Fog computing offers better scalability
Statement B: Fog computing helps in decreasing delay
- Only statement A is true
 - Only statement B is true
 - Both Statements are true
 - None of them are true
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 14) Why is the fog computing suitable for mining industry?
- It is the scenario where processing of data can be delayed
 - The scenario is suitable for the implementation of the fog computing
 - It is a highly risky environment
 - All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 15) Which of the following fog platform produces the FogOS?
- Sonm
 - Crosser
 - FogHorn
 - Nebbiolo Technologies
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.