ISTQB

CT-AI

Certified Tester AI Testing (CT-AI)

QUESTION & ANSWERS

Question: 1

Case Study	Number of Questions	Total Question
Chapters 1-2-3-4 Questions	56	1 – 56
Chapter 5-6-7 Questions	46	57 – 102
Chapters 8-9-10-11	34	103 –136
Glossary Terms	40	137 – 176
Glossary Terms 2	44	177 – 220
Total		220

Which of the following aspects is BEST described in the sentence below?
Data used for both learning and prediction should be current as possible.

A. Incomplete data

B. Obsolete data

C. Irrelevant data

D. Duplicate data

Answer: B

Explanation/Reference:

A. is correct. Obsolete data is described as data used for both learning and prediction should be current as possible.
B. is not correct. Irrelevant data is described as data that is not relevant to the problem being addressed may adversely influence the results and may lead to wasting resources
C. is not correct. Duplicate data is described as repeated data records may unduly influence the resultant ML model.
D. is not correct. Incomplete data is described as data values may be missing
Learning Objective:

Question: 2

Despite the benefits of the evolution of AI-based systems, they must be constrained. Which of the following is the BEST reason for managing them?

A. To ensure that the evolution is at a slow pace humans can catch up with.

B. To ensure that people won't lose their jobs.

C. To ensure that computational powers are not wasted.

D. To ensure that any evolution always stays aligned with human values.

Answer: D

Explanation/Reference:

A. is not correct. To ensure that people won't lose their jobs, according to the World Economic Forum prediction AI will create more jobs.
B. is correct. To ensure that any evolution always stays aligned with human values, ensuring that any evolution remains within limits.
C. is not correct. To ensure that computational powers are not wasted, this has nothing to do with the evolution of AI.
D. is not correct. To ensure that the evolution is at a slow pace humans can catch up with, AI focuses on designing machines that can mimic human behaviour.
Learning Objective:
2.3

Question: 3

Which of the following is the goal of clustering a set of data?

A. Choose the best data from the set

B. Divide them into groups of data that are near each other

C. Determine the nearest neighbours of each of the data

D. Predict the class of data

Answer: B

Explanation/Reference:

A. is correct. Divide them into groups of data that are near each other is the goal of clustering.
B. is not correct. Choose the best data from the set is not the goal of clustering.
C. Is not correct. Predict the class of data is not the goal of clustering.
D. is not correct. Determine the nearest neighbors of each of the data is not the goal of clustering.
Learning Objective: 3.1.2

Question: 4

Which labelling form is done by an external specialist organization?

A. Crowdsourced

B. Outsourced

C. Internal

D. AI-Assisted

Answer: B

Explanation/Reference:

A. is not correct. Crowdsourced labelling is performed by a large group of individuals.
B. is not correct. Internal labelling is performed by developers, testers or a team within the organization which is set up for the labelling.
C. is not correct. AI-Assisted labelling is done with the help on AI tool.
D. is correct. Outsourced labelling is done by an external specialist organization.
Learning Objective:
4.5.1

Question: 5

Which of the following is the BEST option for small-scale ML work?

A. GPUs

B. System on a Chip (SoC)

C. CPUs

D. TPUs

Answer: A

Explanation/Reference:

A. is correct. GPUs generally offer the best option for small-scale ML work.
B. is not correct. CPUs are typically out performed by GPUs.
C. is not correct. TPUs can only be accessed by users on the Google Cloud.
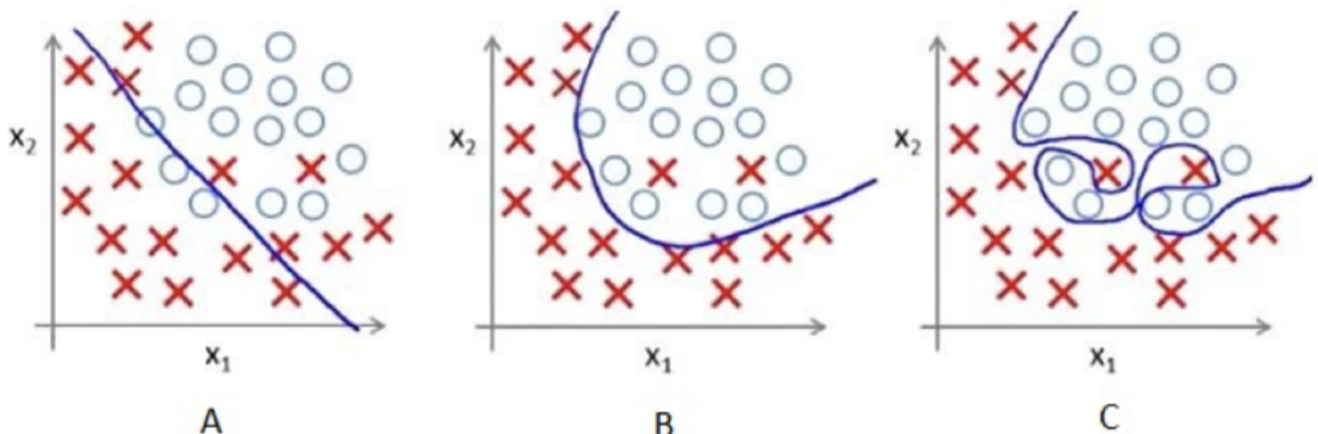D. is not correct.System on a Chip (SoC) is most suitable for edge computing, while the training of the ML model is done in the cloud.
Learning Objective:
1.6

Question: 6

In the figure below there are three scatter plots and a freehand sketch for logistics regression.

Which of the above figures show that the decision boundary is overfitting the training data?