C1000-059^{Q&As}

IBM AI Enterprise Workflow V1 Data Science Specialist

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QUESTION 1

A neural network is composed of a first affine transformation (affine1) followed by a ReLU non-linearity, followed by a second affine transformation (affine2). Which two explicit functions are implemented by this neural network? (Choose two.)

A. y = affine1(ReLU(affine2(x)))

B. y = max(affine1(x), affine2(x))

C. y = affine2(ReLU(affine1(x)))

D. y = affine2(max(affine1(x), 0))

E. y = ReLU(affine1(x), affine2(x))

Correct Answer: CD

QUESTION 2

Which of the following entity extraction techniques would be best for the extraction of telephone numbers from a text document?

A. complex pattern-based

B. regex

C. statistical

D. dictionary

Correct Answer: C

Reference: https://www.researchgate.net/
publication/318093829_Developing_an_innovative_entity_extraction_method_for_unstructured_data

QUESTION 3

Which is an example of a nominal scale data?

A. a variable industry with categorical values such as financial, engineering, and retail

B. a variable mood with a scale of values unhappy, ok, and happy

C. a variable bank account balance whose possible values are $5, $10, and $15

D. a variable temperature with a scale of values low, medium, and high

Correct Answer: C

QUESTION 4

Which fine-tuning technique does not optimize the hyperparameters of a machine learning model?

A. grid search

B. population based training

C. random search

D. hyperband

Correct Answer: D

Reference: https://www.datacamp.com/community/tutorials/parameter-optimization-machine-learning- models

QUESTION 5

Which is the most important thing to ensure while collecting data?

A. samples collected are skewed with each other

B. samples collected are all strongly correlated with each other

C. samples collected adequately cover the space of all possible scenarios

D. samples collected focus only on the most common cases

Correct Answer: A

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