SAS Institute

A00-408
SAS Viya Natural Language Processing and Computer Vision

Questions & Answers PDF

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Question: 1

Which statement regarding convolutional layers best explains why these models help classify images in a variety of orientations?
Response:

A. The filters have a width and a height.
B. They are equivariant to translation.
C. A network can have multiple convolutional layers.
D. They capture edges.

Answer: B

Question: 2

The output for a particular neuron in the hidden layer is -0.001. What activation function is used in this hidden layer?
Response:

A. RelU
B. TanH
C. Sigmoid
D. Softmax

Answer: B

Question: 3

Which statement is FALSE when you use dlTune to tune the hyperparameters of CNN?
Response:

A. It tunes model architecture
B. It tunes miniBatchSize.
C. It tunes learning rate.
D. It tunes momentum rate.

Answer: A

Question: 4

What matches the rule: (ORDDIST_7, "not", "bad", "road")?
Response:

A. The road was bad last week but should not be closed now.
B. The reason was not that the hotel was on a bad road since it was accessible.
C. It was actually not too bad last week but the road may be closed now.
D. The road should not be too bad since it was open yesterday.

Answer: C

Question: 5

When scoring new images with a neural network using dlScore, which statement is TRUE about the weights?
Response:

A. The weights change due to backpropagation.
B. The weights do not change.
C. The weights change due to covariate shift of the distribution of new images.
D. The weights change only when there is a new image that is significantly different from the training images.

Answer: B

Question: 6

A documents data set has a document ID, a text variable, and 3 category variables. There is a total of 13 topics. A unique ID (__uniqueid__) has been added to the output data set. How many columns are in the output data set obtained from the results window of the Topics node?
Response:

A. 29
B. 19
C. 32
D. 16

Answer: C

Question: 7

What is a reason for using a small training dataset for an image classification task?
Response:

A. Small datasets do not have to be partitioned.
B. Classification networks work well with small datasets.
C. To prevent over fitting.
D. To ensure the network is capable of learning.

Answer: D

Question: 8

The output CAS table generated by running the loadImages action contains the binary images in which of the following columns?
Response:

A. _path_
B. _jpg_
C. _binary_
D. _image_

Answer: D

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