



A00-405^{Q&As}

SAS Viya 3.5 Natural Language Processing and Computer Vision

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**QUESTION 1**

CASL

```
BuildModel/model={name='simple', replace=1} type = 'RNN';
AddLayer/model='simple' name='data' layer={type='input'};
AddLayer/model='simple' name='rnn11' layer={type='recurrent'
      n=10 rnnType='RNN' outputtype='encoding'}
      srcLayers={'data'};
AddLayer/model='simple' name='outlayer' layer={act='softmax'
      type='output' n=3}
      srcLayers={'rnn11'};
```

Python

```
s.buildmodel(model=dict(name='simple', replace=True),
type='RNN')

s.addlayer(model='simple', name='data', layer=dict(type='input'))

s.addlayer(model='simple', name='rnn11', srclayers=['data'],
      layer=dict(type='recurrent', n=10 , rnnType='RNN',
outputType='encoding', reverse=False))

s.addlayer(model='simple', name='outlayer',
srclayers=['rnn11'], layer=dict(act='softmax', type='output', n=3))
```

Review the code in the CASL and Python tabs The code sets are the same but in different languages. Given this code which statement correctly describes this recurrent neural network built by the code set1?

- A. The RNN assigns a classification to each element in the sequence
- B. The RNN predicts the next value in a sequence
- C. The RNN assigns a classification to the entire sequence
- D. The RNN predicts the previous value in a sequence

Correct Answer: A

**QUESTION 2**

Given the code:

```
deepLearn.addLayer / layer={type="CONVO"  
                        nFilters=20 width=5 height=5 stride=1}  
                        modelTable={name="simple"  
                                    name="conv1"  
                                    srcLayers={"data"};  
                        run;
```

How many trainable parameters do these lines add to the model

- A. 25
- B. 520
- C. 250
- D. 500

Correct Answer: C

QUESTION 3

Given these two addLayer action calls:

```
addLayer model='mymodel' name="fc1"  
        layer={type='fullconnect' n=20} srcLayers={"data"};  
addLayer model='mymodel' name="fc2"  
        layer={type='fullconnect' n=50} srcLayers={"fc1"};
```

How many trainable parameters for layer fc2?

- A. 70
- B. 1050
- C. 1020
- D. 1000

Correct Answer: D

QUESTION 4

Which option is the correct activation (unction for the output layer in a CNN model trained to classify an image belonging



to one of the n classes (C1, C2, C3, , Cn)?

- A. Sigmoid
- B. ReLU
- C. TanH
- D. Softmax

Correct Answer: A

QUESTION 5

Which statement is TRUE regarding the document relevancy scores generated in the Topics Node?

- A. Relevancy scores enable you to emphasize certain user-specified documents
- B. Relevancy scores can be adjusted to increase the relevance of a document
- C. Relevancy scores are values between -1 and 1 where values that are closer to absolute 1 imply greater relevance
- D. Relevancy scores are normalized values to account for document length

Correct Answer: C

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