Run a Notebook using Keras and DL4J

Practice Quiz, 3 questions

Congratulations! You passed!

Next Item

1 / 1 points

1.

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This Quiz is "answered" by downloading and installing a notebook in the IBM Data Science Experience, following the instructions in that notebook, and entering the output of the final command of that notebook as the "answer" to the quiz question.

The Notebook runs a Keras Model and then saves the model,loads the saved model into DL4J and runs the model in the DSX spark service.

note This will take about a half hour of your time.

Instructions

1. Download the following Notebook File to your computer.

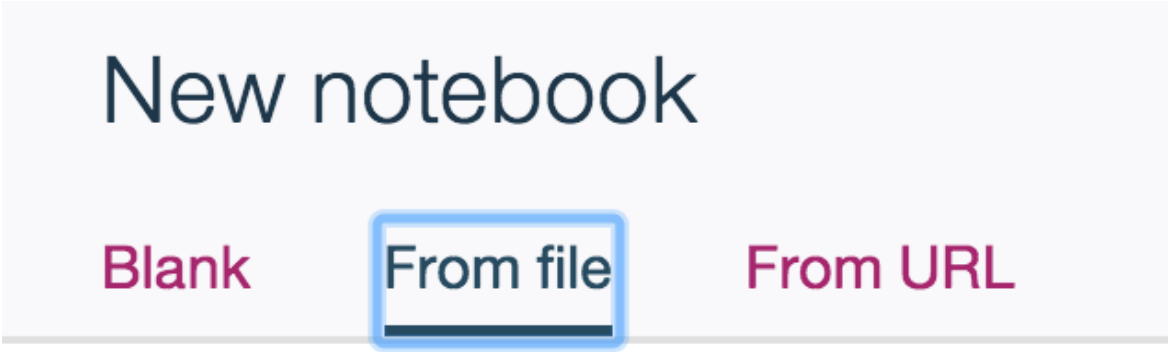
https://github.com/SkymindIO/dsx/releases/download/1.0/SonarLab.ipynb

(if you want to directly load from URL, please use the following link)

https://raw.githubusercontent.com/romeokienzler/developerWorks/master/coursera/ai/week4/SonarLab.ipynb

2. Create a Notebook in Data Science Experience.

3. Choose "From file" and select the file that you downloaded, "SonarLab.ipynb"



4. Follow the instructions in the Notebook.

5. When the Notebook Completes please enter the value for Accuracy as the answer to the quiz.

Congratulations!!

You have built a Neural Net to Classify Sonar Data, and ran that network on Spark in DeepLearning4J.

0.8

Correct Response
That answer is correct

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2.

Assuming the following command to submit a spark job.

```
!$SPARK_HOME/bin/spark-submit \--class skymind.dsx.IrisClassifier \--master
  $MASTER \--files iris.txt \dl4j-quickstart-1.0-SNAPSHOT-jar-with-dependencies
  .jar
```

which of the following statement is true.

- [x] The job will fail if the class skymind.dsx.IrisClassifier is not in dl4j-quickstart-1.0-SNAPSHOT-jar-with-dependencies.jar

Correct

- [ ] The output of the job will be written into a file called "iris.txt"
- [ ] The Job will not run because the command does not include --num-executors.

1 / 1 points

3.

When using DL4J to train a neural network on a Spark Cluster which of the following is a valid choice to allow the workers share parameters. For the purpose of this question the term parameters specifically refer to the weights of the connections between the nodes of the neural network.

- [ ] Shared memory
- [ ] Shared filesystem
- [x] ParameterAveraging Training Master

Correct

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