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C1000-012^{Q&As}

IBM Watson Application Developer V3.1

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QUESTION 1

How would someone train a neutral network?

A. Compare results from forward propagation to an error score and update weightings accordingly using back propagation

B. Compare input of network to output of network and back propagate the difference to the input connections layer

C. Calculate the error rate using cognitive dissonance and back propagate errors to the neurons to minimize the error rate

D. Back propagate the network output through the network and forward propagate errors in order to update relevant weightings

Correct Answer: D

Reference: https://developer.ibm.com/articles/cc-cognitive-neural-networks-deep-dive/#back-propagation

QUESTION 2

Why would the data crawler be used with the IBM Watson Discovery service?

A. When working with the tooling, the data crawler can be used to upload sample documents.

B. The data crawler automates the upload of content to the Discovery Service.

C. When there is a business need to dynamically crawl websites, Twitter and constantly changing content.

D. Use the data crawler when structured data must be mined from other services.

Correct Answer: B

QUESTION 3

What kind of machine learning approach is typically used for classification with a neural network?

A. automatic learning

B. active learning

C. supervised learning

D. reinforcement learning

Correct Answer: C

Reference https://developer.ibm.com/articles/cc-machine-learning-deep-learning-architectures/

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QUESTION 4

A university wants to build a virtual student adviser that can interact with prospective students to help answer any questions they may have on the admissions process. The students for the most part have similar questions, however there are a small number of international students who have very specific queries based on their native country and their background.

Which combination of IBM Watson services would meet these requirements?

A. Natural Language Understanding and Personality Insights

B. Natural Language Classifier and Visual Recognition

C. Watson Assistant and Discovery

D. Speech to Text and Tone Analyzer

Correct Answer: C

Reference https://github.com/watson-developer-cloud/assistant-with-discovery

QUESTION 5

As a developer begins to construct a conversational agent using IBM Watson Assistant service, which activities would they start with?

A. Gather representative questions

B. Design the dialog flow

C. Add new content based on user activity

D. Deploy it on the local machine before deploying it live

Correct Answer: B

Reference: https://developer.ibm.com/tutorials/cc-watson-chatbot-conversation-nlu/

QUESTION 6

Which three file types can be ingested by the IBM Watson Discovery service?

A. JSON

B. PPT

C. DOC

D. XLS

E. CSV

F. PDF

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Correct Answer: ACF

QUESTION 7

What combination of these Watson AI capabilities are applicable for an email-based, help desk?

A. structured data analytics

B. image classification

C. keyword extraction

D. speech recognition

E. text classification

F. entity extraction

Correct Answer: CE

QUESTION 8

The IBM Watson Natural Language understanding service can be used to extract sentiment from which two types of input?

A. images of people\\'s faces

B. audio files

C. streaming video file

D. HTML content

E. text content

Correct Answer: DE

Reference https://cloud.ibm.com/apidocs/natural-language-understanding

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QUESTION 9

What is the purpose of the IBM Watson Natural Language Classifier service?

A. Interpret the intent behind text and returns a corresponding classification with associated confidence levels

B. Reduce the number of random utterances consideration, by obtaining a set of uncorrelated utterances

C. Translate a natural language sentence into a syntactic representation such as a parse tree

D. Group a set of objects in such a way that objects in the same group are more similar to each other than to those in other groups

Correct Answer: A

IBM Watson Natural Language Classifier is a service that enables developers without a background in machine learning or statistical algorithms to create natural language interfaces for their applications, interprets the intent behind text and returns a corresponding classification with associated confidence levels and the return value can then be used to trigger a corresponding action, such as redirecting the request or answering a question.

QUESTION 10

A developer needs to classify a large number of images using IBM Watson Visual Recognition and submitting an image at a time can take a long time.

How can the efficiency of the service be improved?

A. Specify only the classifiers you want results for in the classifier_ids parameter.

B. Specify a high minimum score threshold you want results for in the score parameter.

C. Adjust the image\\'s color resolution to be monochromatic (black and white).

D. Resize images to be no larger than 1024 pixels in either width or height.

Correct Answer: D

QUESTION 11

If you are looking to translate the language of text, but are uncertain of the original language which REST API endpoint from IBM Watson Language Translator service could be used?

A. classify

B. models

C. identify

D. translate

Correct Answer: B

Reference: https://cloud.ibm.com/apidocs/language-translator

QUESTION 12

There are two security models for HTTP communications between an IBM Watson service and the client application. Which two statements are true regarding these two models? (Choose two.)

A. Both models offer generally equivalent communication latency characteristics

B. Neither model provides for direct communication between the application and the service

C. Both models use HTTP basic authentication in all communications interactions

D. Both models offer generally equivalent functionality, but with different security and performance characteristics

E. The application must manage a security token in one model but not in the other

Correct Answer: CD

QUESTION 13

Which statement is a recommended practice when creating a chatbot with IBM Watson Assistant?

A. Define different opening sentences in the dialog flow to prevent repetitive conversations where the dialog always asks the same questions

B. Start with the dialog before defining any intents or entities

C. Increase the amount of the transcribed text to improve the quality and confidence of the extracted concepts

D. Use a separate workspace for each intent

Correct Answer: A

QUESTION 14

When building a dialog within the IBM Watson Assistant service, what does the dollar sign $ represent?

A. Shorthand syntax for accessing the dialog context.variable_name.

B. The $ syntax is meaningful when used with the asterisk * for building and utilizing JSON within Watson dialog response

C. Describes replacement of context by user_response within the Watson Assistant dialog

D. Replaces a word or set of words in the position the $ occupies

Correct Answer: C

Reference: https://console.bluemix.net/docs/services/assistant/dialog-build.html#dialog-build

QUESTION 15

The IT helpdesk of a large enterprise routinely conducts surveys of its users. The survey allows the users to rate the performance of the helpdesk and to enter about 3-4 lines of comments in a free form text field.

Which IBM Watson service should the IT helpdesk use to drive insights from the texts and to look for patterns among complains for improvements?

A. Use Discovery to extract keywords and entities for common patterns across the comments plus gain insight into the sentiment expressed by each comment

B. Natural Language Classifier to evaluate sentiments expressed in the comments

C. Use Natural Language Classifier to look for concepts mentioned in the review

D. Use Personality Insights to analyze traits of the users logging the comments

Correct Answer: D