

Monday, October 31, 2022  
12:05 PM

# Artificial Intelligence - Quiz 1

Total points 7/10 ?

Name \*

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B5-5M1E



Which of the following is the branch of Artificial Intelligence?

1/1

- ☒ Machine Learning
- ☐ Cyber forensics
- ☐ Full-Stack Developer
- ☐ Network Design

The "Father of Artificial Intelligence" is

1/1

- ☐ Alan Turing
- ☐ Charles babbage
- ☒ John McCarthy
- ☐ None of the above

Which of the following is the common language for Artificial Intelligence?

1/1

- ☐ PHP
- ☒ Python
- ☐ Java
- ☐ Lisp

Who developed Python Programming Language?

1/1

- ☐ Wick van Rossum
- ☒ Guido van Rossum
- ☐ Rasmus Lerdorf
- ☐ Niene Stom

Which type of Programming does Python support?

1/1

- ☐ Object-oriented programming
- ☐ Functional programming
- ☐ Structured programming
- ☒ All of the mentioned

Which of the following is the correct extension of the Python file ?

1/1

- ☒ .py
- ☐ .pl
- ☐ .python
- ☐ .p

What will be the output of the following Python code snippet?

0/1

```
for i in [1, 2, 3, 4][::-1]:  
    print (i)
```

- ☐ 4 3 2 1
- ☐ error
- ☐ 1 2 3 4
- ☒ none of the mentioned

If there are missing values in Categorical column, how do we deal with?

0/1

- ☒ Replace with Mean value
- ☐ Replace with Median
- ☐ Replace with Mode value
- ☐ Replace Quantile value

Which of the following are scaling methods?

1/1

- ☐ Robust scalar
- ☐ Normalization
- ☐ Standardization
- ☒ all of the mentioned

What is the use of the zeros() function in Numpy array in python ?

0/1

- ☐ To make a Matrix with first row 0
- ☐ To make a Matrix with all element 0
- ☐ To make a Matrix with all diagonal element
- ☒ None of the above

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## Artificial Intelligence - Quiz 2

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Which of the following is a branch of statistics?

1/1

- ☐ Descriptive statistics
- ☐ Inferential statistics
- ☐ Industry statistics
- ☒ Both A and B

The runs scored by a batsman in 5 ODIs are 31,97,112, 63, and 12. The mean is

1/1

- ☐ 112
- ☒ 63
- ☐ 97
- ☐ 12

Which of the following is not a visualization under matplotlib

1/1

- ☐ Scatter plot
- ☐ Histogram
- ☐ Box plot
- ☒ Table plot

To handle the null values in your data which method is used?

0/1

- ☒ isnull()
- ☐ isfull()
- ☐ fillna()
- ☐ fullna()

Which of the following sklearn method is used to split the data into training and testing

1/1

- ☐ test\_split()
- ☒ train\_test\_split()
- ☐ test\_train\_split()
- ☐ split\_train\_test()

Which of the following is correct to import the matplotlib library

0/1

- ☐ import plt.matplotlib as plot
- ☒ import plot.matplotlib as pt
- ☐ import [matplotlib.pyplot](#) as plot
- ☐ import matplotlib.pyplot as plt

Which method is used for encoding the categorical variables

1/1

- ☐ One Hot Encoder
- ☐ Category Encoder
- ☐ Label Encoder
- ☒ Both A & C

Which statistical method we can use for replacing missing values for categorical feature

- ☐ Mean
- ☐ Median
- ☐ Mode
- ☒ All of the above

Which function we use to get descriptive statistics for the data

0/1

- ☐ description()
- ☐ describe()
- ☐ statistics()
- ☒ None of the above

Identify the outlier for the given data  
34,23,43,28,56,125,52,40,26,24,37,25

1/1

- ☐ 56
- ☐ 23
- ☒ 125
- ☐ 34

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## Artificial Intelligence - Quiz 3

Total points 4/10



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B5-5M1E



Which method is used to train neural network \*

0/1

- ☒ train()
- ☐ fit()
- ☐ add()
- ☐ compile()

If Dependent Variable is binary which of the following activation function can be applied in output layer \*1/1

- ☐ Softmax
- ☐ Relu
- ☒ Sigmoid
- ☐ None

What is the range of sigmoid function \*

1/1

- ☒ 0 to 1
- ☐ 0 to 10
- ☐ -1 to 1
- ☐ 5 to 10

What is an epoch \*

1/1

- ☒ When the whole training set passed through ANN
- ☐ Forward Propagation
- ☐ Backward Propagation
- ☐ Synonym of Propagation

Which algorithms is used for time series analysis \*

0/1

- ☒ ANN
- ☐ CNN
- ☐ RNN
- ☐ None

When to use Multilayer Perceptrons \*

1/1

- ☐ Image
- ☐ Text
- ☐ Time Series Data
- ☒ All of the above



In a classification problem, which of the following activation function is most widely used in the output layer of neural networks? \*0/1

- ☐ Sigmoid function
- ☒ Rectifier function
- ☐ Hyperbolic function
- ☐ All of the above

Whats does 32 represents in `-->model.add(Convolution2D(32, (3,3),input_shape=(64,64,3),activation="relu"))` \*0/1

- ☒ No of inputs
- ☐ No of Feature Detector
- ☐ No of weights
- ☐ None

For an image classification task, which of the following deep learning algorithm is best suited? \*0/1

- ☒ Recurrent Neural Network
- ☐ Multi-Layer Perceptron
- ☐ Convolution Neural Network
- ☐ All of the above

Which of the following is a correct order for the Convolutional Neural Network operation? \*0/1

- ☐ Convolution -> max pooling -> flattening -> full connection
- ☒ Max pooling -> convolution -> flattening -> full connection
- ☐ Flattening -> max pooling -> convolution -> full connection
- ☐ None

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## Artificial Intelligence - Quiz 4

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Recurrent neural network is suitable for \*

1/1

- ☒ Sequential data
- ☐ non-sequential data
- ☐ both
- ☐ none of the above

LSTM neural network comes under \*

0/1

- ☐ ANN
- ☐ RNN
- ☒ CNN
- ☐ None of the above

what is bag of words in nlp \*

0/1

- ☐ Technique of text modelling
- ☒ Classifies images
- ☐ Voice recognition
- ☐ None of the above

which of the following is an ibm cloud service \*

1/1

- ☐ IBM watson
- ☐ IBM NODRED
- ☐ AUTO-AI
- ☒ ALL

what is the use of NLTK \*

0/1

- ☐ NLTK is a toolkit build for working with NLP
- ☒ NLTK is a toolkit build for working with CNN
- ☐ NLTK is a toolkit build for working with ANN
- ☐ None of the above

For what RNN is used and achieve the best results? \*

1/1

- ☐ Financial predictions
- ☒ Handwriting and speech recognition
- ☐ Speech and images recognition
- ☐ Handwriting and images recognition

RNN remembers each and every information through\_\_\_\_\_. \*

0/1

- ☐ Work
- ☐ Time
- ☐ Hours
- ☒ Memory

\_\_\_\_\_occurs when the gradients become very small and tend towards zero. \* 1/1

- ☐ Exploding Gradients
- ☒ Vanishing Gradients
- ☐ Long Short Term Memory Networks
- ☐ Gated Recurrent Unit Networks.

Flask is a web development framework created in \_\_\_\_\_ language \*

1/1

- ☐ C
- ☒ Python
- ☐ Java
- ☐ Javascript

What is WSGI? \*

1/1

- ☒ Web Server Gateway Interface
- ☐ Web Service Gateway Interface
- ☐ Website Server Gateway Interface
- ☐ Web Static Gateway Interface

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