Python Artificial Intelligence Projects for Beginners

Link Validity Start Date and Time		Cut off Date and Time	
📅 -- --	🕐 -- --	📅 -- --	🕐 -- --

Timezone: GMT+5:30

🕐 60 Min   ⏻ 99 Attempts   🛠 1 Skills

Sections **3** | Total Questions **35**

Applications for Comment Classification
: **9** Questions

Building your own prediction models
: **10** Questions

Deep Learning
: **16** Questions

60% Cut off
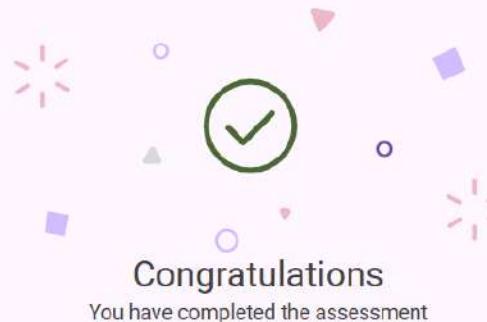
Registration Details

Email *

infosysheadstart_c0:

☐ I am not a robot *

START

Python Artificial Intelligence Projects for Beginners

Congratulations
You have completed the assessment

Total Duration:	01h 00m	Time Utilised:	11m 59s	Average Time Per Question:	20s	Assessment Attempts:	1/99

65.96%

Qualified

62.00/94
Total Score Secured

Question Attempted 35 / 35

25	10

- ■ Correct Answer
- ■ Partially Correct Answer
- ■ Incorrect Answer
- ■ Skipped
- ■ Self Review
- □ Unread

Beginner Questions
23/23 Attempted | 38.00/46 Your Score

Intermediate Questions
12/12 Attempted | 24.00/48 Your Score

Advanced Questions
0/0 Attempted | 0.00/0 Your Score

Section Based Score

applications f...	18.00 / 28	Building your ...	18.00 / 20	Deep Learning	26.00 / 46
64%		90%		56%	

FeedBack

For More Solutions: https://github.com/DevGoyalG/NIET-Infosys-Springboard

Predictive analytics is the same as forecasting.

○ True

◉ False

Which of the following is correct about regularized regression?

- ⦿ Can help with bias trade-off
- ◯ Cannot help with variance trade-off
- ◯ Cannot help with model selection
- ◯ None of the above

Which of the following method can be used to combine different classifiers?

- ⦿ Model stacking
- ○ Model structuring
- ○ Model combining
- ○ Stacking

What is the trend in software nowadays?

- ◉ To bring computer more & more closer to user
- ◯ To be task specific
- ◯ To solve complex problems
- ◯ To be versatile

Identify the function for the given input code:

```
from sklearn import tree
t = tree.DecisionTreeClassifier(criterion="entropy", max_depth=5)
t = t.fit(d_train_att, d_train_pass)
```

○ Shuffle rows

○ save tree

◉ fits a decision tree

○ visualize tree

Which of the following statements is TRUE?

○ Overriding isn't possible in Python

○ A private method in a superclass can be overridden

○ A subclass method can be overridden by the superclass

● A non-private method in a superclass can be overridden

Which of the following consists of multiple of decision tree?

○ Hybrid

◉ Random forest

○ Decision tree

○ Manual forest

Which of these is not a core data type?

- ◯ Tuples
- ◉ Class
- ◯ Lists
- ◯ Dictionary

A decision tree or other technique will exploit the comment classification to build a model for classification. Is it TRUE or FALSE

⦿ True

◯ False

Which of the following is used to assist the quantitative trader in the development?

○ quantmod (selected)

○ mboost

○ quantile

○ quantity

6 Question Type: Multiple Choice Question - (Single Correct Answer) Marks - 2

What is the return type of function id?

- ○ float
- ◉ int
- ○ bool
- ○ dict

Which of the following is not a standard exception in Python?

- ◯ IOError
- ⦿ AssignmentError
- ◯ NameError
- ◯ ValueError

Can Bag of Words model recognize similarity among words like please and plz? Select TRUE or FALSE

○ True

◉ False

Which of the following function can be used for forecasting?

- ⦿ All of the above
- ◯ ets
- ◯ Forecast
- ◯ Predict

Model-based prediction considers a relatively easy version for the covariance matrix.

◉ True

○ False

In order to store values in terms of key and value, we use what core data type?

- (●) Dictionary
- (○) List
- (○) Class
- (○) Tuple

Why do we need biological neural networks?

- ○ To apply heuristic search methods to find solutions of problem
- ◉ All of the above
- ○ To make smart human interactive & user friendly system
- ○ To solve tasks like machine vision & natural language processing

What is plasticity in neural networks?

- (●) Input pattern keeps on changing
- (○) Input pattern has become static
- (○) Output pattern keeps on changing
- (○) Output is static

Sentiment analysis using Deep Learning is a many-to-one prediction task.

◉ True

○ False

What happens in the upper subnet of the hamming network?

- ⦿ Classification
- ○ Output
- ○ None of the above
- ○ Storage

Is it possible to capture the implicit reasoning process by patten classification network?

○ Yes   ● No

○ Maybe   ○ All of the above

_____ calculates the weighted sum of its inputs plus a bias then computes an activation value and send this value to next layer

( ) Neuron

( ) Neural Network

( ) Feed

( ) Batch

In control applications, how many ways are there to control a plant?

- ◉ 1
- ○ 2
- ○ 4
- ○ 3

Is it possible to capture the implicit reasoning process by pattern classification network?

○ No

○ All of the above

◉ Yes

○ Maybe

How many synaptic connections are there in the human brain?

- ○ 1010
- ○ 2000
- ○ 2500
- ● 1015

Which of the following would have a constant input in each epoch of training a Deep Learning model?

○ Weight between hidden and output layer

○ Weight between input and hidden layer

◉ The activation function of the output layer.

○ Biases of all hidden layer neurons

What is true about single layer associative neural networks?

- ⦿ performs pattern recognition
- ◯ None of the above
- ◯ can determine whether two or more shapes in a picture are connected or not
- ◯ can find the parity of a picture

In which of the following applications can we use deep learning to solve the problem?

○ Protein structure prediction

○ Prediction of chemical reactions

◉ All of the above

○ Detection of exotic particles

Dropout can be applied at the visible layer of the Neural Network model?

○ True

◉ False

Which of the following function provides unsupervised prediction?

○ None of the above

○ cl_precast

⦿ cl_forecast

○ cl_nowcast

Which of the following is not an exception handling keyword in Python?

○ finally

○ except

○ try

◉ accept

Which of the following is a standard exception in Python?

- ○ NameError
- ● All of the above
- ○ IOError
- ○ ValueError

How can optimization be applied in images?

By use of simulated annealing

By attaching a feedback network

None of the above

By adding an additional hidden layer

What is not plasticity in neural networks?

- ◉ Input pattern has become static
- ○ Output is static
- ○ Output pattern keeps on changing
- ○ All of the above

Why can't we design a perfect neural network?

○ Full operation is still not known of biological neurons

○ Number of interconnection is very large & is very complex

● All of the above

○ Number of neuron is itself not precisely known