

Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage

Obtained Marks

91.67 %

11 / 12

Best Attempt Score:91.67 % on 22-03-2025

[Review Your Attempt](#)

What will be the output of the below code ?

```
import numpy as np
```

```
a = np.array([1,5,9,4,0,21,3,6,8,0])
```

```
b = np.array([0,5,0,4,7,20,2,6,0,8])
```

```
print(np.where(a==b))
```

- ☐ (array([2, 4, 8], dtype=int64),)
- ☒ (array([1, 3, 7], dtype=int64),)
- ☐ (array([1., 3., 7.], dtype=float64),)
- ☐ (array([2., 4., 8.], dtype=float64),)

State if the given sentence is True or False:

Data in a json file format cannot be imported into Pandas DataFrame.

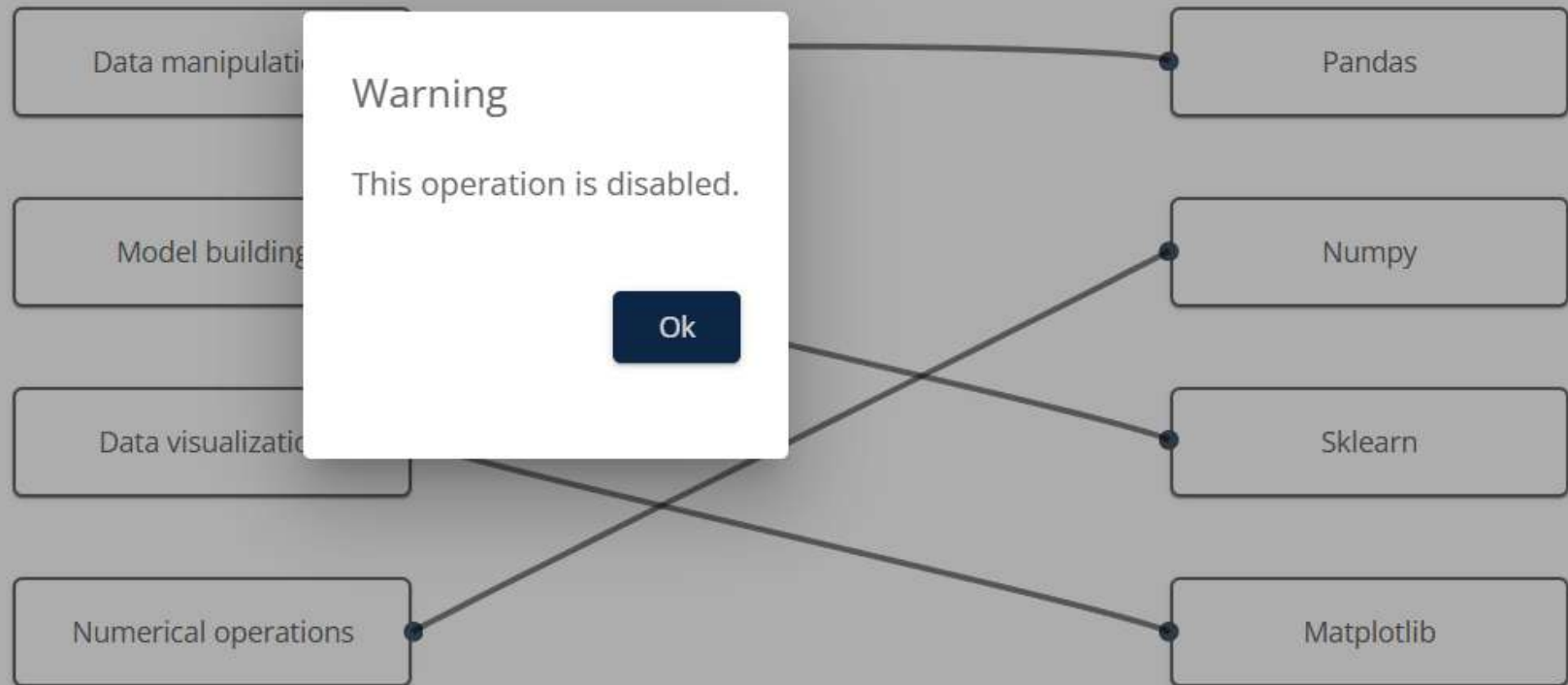
☐ True

☒ False

Warning

This operation is

Match the following:



State True or False:

The following is an example of Numpy vectorized operation.

```
arr1 = np.array([1, 2, 3, 4, 5])  
arr2 = np.array([6, 7, 8, 9, 10])  
for i in range(len(arr1)):  
    print(arr1[i] + arr2[i])
```

☐ True

☒ False

Warning

This oper

Which of the following libraries can be utilised to evaluate a machine learning model's performance?

- ☐ sklearn.model_selection
- ☒ sklearn.metrics
- ☐ sklearn.preprocessing
- ☐ sklearn.linear_model

Warning

This operation is disabled.

Consider the following array-

```
import numpy as np
```

```
arr = np.array([[23,93, 73],  
                [67, 127, 37],  
                [4, 54, 84]])
```

Which of the following codes will give an output array of shape (3,3)?

- ☒ `np.add(arr, np.array([[7],[3],[6]]))`
- ☐ `np.add(arr, np.array([7],[3],[6]))`
- ☐ `np.add(arr, np.array([7,3,6]))`

Warning

This operation is disabled.

Ok

Alex has the data of a pizza delivery shop, which has the details of the orders that contains two attributes - number of pizzas and time taken to deliver. Suggest him a suitable plot for this data to gain insights effectively.

- ☐ Box plot
- ☐ Pie chart
- ☐ Bar graph
- ☒ Scatter plot

Warning

This operation is disabled.

What will be the shape of arr3 when the following code is executed?

```
arr1 = np.array([[1,2,3],  
                [4,5,6],  
                [7,8,9]])  
arr2 = np.array([10,11,12])  
arr3 = arr1 + arr2
```

☐ 3x1

☐ 1x3

☒ 3x3

☐ 4x3

Warning

This operation i

State if the given sentence is True or False:

A DataFrame is a collection of series where each series represents a column from a table.

- ☒ True
- ☐ False

Warning

This operation is disabled.

What is the shape of the following array?

```
import numpy as np
```

```
arr = np.array([[2,1],[3,7],[0,9]])
```

☐ (2,3)

☐ (6,)

☐ (6,3)

☒ (3,2)

Bob is working in a stock market prediction company and wants to present the stock values of a particular company for the past 30 days to a client. If he has all the required data, which of the following would be the best suited plot?

- ☐ Box plot
- ☐ Histogram
- ☐ Bar chart
- ☒ Line chart

Warning

This operation is disabled.

State if the given sentence is True or False:

Matplotlib.pyplot cannot be used to display 3D plots

☐ True

☒ False