

Quiz 1.4 | Numpy Basics

Due	No due date	Points	5	Questions	5	Time Limit	None
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Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3,259 minutes	4 out of 5

Score for this quiz: **4** out of 5
Submitted Aug 25 at 12:16am
This attempt took 3,259 minutes.

Question 1

1 / 1 pts

Consider a numpy array X:

```
array([[ 2,  4,  6],  
       [ 8, 10, 12]])
```

What is the output of the following command: `X * 2`

☐ `array([[1 2 3 1 2 3] [4 5 6 4 5 6]])`

☐ `array([[2 4 6] [4 5 6]])`

☐ `array([[1 2 3] [8 10 12]])`

☒ `array([[4 8 12] [16 20 24]])`

Correct!

Question 2

1 / 1 pts

Consider a numpy array X:

```
array([1, 3, 5])
```

What is the output of the following command?

```
X > 3
```

Correct!

☒ array([False, False, True])

☐ array([5])

☐ True

☐ 5

Question 3

1 / 1 pts

Consider a numpy array X:

```
array([1, 3, 5])
```

What is the output of the following command?

```
(X > 1).sum()
```

☐ array([2])

☐ 8

☐ array([8])

Correct!

☒ 2

Question 4

0 / 1 pts

Consider a array X:

```
array([[0, 1, 2],  
       [3, 4, 5],  
       [6, 7, 8],  
       [9, 10, 11],  
       [12, 13, 14]])
```

Which of the following command(s) gives the minimum of each column?

Correct Answer

You Answered

☐ X.min(axis=0)

☒ X.min(axis=1)

☐ X.min()

☐ None of the above

Question 5

1 / 1 pts

Consider a numpy array X as:

```
array([2, 1, 5, 3, 4])
```

Which of the following would be given the index of the maximum element of the array?

☐ X.max()

Correct!

☒ X.argmax()

Correct!

☒ X.argmax()

☐ X.argsort()[0]

Quiz Score: **4** out of 5