

Quiz - NumPy

Total points 24/25

Email *

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✓ What is a correct syntax to print the first item of an array? * 1/1

- ☒ print(myArr[0]) ✓
- ☐ print(myArr, 1)
- ☐ print(myArr[1])

✓ What is a correct method to round decimals in NumPy? * 1/1

- ☐ np.trunc()
- ☐ np.around()
- ☐ np.fix()
- ☒ All the other 3 are rounding methods in NumPy ✓



✗ What is a correct syntax to print the numbers [3, 4, 5] from the array below: *0/1

`arr = np.array([1,2,3,4,5,6,7])`

☐ `print(arr[2:6])`

☐ `print(arr[2:5])`

☐ `print(arr[3:6])`

☒ `print(arr[2:4])` ✗

Correct answer

☒ `print(arr[2:5])`

✓ Which syntax would print the last 4 numbers from the array below: * 1/1

`arr = np.array([1,2,3,4,5,6,7])`

☐ `print(arr[4])`

☐ `print(arr[4:])`

☐ `print(arr[:4])`

☒ `print(arr[3:])` ✓

✓ What is a correct method to join two or more arrays? * 1/1

☐ `array_join()`

☒ `concatenate()` ✓

☐ `join()`



✓ In NumPy, what does the SHAPE of an array mean? *

1/1

☒ The SHAPE is the number of elements in each dimension. ✓

☐ The SHAPE is the number of columns.

☐ The SHAPE is the number of rows.

✓ Only one of the following statements is True when it comes to Views in NumPy, which one? *1/1

☐ The view SHOULD NOT be affected by the changes made to the original array.

☒ The view SHOULD be affected by the changes made to the original array. ✓

✓ When using the NumPy random module, how can you return a random number from 0 to 100? *1/1

☒ `random.randint(100)` ✓

☐ `random.rand()`

☐ `random.rand(100)`

✓ What is a correct syntax to mathematically add the number of arr1 to the numbers of arr2? *1/1

☒ `np.add(arr1, arr2)` ✓

☐ `sum(arr1, arr2)`

☐ `np.append(arr1, arr2)`



✓ What would be the answer of this cummulative summation in NumPy? * 1/1

```
arr = np.array([1,2,3])  
print(np.cumsum(arr))
```

☐ [3 6 9]

☐ [6]

☐ [9]

☒ [1 3 6]



✓ What is a correct syntax to subtract the numbers from arr1 with the numbers from arr2? *1/1

☒ np.subtract(arr1, arr2)

☐ np.minus(arr1, arr2)

☐ np.sub(arr1, arr2)

☐ np.min(arr1, arr2)



✓ Only one of the following statements is True when it comes to Copies in NumPy, which one? *1/1

☐ The copy SHOULD be affected by the changes made to the original array.

☒ The copy SHOULD NOT be affected by the changes made to the original array.



✓ What is a correct method to search for a certain value in an array? * 1/1

- ☒ where() ✓
- ☐ find()
- ☐ search()

✓ When using the NumPy random module, how can you return a Normal Data Distribution with 100 numbers, concentrated around the number 50, with a standard deviation of 0.2? *1/1

- ☐ random.normal(size=1000, mean=50, deviation=0.2)
- ☒ random.normal(size=1000, normal=50, scale=0.2) ✓
- ☐ random.normal(size=1000, normal=50, s=0.2)

✓ What is a correct syntax to return the index of all items that has the value 4 from the array below: *1/1

`arr = np.array([1,4,3,4,5,4,4])` ?

- ☐ arr.where()
- ☐ arr.search(4)
- ☒ np.where(arr==4) ✓



✓ Which syntax would print every other item from the array below: * 1/1

`arr = np.array([1,2,3,4,5,6,7])`

- ☒ `print(arr[::2])` ✓
- ☐ `print(arr[1:3:5:7])`
- ☐ `print(arr(0: step = 2))`

✓ What is correct syntax to create an array of type float? * 1/1

- ☐ `arr = np.array([1, 2, 3, 4]).toFloat()`
- ☐ `arr = np.float([1, 2, 3, 4])`
- ☒ `arr = np.array([1, 2, 3, 4], dtype='f')` ✓

✓ What is corecrct method to split arrays? * 1/1

- ☐ All the other 3 answers are correct
- ☐ `hstack()`
- ☐ `vstack()`
- ☒ `array_split()` ✓



✓ What is a correct method to sort the elements of an array? *

1/1

☐ ordeby()

☒ sort()



☐ order()

✓ What is a corerct syntax to check the data type of an array? *

1/1

☒ arr.dtype



☐ arr.datatype

☐ arr.type

☐ arr.ntyte

✓ Wt is a correct syntax to check the number of dimensions in an array? *

1/1

☐ arr.ndim()

☐ arr.dim

☐ arr.dim()

☒ arr.ndim



✓ Which of the following arrays is a two dimensional (2-D) array? *

1/1

- ☐ [1, 2, 3, 4, 5]
- ☐ 43
- ☒ [[1, 2, 3], [4, 5, 6]] ✓

✓ What is a correct syntax to create a NumPy array? *

1/1

- ☐ np.createArray([1, 2, 3, 4, 5])
- ☒ np.array([1, 2, 3, 4, 5]) ✓
- ☐ np.object([1, 2, 3, 4, 5])

✓ What is a correct syntax to print the number 8 from the array below: *

1/1

`arr = np.array([[1, 2, 3, 4, 5], [6, 7, 8, 9, 10]])`

- ☐ print(arr[7, 2])
- ☐ print(arr[3, 0])
- ☒ print(arr[1, 2]) ✓

✓ What is a correct syntax to return the shape of an array? *

1/1

- ☐ arr.shape()
- ☒ arr.shape ✓
- ☐ shape(arr)



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