Quiz 2: Analytics with NDArray

Total points 5/5

Due on Friday, Jan 27th, 2023 at 11:59pm.

The respondent's email (**farees.siddiqui@ontariotechu.net**) was recorded on submission of this form.

✓ Suppose x.shape is (3,4). What is the shape of x.sum()? 1/1

- ○ (3,)
- ○ (4,)
- ◉ () ✓

✓ Suppose x.shape is (3,4). What is the shape of x.sum(axis=0)? 1/1

- ○ (3,)
- ◉ (4,) ✓
- ○ ()

✓ Suppose x.shape is (3,4). What is the shape of x.sum(axis=1)? 1/1

- ◉ (3,) ✓
- ○ (4,)
- ○ ()

✓ Suppose x is a NDArray as follows. 1/1

```
x = np.array([
   [ [0, 1] ],
   [ [1, 2] ],
   [ [3, 2] ]
])
```

Which of the following aggregation will result in computing the maximum of each inner array? Namely, the result should be:

array([1, 2, 3])

- ○ x.max(axis=0)
- ○ x.max(axis=-1)
- ◉ x.max(axis=-1).max(axis=-1)

✓ Let x be a vector stored as a NDArray with one axis. 1/1

Which of the following is equivalent to the following?

numpy.min(x)

- ○ x.argmin()
- ◉ x[x.argmin()]
- ○ x[-1]