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10.2.5 Reshaping, slicing, and views and copies with NumPy

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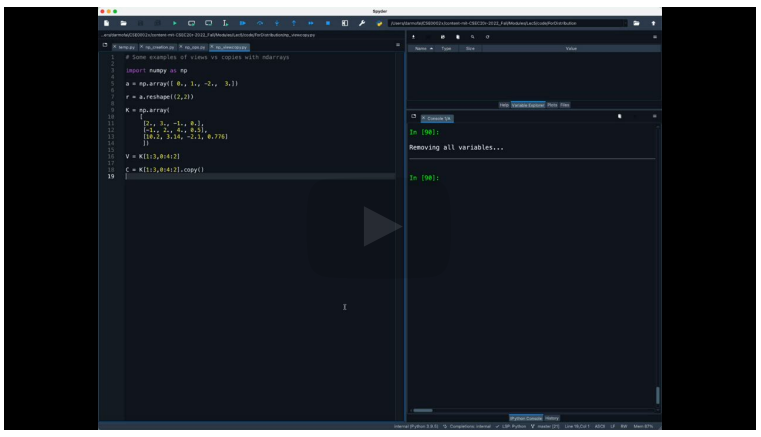
MO2.3

ndarrays can be sliced using the same `[start:stop:step]` that regular Python lists use. However, for multi-dimensional ndarrays, a better option of slicing exists. Further, unlike regular Python lists, a slice of a ndarray does not produce a new copy of the original ndarray. Rather, the resulting slice still points to the original data in the original ndarray. If a copy is desired, then an explicit copy method most be called. The following video demonstrates these concepts. The Python code we are using in this video is available in the following zip file.

Video on NumPy reshaping, slicing, and views and copies



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PROFESSOR: NumPy arrays can be sliced in a similar way

to the way lists can be in regular Python.

There are a couple of differences to be aware of,

in including a more

Video

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