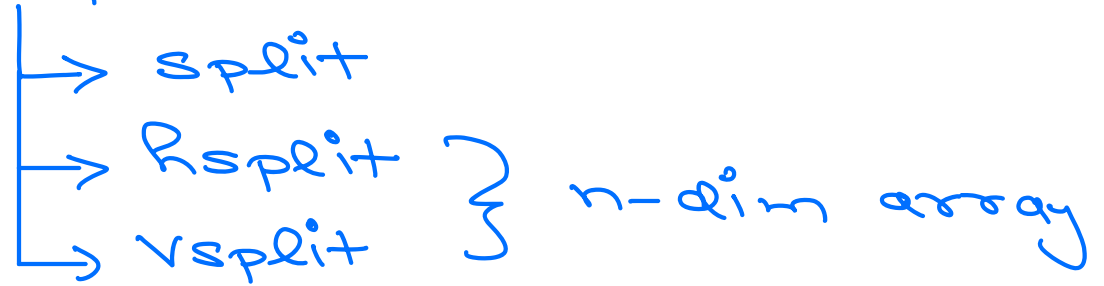


Agenda

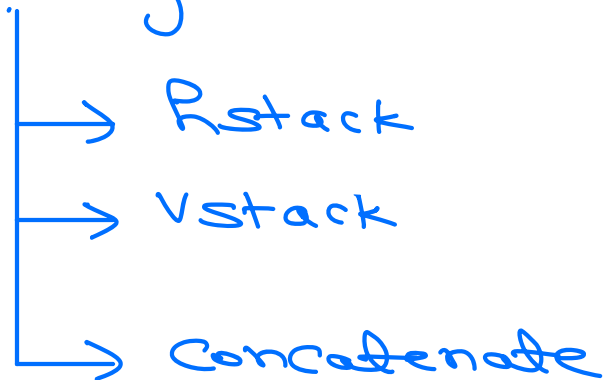
① Shallow vs Deepcopy

② View() → shallow copy

③ Array Split

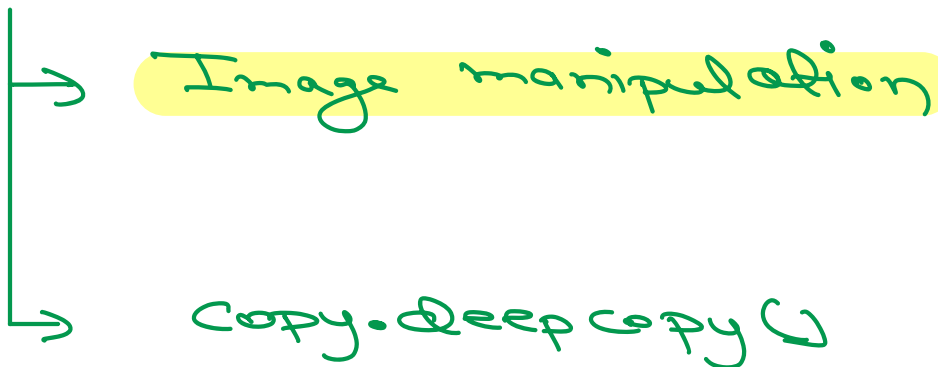


④ Array Stacking



(post-read)

★ Use-Case

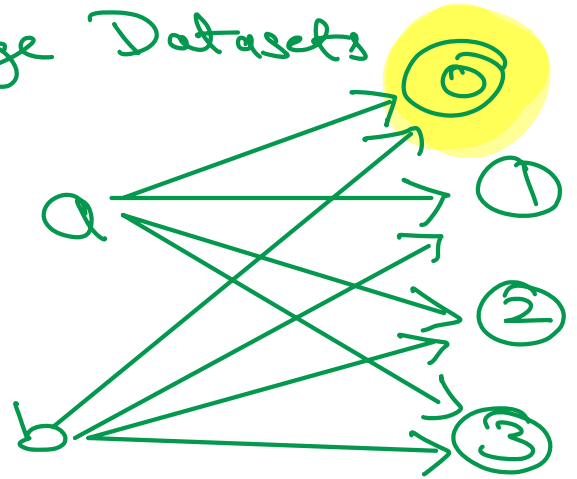


Shallow vs Deepcopy

Shallow copy \rightarrow reshape

memory Efficient

Useful in large Datasets



Deepcopy (arithmetic Ops)

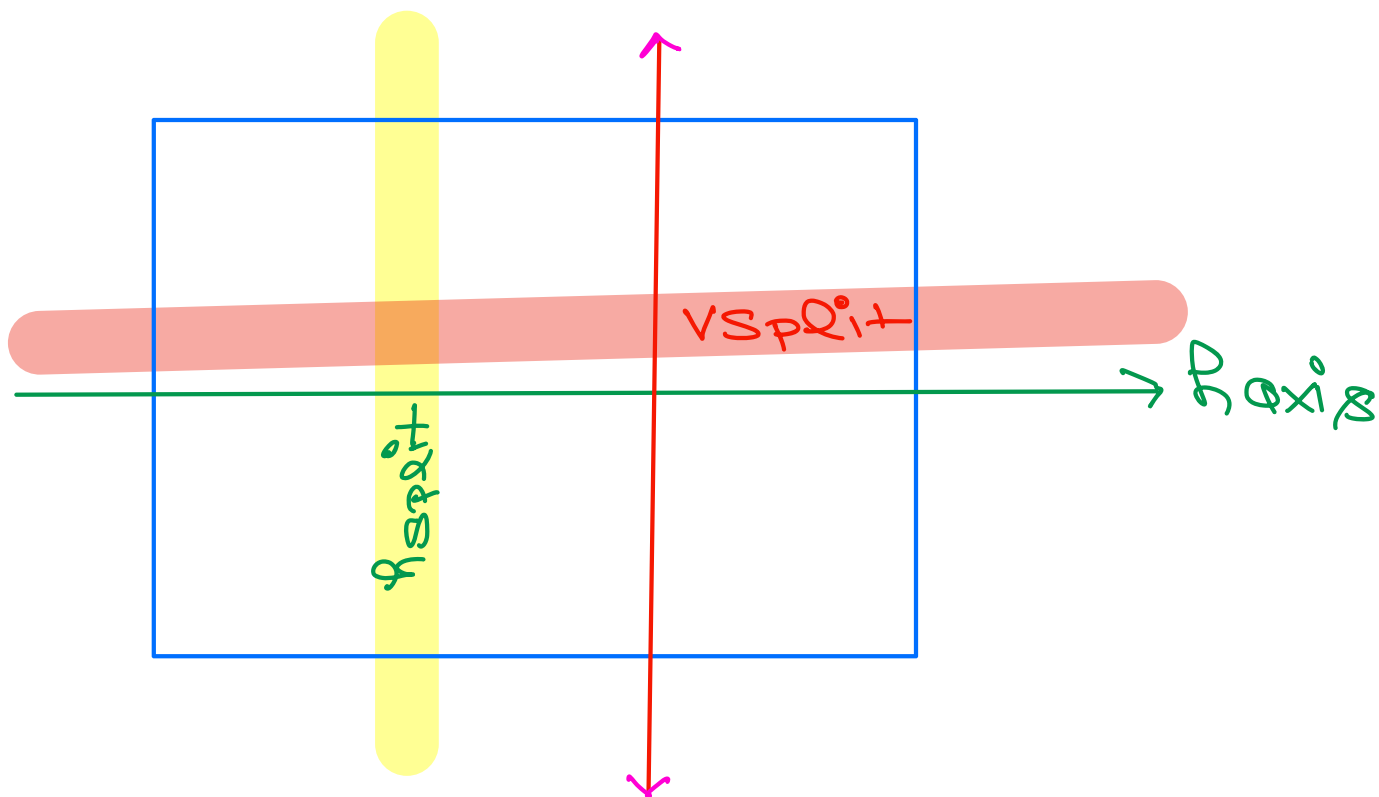
a new independent copy of Data is created

each copy will be created in different memory Locs

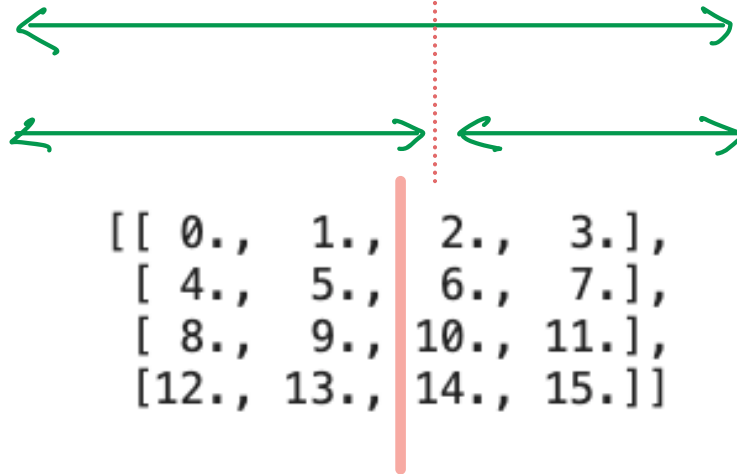
Numpy

prefers shallow copy for simple ops such as reshaping

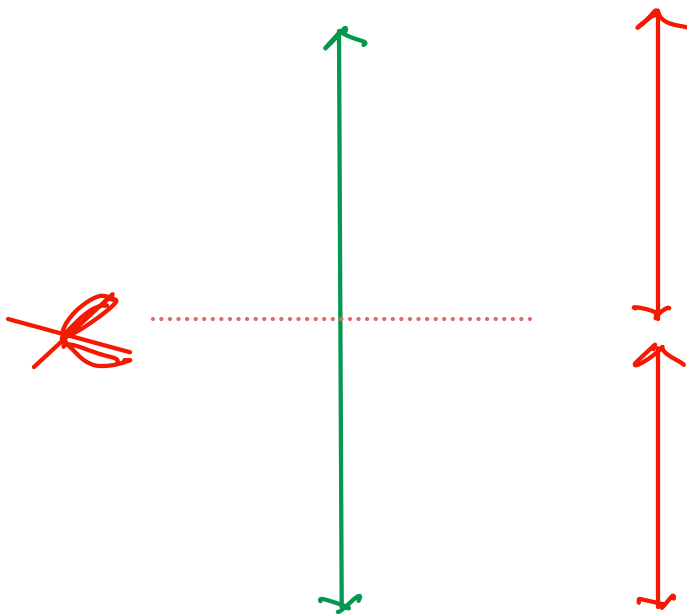
Complex ops create a deep copy



① `hsplit` & Columnwise Split



② `vsplit` : row-wise split



```
[[ 0.,  1.,  2.,  3.],  
 [ 4.,  5.,  6.,  7.],  
 [ 8.,  9., 10., 11.],  
 [12., 13., 14., 15.]]
```