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| --- | --- |
| NumPy | |
| np.\_\_version\_\_ | check version of NumPy |
| array([data\_list],dtype=’data\_type’) |  |
| copy() | copy data; if we want to use data on different variable it will point to that data and all changes will be on original dataset; to work “safety” we need to copy data |
| reshape() | Change the shape of the array; i.e. from one row to one column |
| newaxis() | Is doing something with reshape() but I don’t understand what |
| concatenate([array1,array2,array3,…], axis=0/1) | Joining arrays; axis -> on which axis -> like join or like union |
| vstack()  hstack() | Vertical stack; horizontal stack; for working with arrays of mixed dimensions |
| np.split(data, [splitingpoint1,splitingpoint2,…])  np.hsplit  np.vsplit | Splitting arrays; splitting points splits arrays in indicated place, so if there is 1 spliting point then there will be 2 new arrays, i.e.  x = [1, 2, 3, 99, 99, 3, 2, 1]  x1, x2, x3 = np.split(x, [3, 5])  [1 2 3] [99 99] [3 2 1] |
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