numpy_array_management_workbook

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1 NUMPY ARRAY MANAGEMENT WORKBOOK

Have a go at the following questions to practice your new found skills.

If you have any questions, go back to the course videos and have another look. One version of the answers is available in the next download. Remember, there are different ways to write code to get the same answer, so your answer can be correct and different to the answer example!

If you feel stuck and want some in person help, then have a look at the events page to join in a workshop https://swamphen.co.uk/events.

```
In [1]: # import NumPy
In [2]: # create an array of floats 6 rows 5 columns
In [3]: # extract a sub array of the four numbers in the bottom right of the array
In [4]: # change the top left element to be 10
In [5]: # check that has changed in the original array
In [6]: # change the elemenet back to the original value in the original array
In [7]: # reshape the array to 5 rows 6 columns
In [8]: # reshape this new array to another shape that will work!
In [9]: # make a copy of the first row of this reshaped array
In [10]: # change these array values to all being 12
In [11]: # make a copy of the last two rows of this reshaped array
In [12]: # stack these 3 arrays vertically
In [13]: # split the array equally horizontally and give them each variable names
In [14]: # select the last row of the bottom array created above
In [15]: # create a filter for values less than 0.5
In [16]: # apply the filter to your array
```