

# pandas\_combining\_data\_frames\_workbook

September 22, 2020

## 1 PANDAS COMBINING DATA FRAMES 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 and pandas
```

```
In [2]: # make a 3 by 3 test array
```

```
In [1]: # append a copy of this array to the bottom of this array  
# i.e. extend the columns  
# give it a new name
```

```
In [2]: # if you haven't done so already sort out the indexes
```

```
In [3]: # add this new data frame to itself on the right hand side  
# i.e. extend the rows  
# give it a new name
```

```
In [4]: # change the column titles to ABCDEF
```

```
In [5]: # add the first data frame you made to the bottom of this latest  
# data frame, which is 4 copies of the original  
# give it a new name
```

```
In [6]: # create a new data frame to append to the end of this latest data frame  
# where the values will only be in columns D to F  
# give it as many rows as you want to
```