

python_column_manipulation_workbook

September 22, 2020

1 PYTHON COLUMN MANIPULATION 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 [ ]: # import pandas

In [ ]: # read in data from
        # https://vincentarelbundock.github.io/Rdatasets/csv/DAAG/frogs.csv
        # information at https://vincentarelbundock.github.io/Rdatasets/doc/DAAG/frogs.html

In [ ]: # print the tail

In [ ]: # remove the first column which is just a list of numbers

In [ ]: # print the tail to check

In [ ]: # change the title NoOfPools and NoOfSites to snake case

In [ ]: # print the header to check

In [ ]: # create a new column that is an average of the means

In [ ]: # print the header to check

In [ ]: # remove the meanmin and meanmax

In [ ]: # print the tail to check

In [ ]: # plot the average rainfall as a line graph

In [ ]: # calculate the average rainfall from all the sites

In [ ]: # plot a straight line at the value of the average on the graph

In [ ]: # are there any anomalous results

        # one very high, a few low values
```