

# python\_functions\_real\_data\_practice

September 18, 2020

## 1 PYTHON FUNCTIONS REAL DATA PRACTICE

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 video. 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>.

## 2 DOWNLOAD DATA SET

```
In [ ]: from google.colab import files
        uploaded = files.upload()
```

```
In [ ]: import csv
        with open('iris.csv') as data:
            reader = csv.reader(data)
            my_list = list(reader)

        print(my_list)
```

## 3 CHANGE TO FLOATS

```
In [ ]: # change the float values represented as strings to a float using a function
```

## 4 ANALYSIS

```
In [ ]: # write a function to select all of a variable type over 5
        # write it so it can be sepal or petal length or width
```

```
In [ ]: # write a function to select the values based on iris type
        # save all the values to a new list
```

```
In [ ]: # write a function to calculate the average of the
        # values for a specified type of iris. You should be able to do this for
        # all iris types
```

```
In [ ]: # write a function to find out which value is the highest in each of the  
        # iris's measured
```