

pandas_data_manipulation_workbook

September 22, 2020

1 PANDAS DATA 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 [ ]: # import data directly from web link
        # https://vincentarelbundock.github.io/Rdatasets/csv/carData/Greene.csv
        # information at
        # https://vincentarelbundock.github.io/Rdatasets/doc/carData/Greene.html
```

```
In [ ]: # print out the head
```

```
In [ ]: # print rows 8 to 12
```

```
In [ ]: # print out the last column only
```

```
In [ ]: # select columns language and location, rows 10 to 15
```

```
In [ ]: # pick a location from the list above and select all the data at this location
```

```
In [ ]: # use this to filter the whole pandas data frame
```

```
In [ ]: # how many cases were in your chosen city?
```

```
In [ ]: # sort the entire pandas data frame on language
```

```
In [ ]: # sort the pandas data frame on language then location
```

```
In [ ]: # are there locations that speak more than one language?
```

```
In [ ]: # find out the rows that hav Somalia in them
```