

Converting SKLEARN utils.Bunch To pd.Dataframe

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When using sklearn embedded datasets they "type" of the set will be .utils.Bunch, this will make working with the set difficult. So it is a good idea to convert it to a pd.Dataframe so you can use Pandas.

```
In [1]: from sklearn import datasets
  import pandas as pd

In [2]: iris = datasets.load_iris()

In [18]: type(iris)
Out[18]: sklearn.utils.Bunch
```

The type(iris) tell us that the data is a sklean.utils.Bunch and will be presented in the above image.

147

148

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```
In [19]: | df = pd.DataFrame(data=iris.data,
                                  columns=iris.feature names)
In [20]: df.head()
Out[20]:
               sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)
            0
                            5.1
                                             3.5
                                                               1.4
                                                                                0.2
            1
                            4.9
                                             3.0
                                                               1.4
                                                                                0.2
            2
                            4.7
                                             3.2
                                                               1.3
                                                                                0.2
            3
                            4.6
                                             3.1
                                                               1.5
                                                                                0.2
                            5.0
                                             3.6
                                                               1.4
                                                                                0.2
In [21]:
           df.tail()
Out[21]:
                 sepal length (cm)
                                   sepal width (cm)
                                                    petal length (cm)
                                                                      petal width (cm)
            145
                               6.7
                                                3.0
                                                                 5.2
                                                                                  2.3
            146
                                                2.5
                                                                 5.0
                                                                                  1.9
                               6.3
```

3.0

3.4

3.0

6.5

6.2

5.9

5.2

5.4

5.1

2.0

2.3

1.8

memory usage: 4.8 KB