AWS_Lab3.1

October 14, 2024

Andrew Badzioch - AWS Academy - Lab 3.1 # Importing the data

[1]:
```
import warnings, requests, zipfile, io
warnings.simplefilter('ignore')
import pandas as pd
from scipy.io import arff
```

[2]:
```
f_zip = 'http://archive.ics.uci.edu/ml/machine-learning-databases/00212/
 ↪vertebral_column_data.zip'
r = requests.get(f_zip, stream=True)
Vertebral_zip = zipfile.ZipFile(io.BytesIO(r.content))
Vertebral_zip.extractall()
```

[3]:
```
data = arff.loadarff('column_2C_weka.arff')
df = pd.DataFrame(data[0])
df.head()
```

[3]:

	pelvic_incidence	pelvic_tilt	lumbar_lordosis_angle	sacral_slope	\
0	63.027817	22.552586	39.609117	40.475232	
1	39.056951	10.060991	25.015378	28.995960	
2	68.832021	22.218482	50.092194	46.613539	
3	69.297008	24.652878	44.311238	44.644130	
4	49.712859	9.652075	28.317406	40.060784	

	pelvic_radius	degree_spondylolisthesis	class
0	98.672917	-0.254400	b'Abnormal'
1	114.405425	4.564259	b'Abnormal'
2	105.985135	-3.530317	b'Abnormal'
3	101.868495	11.211523	b'Abnormal'
4	108.168725	7.918501	b'Abnormal'

[ ]:
```

```