assignment

August 30, 2023

Task 1

[13]:
```
import pandas as pd

data = {'Feature 1': [1.2, 2.3, 3.4, 4.5],
        'Feature 2': [5.6, 6.7, 7.8, 8.9],
        'Feature 3': [9.0, 10.1, 11.2, 12.3],
        'Feature 4': [13.4, 14.5, 15.6, 16.7]}
df = pd.DataFrame(data)
```

task 2

[14]:
```
df = df.rename(columns={'Feature 1': 'Random value 1', 'Feature 2': 'Random␣
↪value 2', 'Feature 3': 'Random value 3', 'Feature 4': 'Random value 4'})
```

task 3

[15]:
```
statistics = df.describe()
statistics
```

[15]:

	Random value 1	Random value 2	Random value 3	Random value 4
count	4.000000	4.000000	4.000000	4.000000
mean	2.850000	7.250000	10.650000	15.050000
std	1.420094	1.420094	1.420094	1.420094
min	1.200000	5.600000	9.000000	13.400000
25%	2.025000	6.425000	9.825000	14.225000
50%	2.850000	7.250000	10.650000	15.050000
75%	3.675000	8.075000	11.475000	15.875000
max	4.500000	8.900000	12.300000	16.700000

task 4

[16]:
```
null_values = df.isnull().sum()
```

task 5

[17]:
```
df.loc[:, ['Random value 2', 'Random value 3']]

df.iloc[:, [1, 2]]
```

[17]:

	Random value 2	Random value 3
0	5.6	9.0
1	6.7	10.1
2	7.8	11.2
3	8.9	12.3