

Martyna Wolny 408196

Zadanie 4

W ćwiczeniu 4 naszym zadaniem było utworzenie dataframe oraz uzupełnienie go przykładowymi danymi i wyświetlenie danych według instrukcji.

```
[1] import numpy as np
import matplotlib
import matplotlib.pyplot as plt
import pandas as pd
```

✓ 5.5s Python

```
[4] data = {
    'name' : ['Miriam', 'Alia', 'Elliot', 'Jerome', 'Ember'],
    'surname' : ['Merril', 'Wardle', 'Small', 'Atkins', 'Whitley'],
    'age' : [25, 18, 47, 78, 36],
    'sex' : ['K', 'K', 'M', 'M', 'K']
}

data_frame = pd.DataFrame(data)
```

✓ 0.5s Python

```
[5] data_frame.info()
```

✓ 0.1s Python

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Code

Markdown

Run All

Clear Outputs of All Cells

Restart

Interrupt

Variables

Outline

...

Python 3.9.0 64-bit

```

}

data_frame = pd.DataFrame(data)

```

[4] ✓ 0.5s Python

```

data_frame.info()

```

[5] ✓ 0.1s Python

```

... <class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 4 columns):
 #   Column  Non-Null Count  Dtype
---  -
 0    name    5 non-null      object
 1  surname  5 non-null      object
 2    age     5 non-null      int64
 3    sex     5 non-null      object
dtypes: int64(1), object(3)
memory usage: 288.0+ bytes

```

```

data_frame.describe(include='all')

```

[7] ✓ 0.1s Python

```

...

```

	name	surname	age	sex
count	5	5	5.000000	5
unique	5	5	NaN	2



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Python 3.9.0 64-bit

atypes: int64(1), object(3)
memory usage: 288.0+ bytes

[7] ✓ 0.1s Python

...

	name	surname	age	sex
count	5	5	5.000000	5
unique	5	5	NaN	2
top	Miriam	Merril	NaN	K
freq	1	1	NaN	3
mean	NaN	NaN	40.800000	NaN
std	NaN	NaN	23.530831	NaN
min	NaN	NaN	18.000000	NaN
25%	NaN	NaN	25.000000	NaN
50%	NaN	NaN	36.000000	NaN
75%	NaN	NaN	47.000000	NaN
max	NaN	NaN	78.000000	NaN

[8] ✓ 0.7s Python

... name surname age sex

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mean	NaN	NaN	40.800000	NaN
std	NaN	NaN	23.530831	NaN
min	NaN	NaN	18.000000	NaN
25%	NaN	NaN	25.000000	NaN
50%	NaN	NaN	36.000000	NaN
75%	NaN	NaN	47.000000	NaN
max	NaN	NaN	78.000000	NaN

```
[8]: data_frame.head(n=3)
```

✓ 0.7s Python

...

	name	surname	age	sex
0	Miriam	Merril	25	K
1	Alia	Wardle	18	K
2	Elliot	Small	47	M

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