```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
data = np.random.rand(4, 4)
df = pd.DataFrame(data, columns=['f1', 'f2', 'f3', 'f4'])
df
```

	f1	f2	f3	f4
0	0.791008	0.552509	0.687446	0.454646
1	0.740544	0.819807	0.248107	0.471340
2	0.576727	0.064708	0.605844	0.876257
3	0.849837	0.753231	0.647701	0.593607

```
df.columns = ['Random value 1', 'Random value 2', 'Random value 3', 'Random value 4']
df
```

	Random value 1	Random value 2	Random value 3	Random value 4
0	0.791008	0.552509	0.687446	0.454646
1	0.740544	0.819807	0.248107	0.471340
2	0.576727	0.064708	0.605844	0.876257
3	0.849837	0.753231	0.647701	0.593607

```
df.describe()
```

	Random value 1	Random value 2	Random value 3	Random value 4
count	4.000000	4.000000	4.000000	4.000000
mean	0.739529	0.547564	0.547274	0.598962
std	0.117365	0.341365	0.202209	0.194966
min	0.576727	0.064708	0.248107	0.454646
25%	0.699590	0.430559	0.516409	0.467166
50%	0.765776	0.652870	0.626772	0.532473
75%	0.805715	0.769875	0.657637	0.664270
max	0.849837	0.819807	0.687446	0.876257

```
df.isnull()
```

	Random value 1	Random value 2	Random value 3	Random value 4
0	False	False	False	False
1	False	False	False	False
2	False	False	False	False
3	False	False	False	False

```
df.isnull().sum()
```

```
Random value 1    0
Random value 2    0
Random value 3    0
Random value 4    0
dtype: int64
```

```
df.dtypes
```

```
Random value 1    float64
Random value 2    float64
Random value 3    float64
```

```
Random value 4    float64
dtype: object
```

```
df[['Random value 2', 'Random value 3']]
```

	Random value 2	Random value 3
0	0.552509	0.687446
1	0.819807	0.248107
2	0.064708	0.605844
3	0.753231	0.647701

```
df.iloc[:, 1:3]
```

	Random value 2	Random value 3
0	0.552509	0.687446
1	0.819807	0.248107
2	0.064708	0.605844
3	0.753231	0.647701