

```
In [1]: import numpy as np
import pandas as pd
```

```
In [4]: from sklearn.neighbors import KNeighborsClassifier
```

```
In [8]: S = pd.read_csv('H:\caesarian.csv')
X = S.values[:,0:5]
y = S.values[:,5]
```

```
In [11]: S
```

```
Out[11]:
```

	Usia	Kelahiran_ke-	Waktu_Kelahiran	Tekanan_darah	Kelainan_jantung	Caesarian
0	22	1	0	2	0	0
1	26	2	0	1	0	1
2	26	2	1	1	0	0
3	28	1	0	2	0	0
4	22	2	0	1	0	1
...
75	27	2	1	1	0	0
76	33	4	0	1	0	1
77	29	2	1	2	0	1
78	25	1	2	0	0	1
79	24	2	2	1	0	0

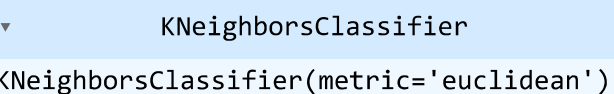
80 rows × 6 columns

```
In [10]: S.values
```

```
Out[10]: array([[22, 1, 0, 2, 0, 0],
 [26, 2, 0, 1, 0, 1],
 [26, 2, 1, 1, 0, 0],
 [28, 1, 0, 2, 0, 0],
 [22, 2, 0, 1, 0, 1],
 [26, 1, 1, 0, 0, 0],
 [27, 2, 0, 1, 0, 0],
 [32, 3, 0, 1, 0, 1],
 [28, 2, 0, 1, 0, 0],
 [27, 1, 1, 1, 0, 1],
 [36, 1, 0, 1, 0, 0],
 [33, 1, 1, 0, 0, 1],
 [23, 1, 1, 1, 0, 0],
 [20, 1, 0, 1, 1, 0],
 [29, 1, 2, 0, 1, 1],
 [25, 1, 2, 0, 0, 0],
 [25, 1, 0, 1, 0, 0],
 [20, 1, 2, 2, 0, 1],
 [37, 3, 0, 1, 1, 1],
 [24, 1, 2, 0, 1, 1],
 [26, 1, 1, 1, 0, 0],
 [33, 2, 0, 0, 1, 1],
 [25, 1, 1, 2, 0, 0],
 [27, 1, 0, 0, 1, 1],
 [20, 1, 0, 2, 1, 1],
 [18, 1, 0, 1, 0, 0],
 [18, 1, 1, 2, 1, 1],
 [30, 1, 0, 1, 0, 0],
 [32, 1, 0, 2, 1, 1],
 [26, 2, 1, 1, 1, 0],
 [25, 1, 0, 0, 0, 0],
 [40, 1, 0, 1, 1, 1],
 [32, 2, 0, 2, 1, 1],
 [27, 2, 0, 1, 1, 1],
 [26, 2, 2, 1, 0, 1],
 [28, 3, 0, 2, 0, 1],
 [33, 1, 1, 1, 0, 0],
 [31, 2, 2, 1, 0, 0],
 [31, 1, 0, 1, 0, 0],
 [26, 1, 2, 0, 1, 1],
 [27, 1, 0, 2, 1, 1],
 [19, 1, 0, 1, 0, 1],
 [36, 1, 1, 2, 0, 1],
 [22, 1, 0, 1, 0, 1],
 [36, 4, 0, 2, 1, 1],
 [28, 3, 0, 1, 1, 1],
 [26, 1, 0, 1, 0, 0],
 [32, 2, 0, 2, 1, 1],
 [26, 2, 2, 1, 0, 0],
 [29, 2, 0, 0, 1, 1],
 [33, 3, 2, 1, 1, 0],
 [21, 2, 1, 0, 1, 1],
 [30, 3, 2, 2, 0, 0],
 [35, 1, 1, 0, 0, 0],
 [29, 2, 0, 1, 1, 1],
 [25, 2, 0, 1, 0, 0],
 [32, 3, 1, 0, 1, 1],
 [21, 1, 0, 0, 0, 1],
 [26, 1, 0, 2, 0, 1],
 [30, 2, 1, 2, 1, 1],
```

```
[22, 1, 2, 2, 0, 0],
[19, 1, 0, 1, 0, 1],
[32, 2, 0, 0, 0, 1],
[32, 2, 0, 1, 1, 1],
[31, 1, 2, 2, 1, 0],
[35, 2, 0, 1, 0, 1],
[28, 3, 0, 1, 0, 1],
[29, 2, 0, 1, 1, 0],
[25, 1, 0, 0, 0, 1],
[27, 2, 2, 0, 0, 0],
[17, 1, 0, 0, 0, 1],
[29, 1, 2, 0, 1, 1],
[28, 2, 0, 1, 0, 0],
[32, 3, 0, 1, 1, 0],
[38, 3, 2, 2, 1, 1],
[27, 2, 1, 1, 0, 0],
[33, 4, 0, 1, 0, 1],
[29, 2, 1, 2, 0, 1],
[25, 1, 2, 0, 0, 1],
[24, 2, 2, 1, 0, 0]], dtype=int64)
```

```
In [19]: neigh2 = KNeighborsClassifier(n_neighbors=5, metric='euclidean')
         neigh2.fit(X,y)
```

```
Out[19]: 
         KNeighborsClassifier(metric='euclidean')
```

```
In [26]: neigh2.predict([[45,1,0,2,0]])
```

```
Out[26]: array([1], dtype=int64)
```

```
In [ ]:
```