

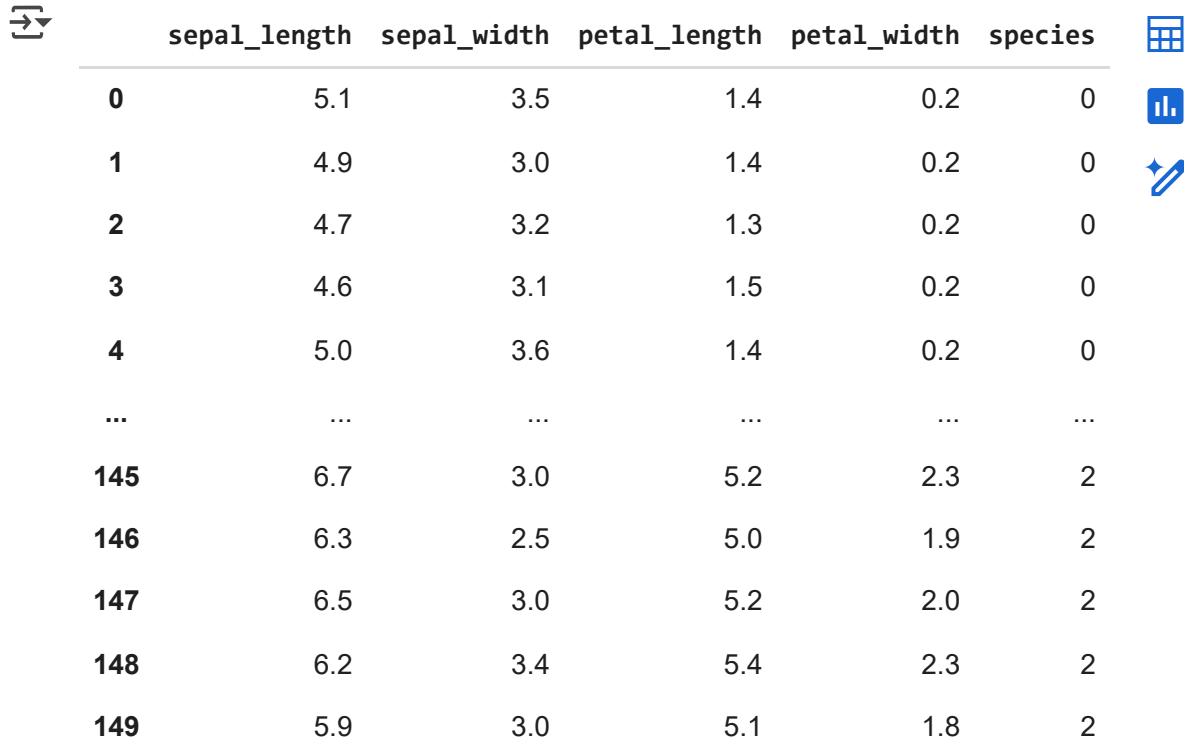
```
from pandas import read_csv
import seaborn as sns
import numpy as np
from sklearn.feature_selection import SelectKBest
from sklearn.feature_selection import chi2, f_regression, f_classif
from sklearn.preprocessing import LabelEncoder

df=sns.load_dataset('iris')
df.head()

lb = LabelEncoder()

df['species']=lb.fit_transform(df['species'])

df
```



	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	0
1	4.9	3.0	1.4	0.2	0
2	4.7	3.2	1.3	0.2	0
3	4.6	3.1	1.5	0.2	0
4	5.0	3.6	1.4	0.2	0
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	2
146	6.3	2.5	5.0	1.9	2
147	6.5	3.0	5.2	2.0	2
148	6.2	3.4	5.4	2.3	2
149	5.9	3.0	5.1	1.8	2

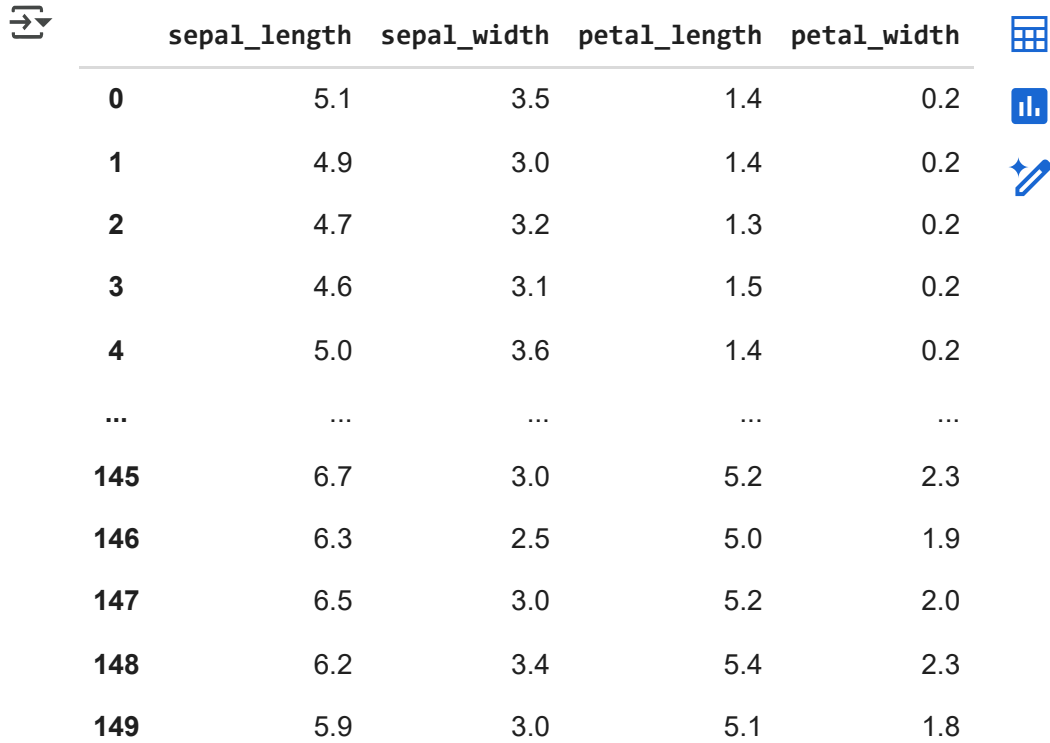
150 rows × 5 columns

Next steps:

[Generate code with df](#)[View recommended plots](#)[New interactive sheet](#)

```
x=df.iloc[:,0:4]
```

```
x
```



	sepal_length	sepal_width	petal_length	petal_width
0	5.1	3.5	1.4	0.2
1	4.9	3.0	1.4	0.2
2	4.7	3.2	1.3	0.2
3	4.6	3.1	1.5	0.2
4	5.0	3.6	1.4	0.2
...	...	...	...	...
145	6.7	3.0	5.2	2.3
146	6.3	2.5	5.0	1.9
147	6.5	3.0	5.2	2.0
148	6.2	3.4	5.4	2.3
149	5.9	3.0	5.1	1.8

150 rows × 4 columns

Next steps:

[Generate code with x](#)[View recommended plots](#)[New interactive sheet](#)

```
y=df['species']
```

```
y
```

**species**

	<b>species</b>
<b>0</b>	0
<b>1</b>	0
<b>2</b>	0
<b>3</b>	0
<b>4</b>	0
...	...
<b>145</b>	2
<b>146</b>	2
<b>147</b>	2
<b>148</b>	2
<b>149</b>	2

150 rows × 1 columns

**dtype:** int64

```
sel=SelectKBest(score_func=f_classif,k=2).fit(x,y)
```

```
sel
```



▼ SelectKBest ⓘ ?

SelectKBest(k=2)

x



	sepal_length	sepal_width	petal_length	petal_width	
0	5.1	3.5	1.4	0.2	
1	4.9	3.0	1.4	0.2	
2	4.7	3.2	1.3	0.2	
3	4.6	3.1	1.5	0.2	
4	5.0	3.6	1.4	0.2	
...	...	...	...	...	
145	6.7	3.0	5.2	2.3	
146	6.3	2.5	5.0	1.9	
147	6.5	3.0	5.2	2.0	
148	6.2	3.4	5.4	2.3	
149	5.9	3.0	5.1	1.8	

Next steps:

Generate code with x

 View recommended plots

 New interactive sheet

150 rows x 4 columns