

Grids

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import cv2
%matplotlib inline
```

[14] ✓ 0.8s

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

[15] ✓ 0.9s

...

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

```
iris['species'].unique()
```

[16] ✓ 0.7s

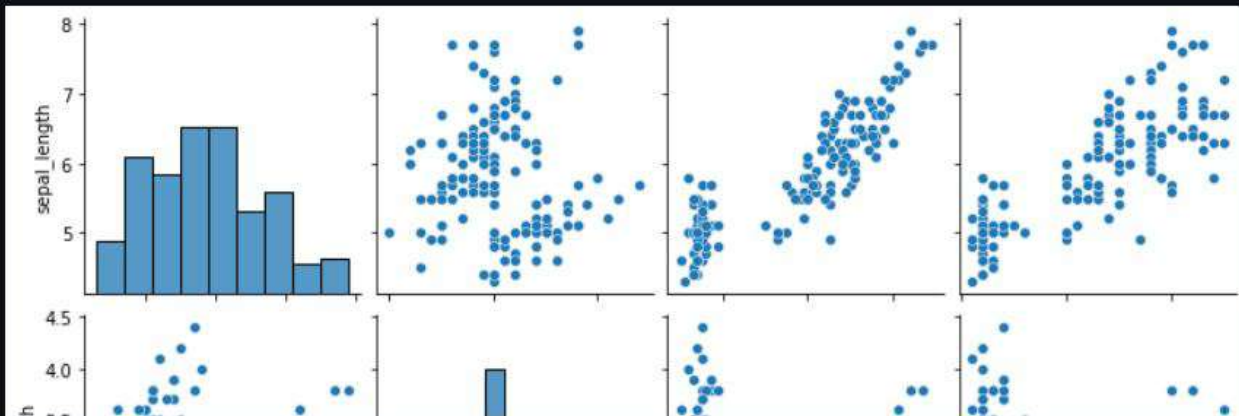
```
... array(['setosa', 'versicolor', 'virginica'], dtype=object)
```

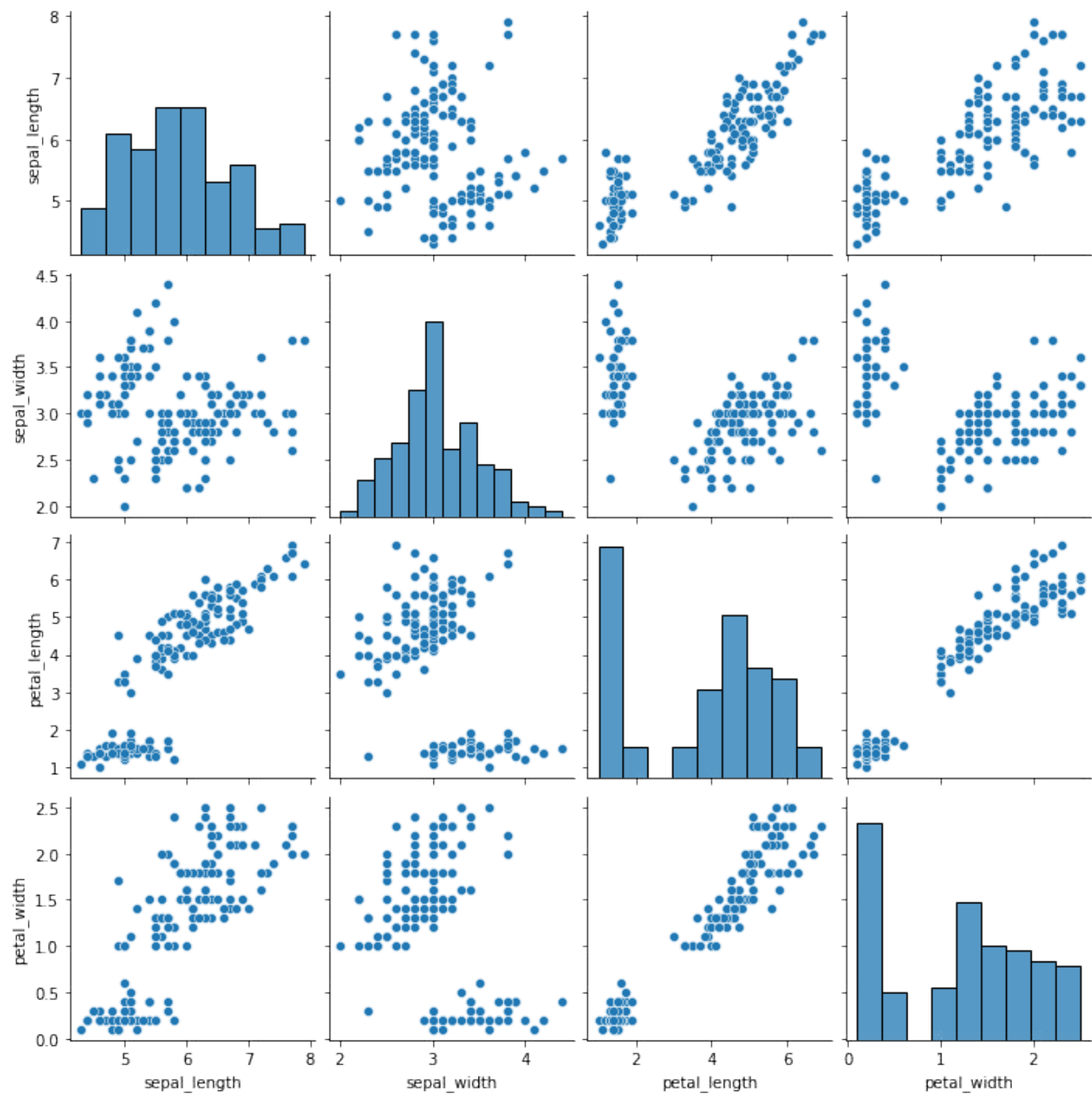
```
sns.pairplot(iris)
```

[17] ✓ 4.1s

```
... <seaborn.axisgrid.PairGrid at 0x288954490c0>
```

</>





```
g = sns.PairGrid(iris)
g.map_diag(sns.distplot)
g.map_upper(plt.scatter)
g.map_lower(sns.kdeplot)
```

✓ 4.6s

C:\Users\hp\AppData\Roaming\Python\Python310\site-packages\seaborn\distributions.py:2619: FutureWarning: `distplot` is deprecated and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

warnings.warn(msg, FutureWarning)

C:\Users\hp\AppData\Roaming\Python\Python310\site-packages\seaborn\distributions.py:2619: FutureWarning: `distplot` is deprecated and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

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warnings.warn(msg, FutureWarning)

```
tips = sns.load_dataset('tips')
tips.head()
```

✓ 0.9s

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

```
g = sns.FacetGrid(data=tips, col='time', row='smoker')
g.map(sns.distplot, 'total_bill')
```

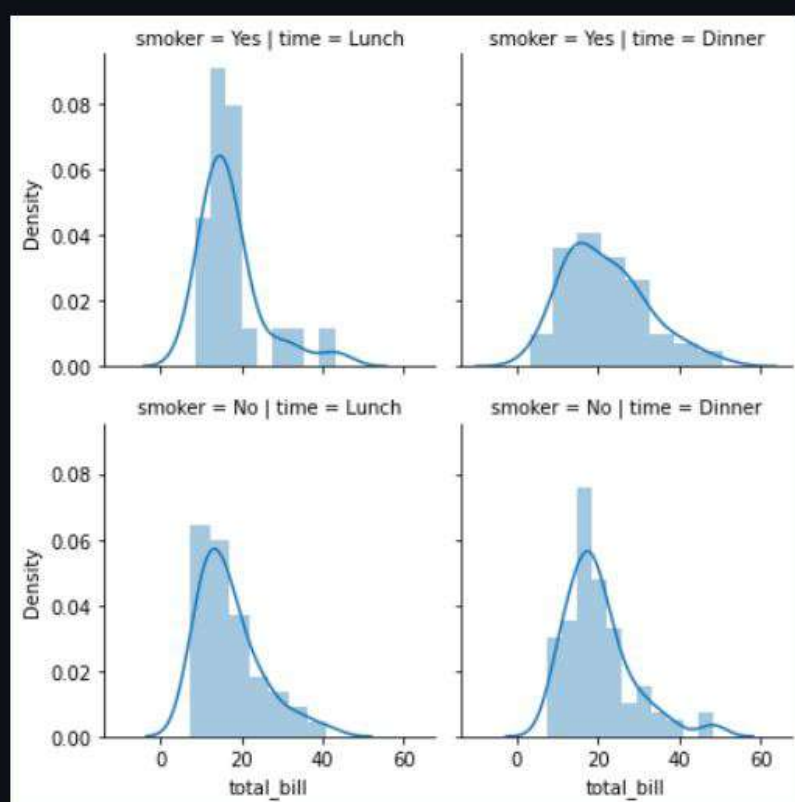
✓ 1.3s

C:\Users\hp\AppData\Roaming\Python\Python310\site-packages\seaborn\distributions.py:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

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<seaborn.axisgrid.FacetGrid at 0x2889ac0e950>



```
g = sns.FacetGrid(data=tips,col='time', row='smoker')
g.map(plt.scatter, 'total_bill', 'tip')
```

✓ 0.9s

<seaborn.axisgrid.FacetGrid at 0x2889c13db10>

