```python
import pandas as pd
df = pd.read_csv('iris.csv')
```

```python
import pandas as pd
df1 = pd.read_csv('iris_setosa.csv')
df2 = pd.read_csv('iris_versicolor.csv')
df3 = pd.read_csv('iris_virginica.csv')
```

```python
df.head()
```

	Id	Sepal Length (cm)	Sepal Width (cm)	Petal Length (cm)	Petal Width (cm)	Species
0	1	5.1	3.5	1.4	0.2	Iris-setosa
1	2	4.9	3.0	1.4	0.2	Iris-setosa
2	3	4.7	3.2	1.3	0.2	Iris-setosa
3	4	4.6	3.1	1.5	0.2	Iris-setosa
4	5	5.0	3.6	1.4	0.2	Iris-setosa

Next steps: [Generate code with `df`]   (⬤ View recommended plots)   [New interactive sheet]

```python
import seaborn as sns
sns.distplot(a=df['Petal Length (cm)'], kde=False)
```
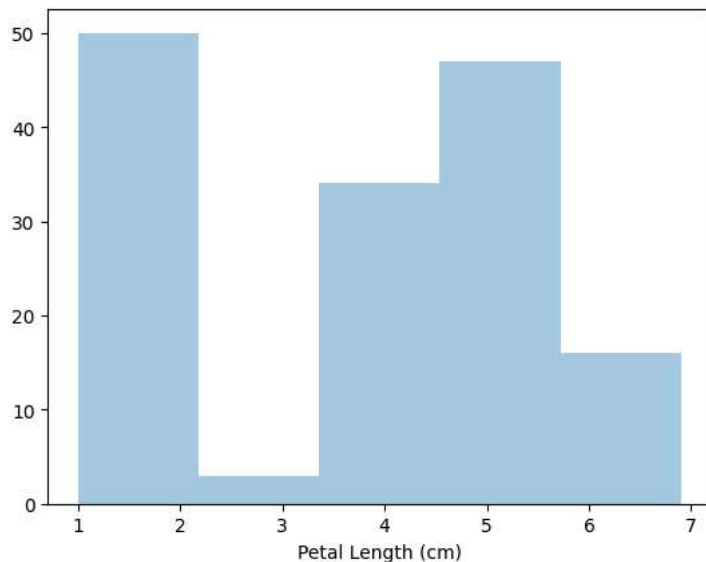
```
<ipython-input-4-6e77c1747ce8>:2: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(a=df['Petal Length (cm)'], kde=False)
<Axes: xlabel='Petal Length (cm)'>
```
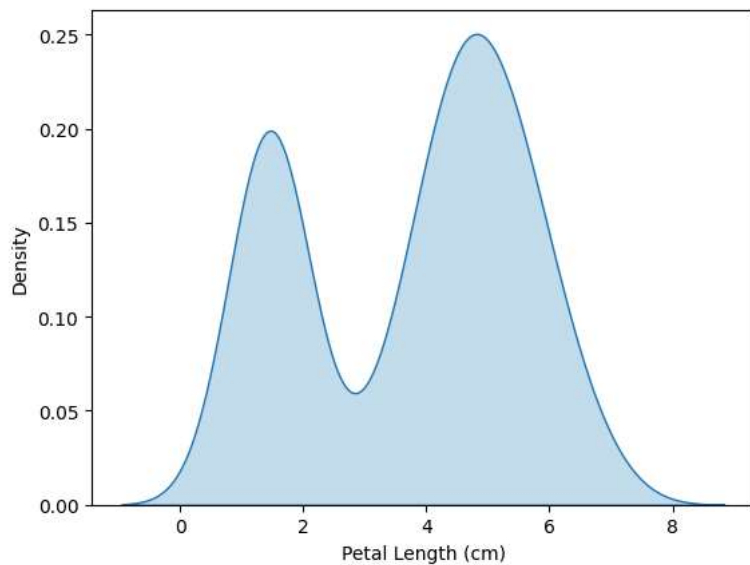


```python
sns.kdeplot(data=df['Petal Length (cm)'], shade=True)
```
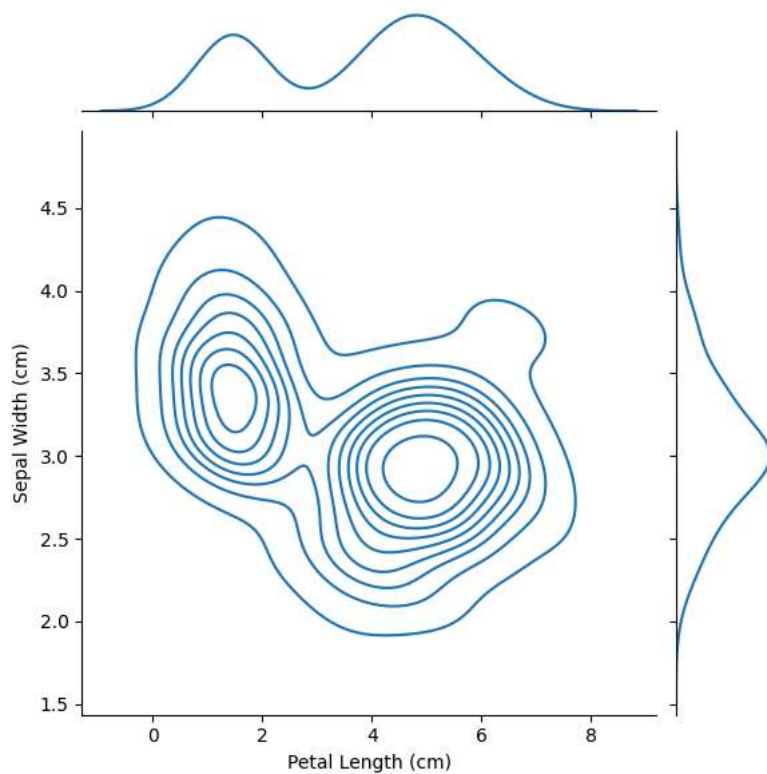
```
<ipython-input-9-1a24ac3bd7f2>:1: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill=True`.
This will become an error in seaborn v0.14.0; please update your code.

  sns.kdeplot(data=df['Petal Length (cm)'], shade=True)
<Axes: xlabel='Petal Length (cm)', ylabel='Density'>
```



```
sns.jointplot(x=df['Petal Length (cm)'], y=df['Sepal Width (cm)'], kind='kde')
```

```
<seaborn.axisgrid.JointGrid at 0x7aa3296bb670>
```



```
sns.kdeplot(data=df1['Petal Length (cm)'], label= "Iris-setosa", shade=True)
sns.kdeplot(data=df2['Petal Length (cm)'], label= "Iris-versicolor", shade=True)
sns.kdeplot(data=df3['Petal Length (cm)'], label= "Iris-virginica", shade=True)
```

```
<ipython-input-6-4fa2b9cd4abc>:1: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill=True`.
This will become an error in seaborn v0.14.0; please update your code.

  sns.kdeplot(data=df1['Petal Length (cm)'], label= "Iris-setosa", shade=True)
<ipython-input-6-4fa2b9cd4abc>:2: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill=True`.
This will become an error in seaborn v0.14.0; please update your code.

  sns.kdeplot(data=df2['Petal Length (cm)'], label= "Iris-versicolor", shade=True)
<ipython-input-6-4fa2b9cd4abc>:3: FutureWarning:

`shade` is now deprecated in favor of `fill`; setting `fill=True`.
This will become an error in seaborn v0.14.0; please update your code.

  sns.kdeplot(data=df3['Petal Length (cm)'], label= "Iris-virginica", shade=True)
<Axes: xlabel='Petal Length (cm)', ylabel='Density'>
```
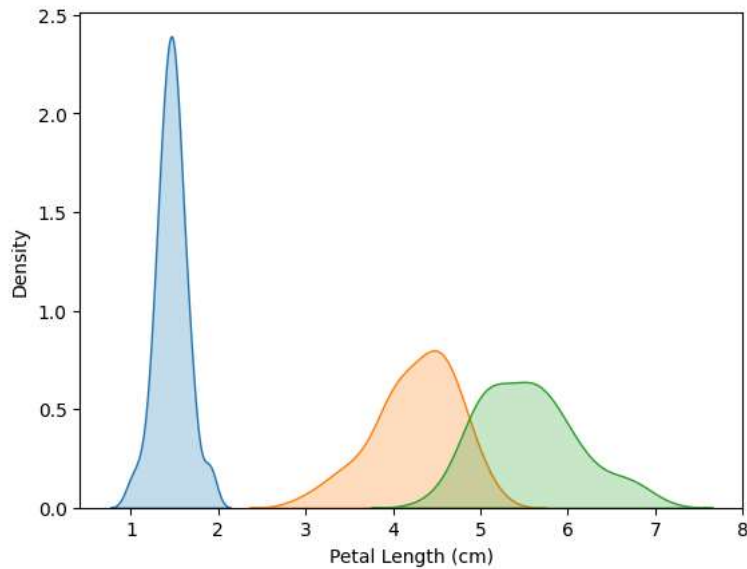


```
sns.distplot(a=df1['Petal Length (cm)'], label="Iris-setosa", kde=False)
sns.distplot(a=df2['Petal Length (cm)'], label="Iris-versicolor", kde=False)
sns.distplot(a=df3['Petal Length (cm)'], label="Iris-virginica", kde=False)
```

```
<ipython-input-16-8cd091316344>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(a=df1['Petal Length (cm)'], label="Iris-setosa", kde=False)
<ipython-input-16-8cd091316344>:2: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(a=df2['Petal Length (cm)'], label="Iris-versicolor", kde=False)
<ipython-input-16-8cd091316344>:3: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(a=df3['Petal Length (cm)'], label="Iris-virginica", kde=False)
<Axes: xlabel='Petal Length (cm)'>
```