

```
In [1]: import seaborn as sns
```

```
In [3]: df = sns.load_dataset('iris')
df
```

```
Out[3]:
```

	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
...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

```
In [4]: df.columns
```

```
Out[4]: Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width',
              'species'],
              dtype='object')
```

```
In [5]: df.info()
```

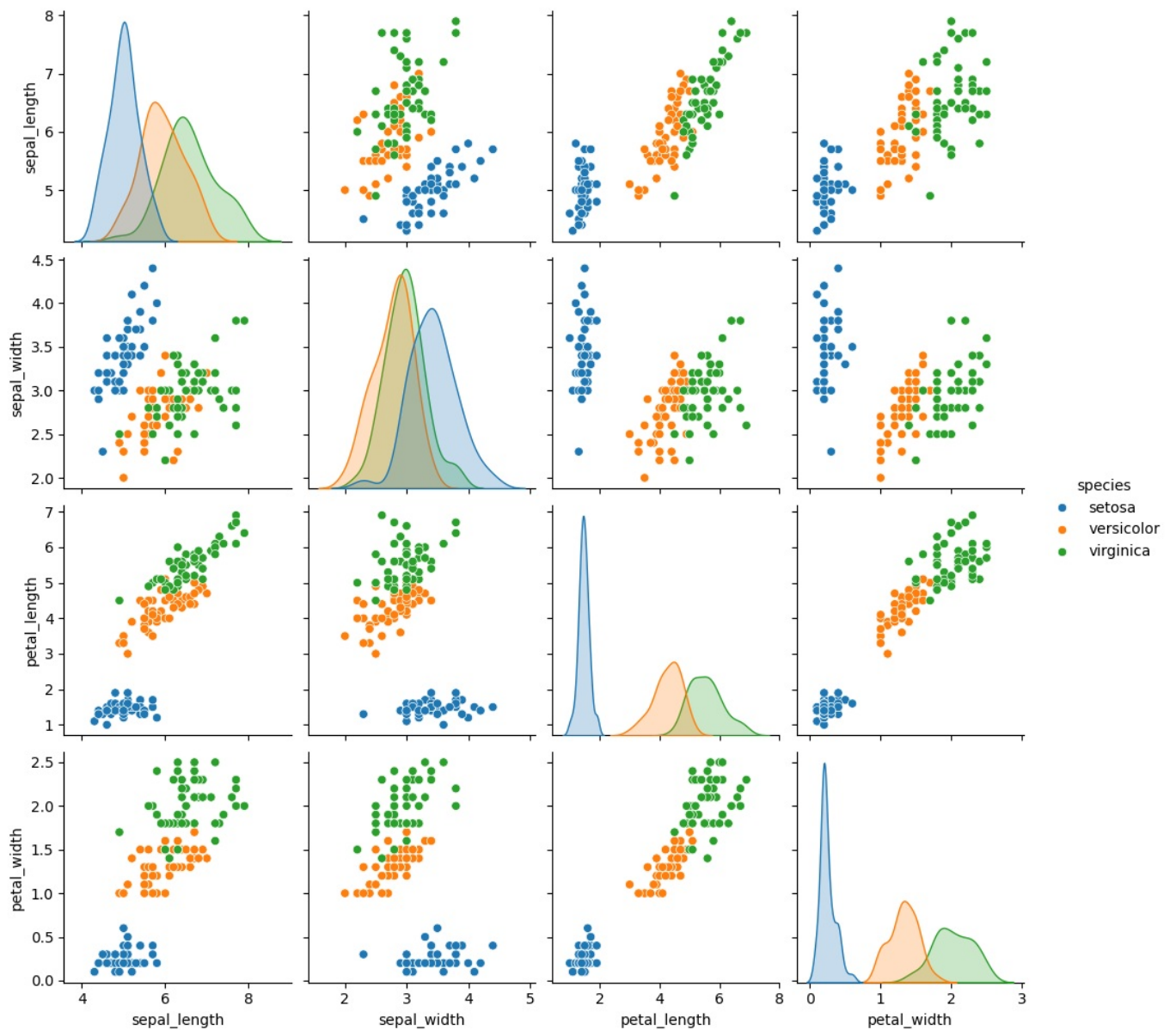
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype  
---  -
0   sepal_length    150 non-null   float64
1   sepal_width     150 non-null   float64
2   petal_length    150 non-null   float64
3   petal_width     150 non-null   float64
4   species         150 non-null   object  
dtypes: float64(4), object(1)
memory usage: 6.0+ KB
```

```
In [6]: df.dtypes
```

```
Out[6]: sepal_length    float64
sepal_width    float64
petal_length    float64
petal_width    float64
species         object
dtype: object
```

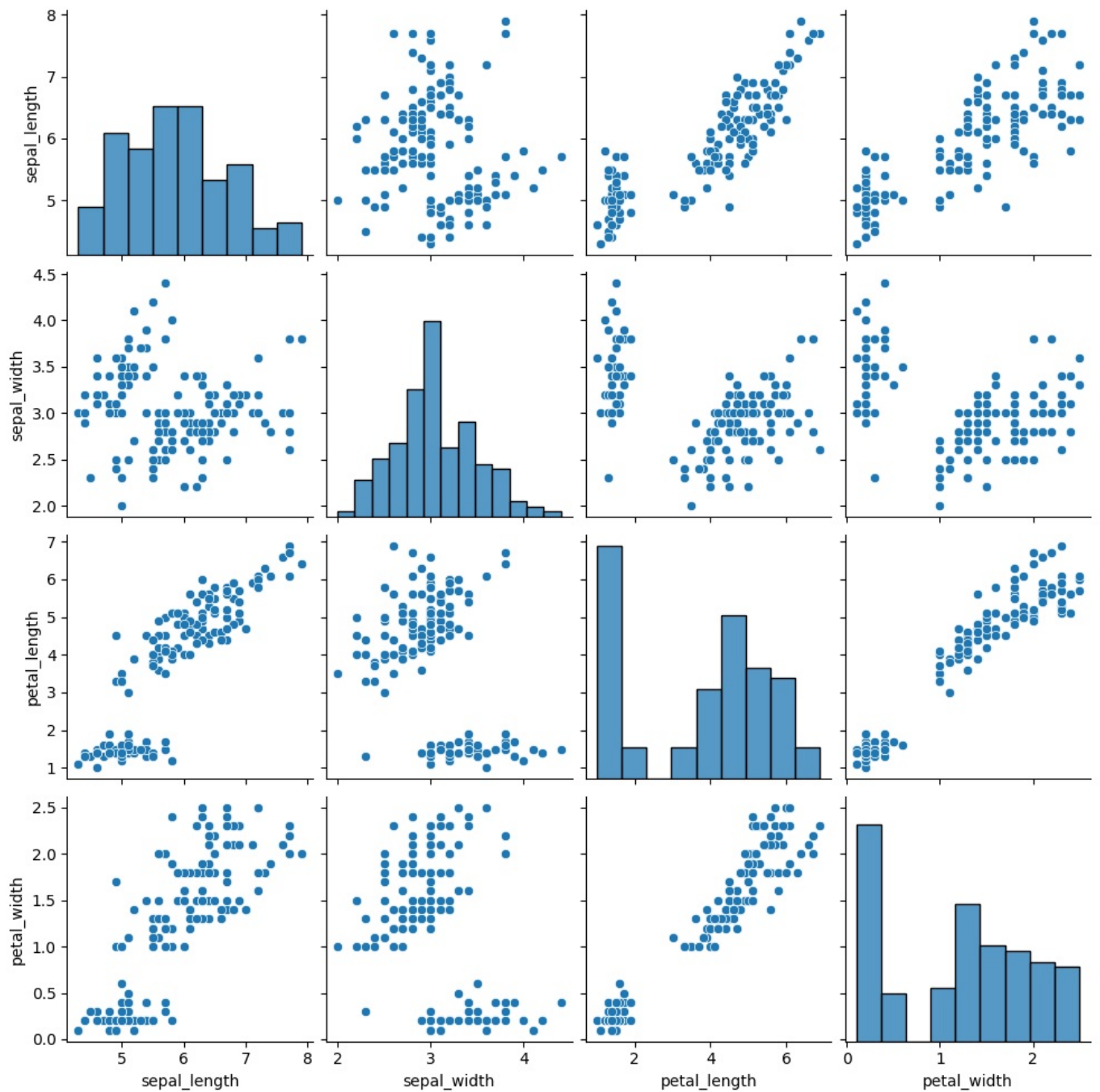
```
In [7]: sns.pairplot(df,hue='species')
```

```
Out[7]: <seaborn.axisgrid.PairGrid at 0x2763421d190>
```



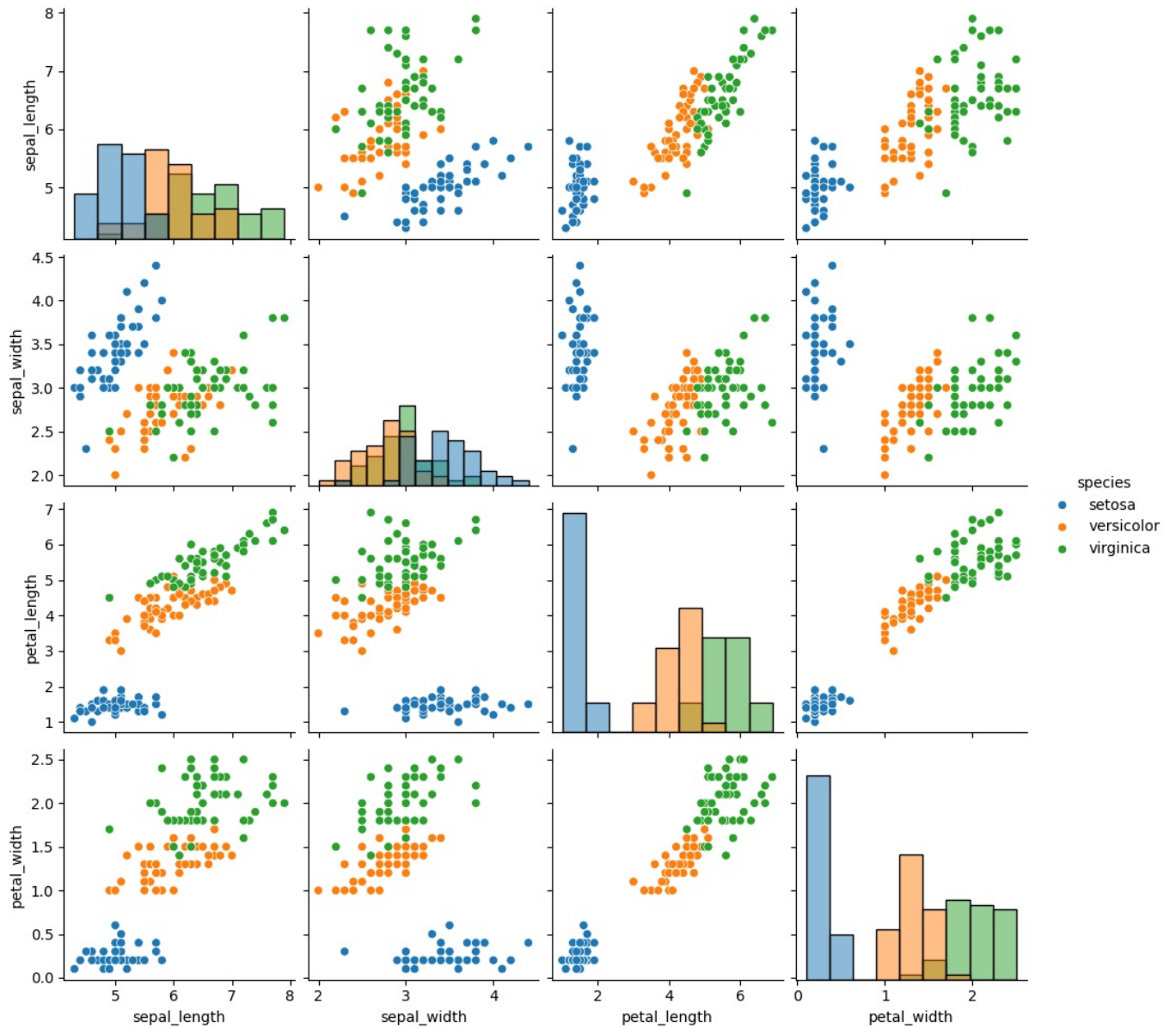
```
In [8]: sns.pairplot(df)
```

```
Out[8]: <seaborn.axisgrid.PairGrid at 0x2766546f680>
```



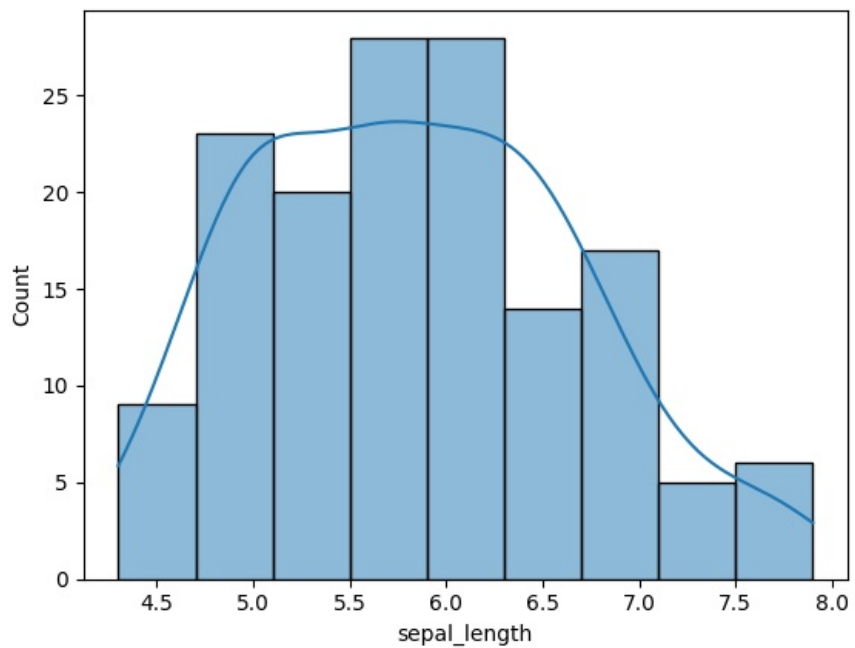
```
In [9]: sns.pairplot(df,hue='species',diag_kind='hist')
```

```
Out[9]: <seaborn.axisgrid.PairGrid at 0x276652ee210>
```



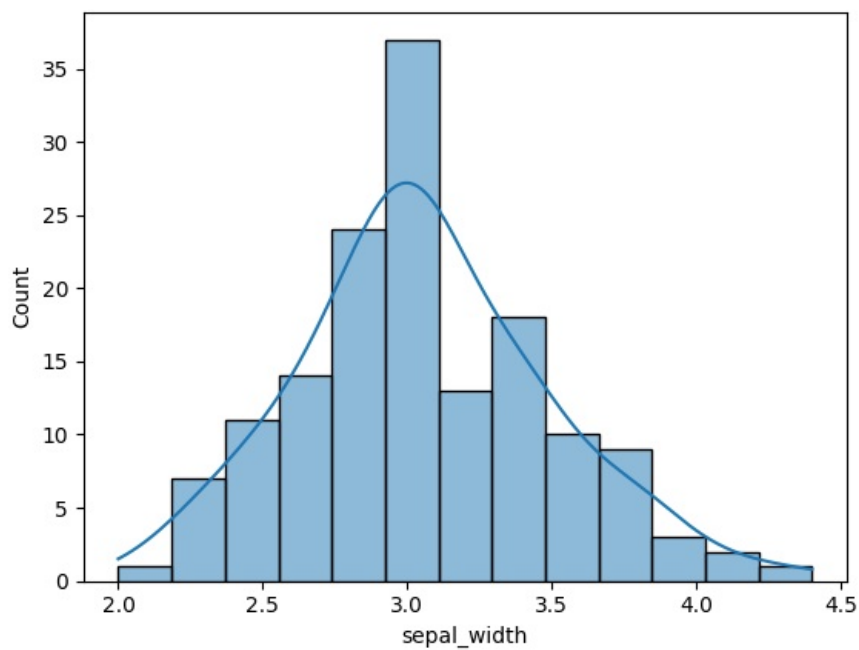
```
In [10]: sns.histplot(df['sepal_length'],kde=True)
```

```
Out[10]: <Axes: xlabel='sepal_length', ylabel='Count'>
```



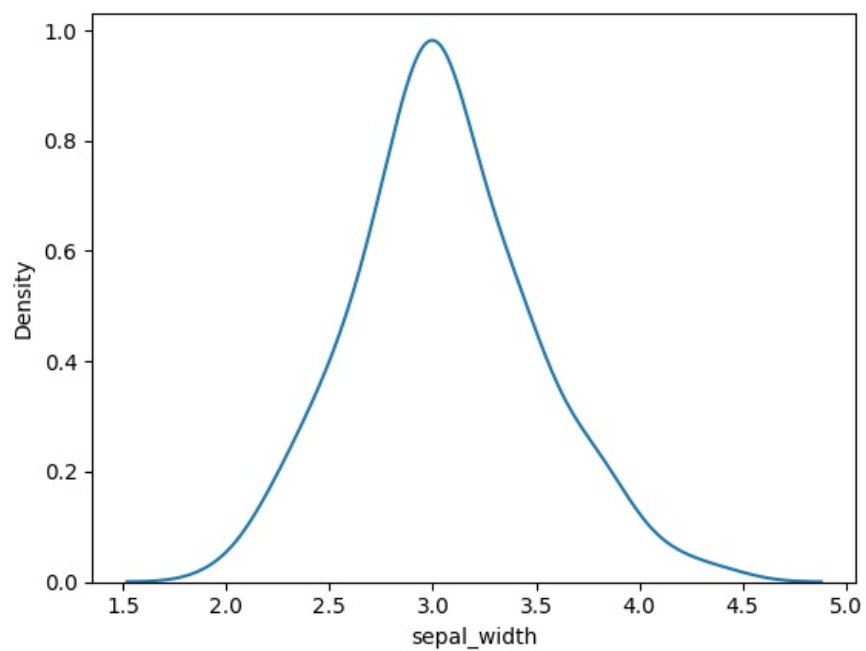
```
In [11]: sns.histplot(df['sepal_width'],kde=True)
```

```
Out[11]: <Axes: xlabel='sepal_width', ylabel='Count'>
```



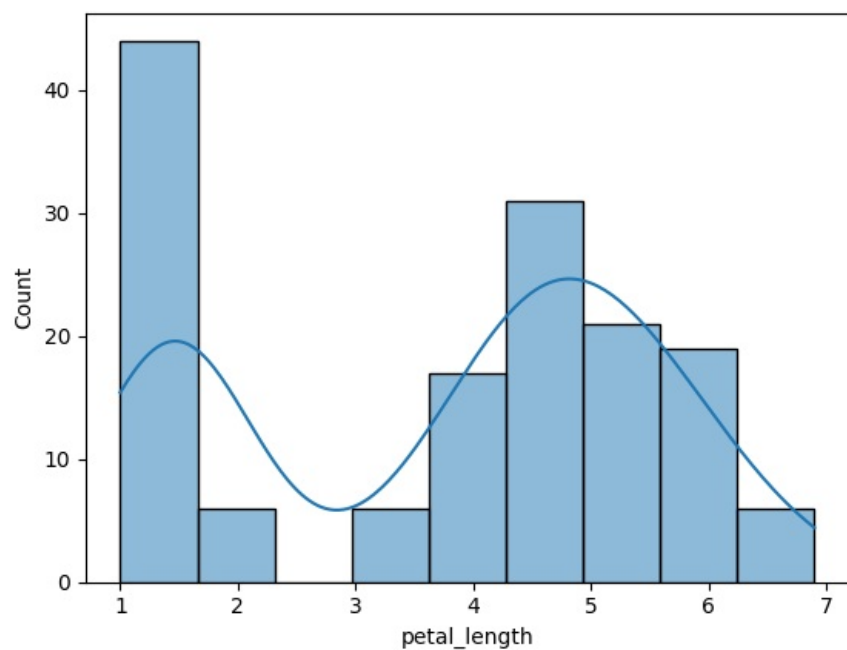
```
In [12]: sns.kdeplot(df['sepal_width'])
```

```
Out[12]: <Axes: xlabel='sepal_width', ylabel='Density'>
```



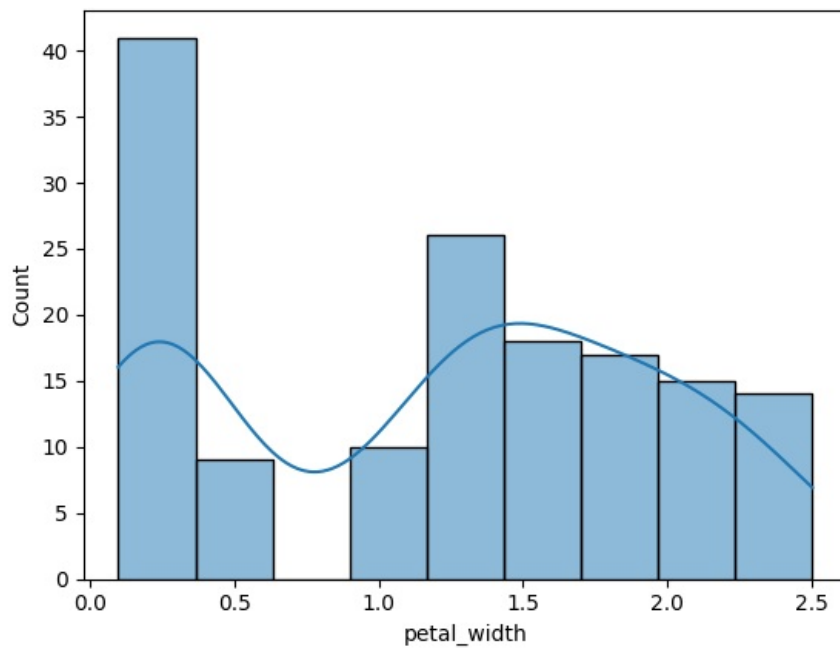
```
In [13]: sns.histplot(df['petal_length'],kde=True)
```

```
Out[13]: <Axes: xlabel='petal_length', ylabel='Count'>
```



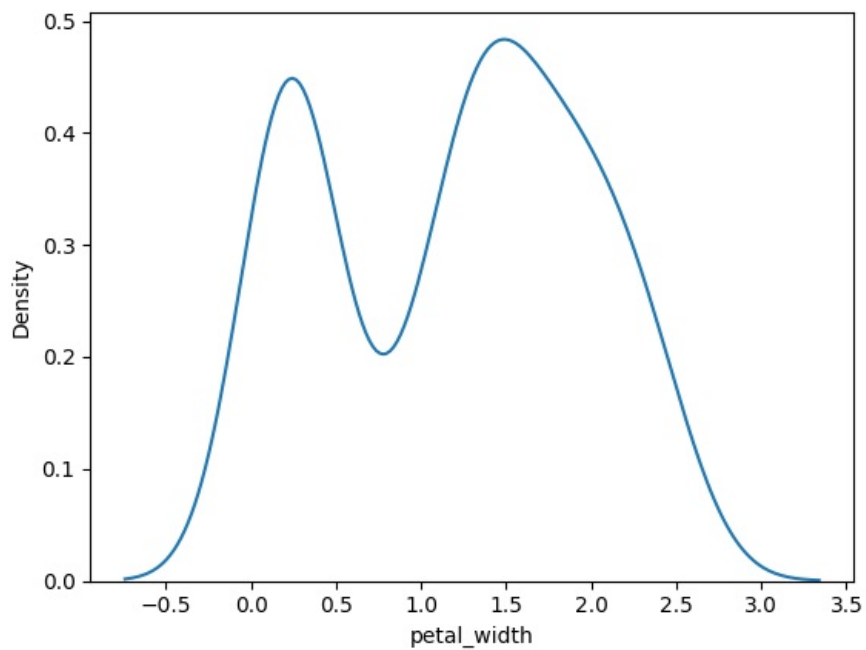
```
In [14]: sns.histplot(df['petal_width'],kde=True)
```

```
Out[14]: <Axes: xlabel='petal_width', ylabel='Count'>
```

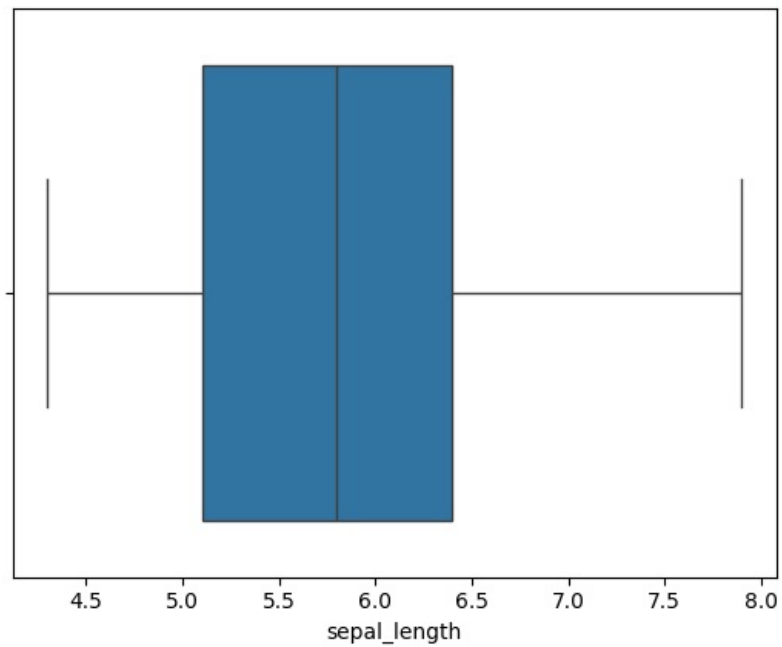


```
In [15]: sns.kdeplot(df['petal_width'])
```

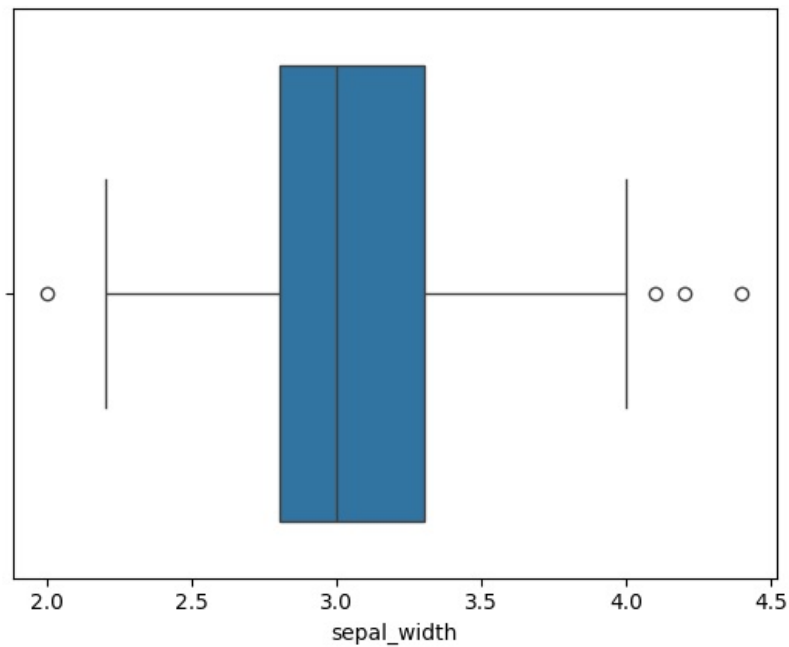
```
Out[15]: <Axes: xlabel='petal_width', ylabel='Density'>
```



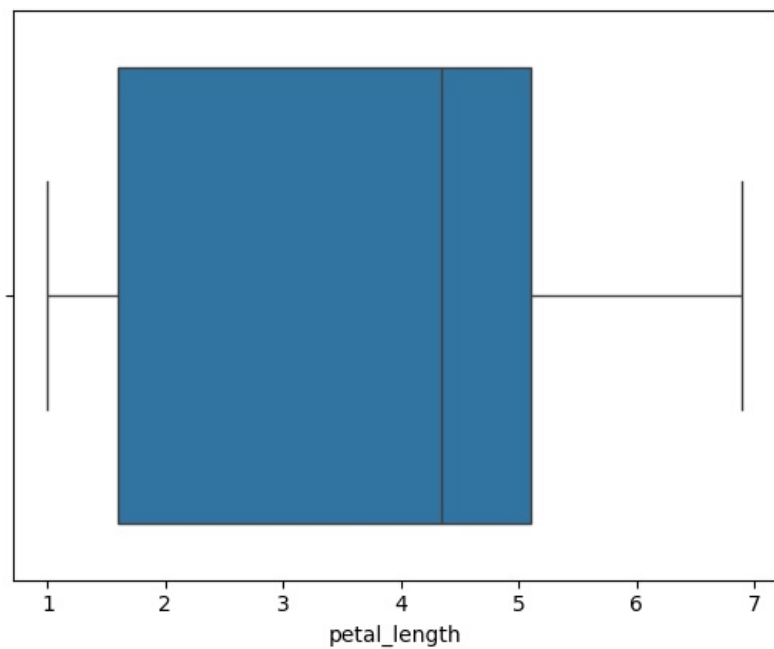
```
In [16]: sns.boxplot(x=df['sepal_length']);
```



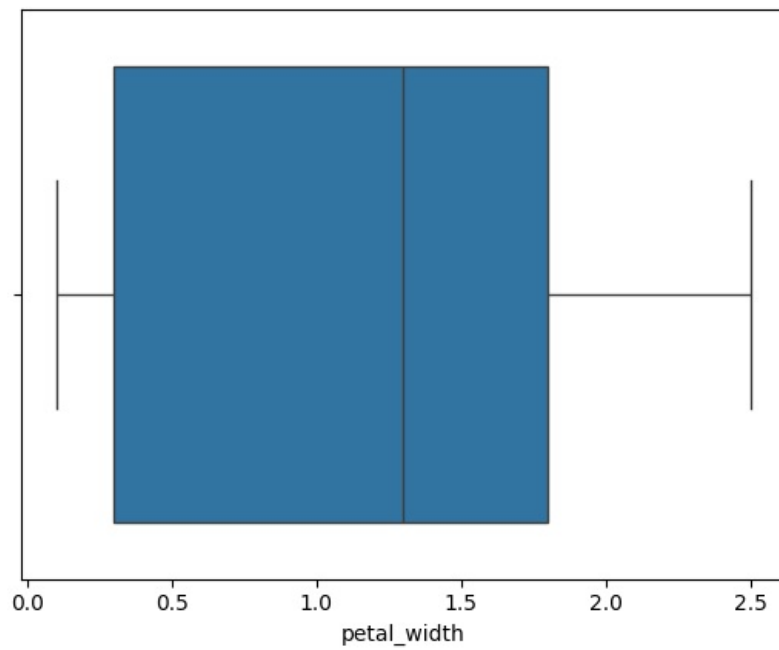
```
In [17]: sns.boxplot(x=df['sepal_width']);
```



```
In [18]: sns.boxplot(x=df['petal_length']);
```




```
In [19]: sns.boxplot(x=df['petal_width']);
```



```
In [ ]:
```

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