```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

iris = sns.load_dataset('iris')
iris = iris[['species','sepal_length','petal_length']]
iris.head()
```

{"summary":"{\n \"name\": \"iris\",\n \"rows\": 150,\n \"fields\":
[\n   {\n   \"column\": \"species\",\n   \"properties\": {\n
\"dtype\": \"category\",\n   \"num_unique_values\": 3,\n
\"samples\": [\n   \"setosa\",\n   \"versicolor\",\n
\"virginica\"\n   ],\n   \"semantic_type\": \"\",\n
\"description\": \"\"\n   }\n   },\n   {\n   \"column\":
\"sepal_length\",\n   \"properties\": {\n   \"dtype\":
\"number\",\n   \"std\": 0.8280661279778629,\n   \"min\":
4.3,\n   \"max\": 7.9,\n   \"num_unique_values\": 35,\n
\"samples\": [\n   6.2,\n   4.5,\n   5.6\n
],\n   \"semantic_type\": \"\",\n   \"description\": \"\"\n
}\n   },\n   {\n   \"column\": \"petal_length\",\n
\"properties\": {\n   \"dtype\": \"number\",\n   \"std\":
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\"num_unique_values\": 43,\n   \"samples\": [\n   6.7,\n
3.8,\n   3.7\n   ],\n   \"semantic_type\": \"\",\n
\"description\": \"\"\n   }\n   }\n]\
n}","type":"dataframe","variable_name":"iris"}

```python
sns.pairplot(data=iris,diag_kws=dict(color='green',kde=True))
```

```
<seaborn.axisgrid.PairGrid at 0x79ed6c570d10>
```
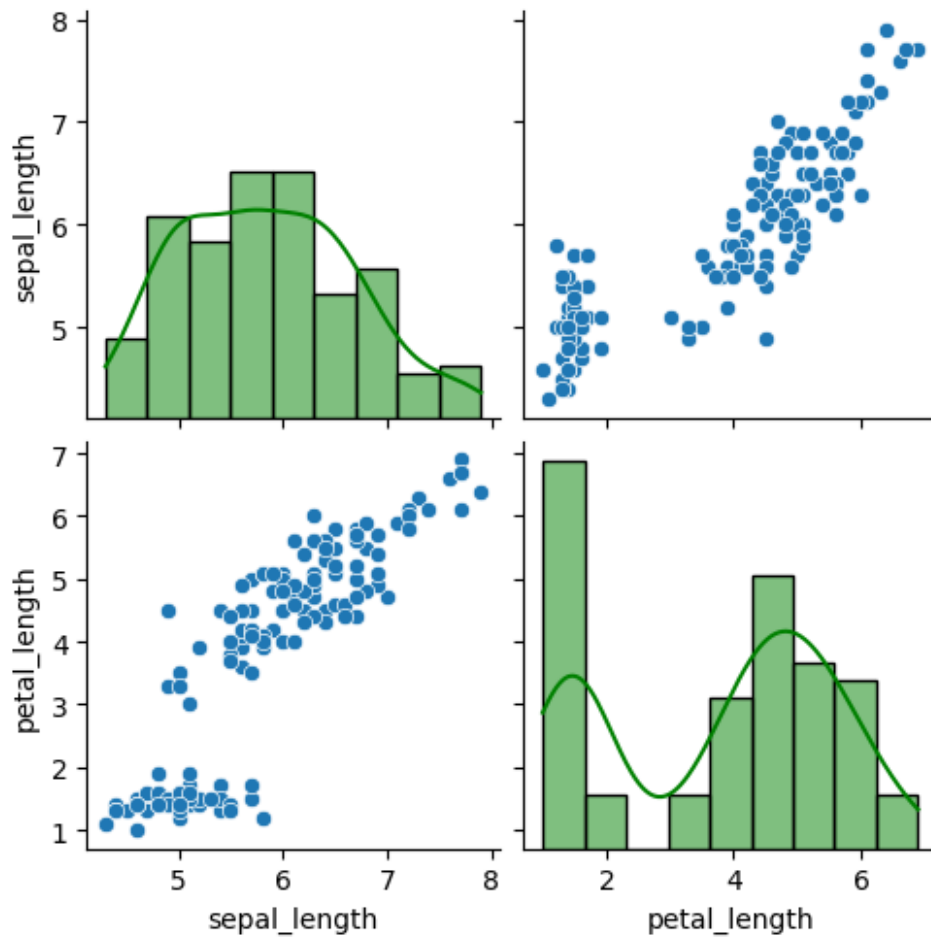
```
sns.pairplot(data=iris,diag_kind='kde')
```

```
<seaborn.axisgrid.PairGrid at 0x79ed71cdef10>
```
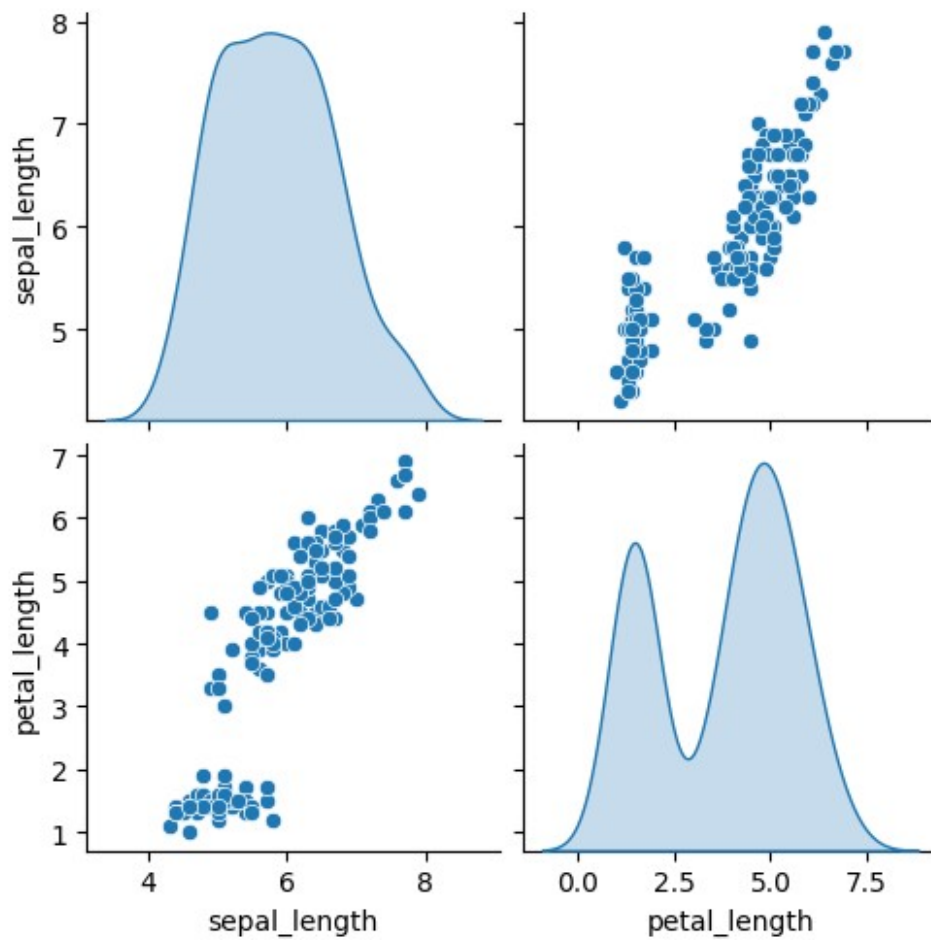
```
sns.pairplot(data=iris,kind='reg')
```
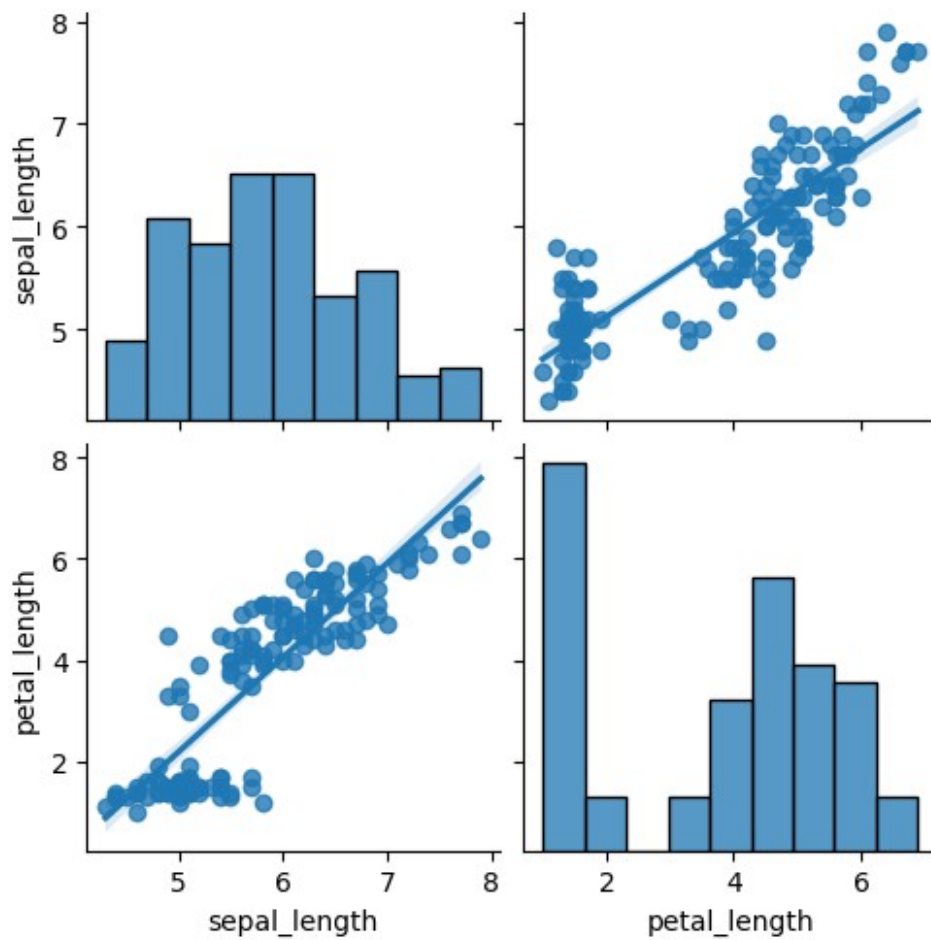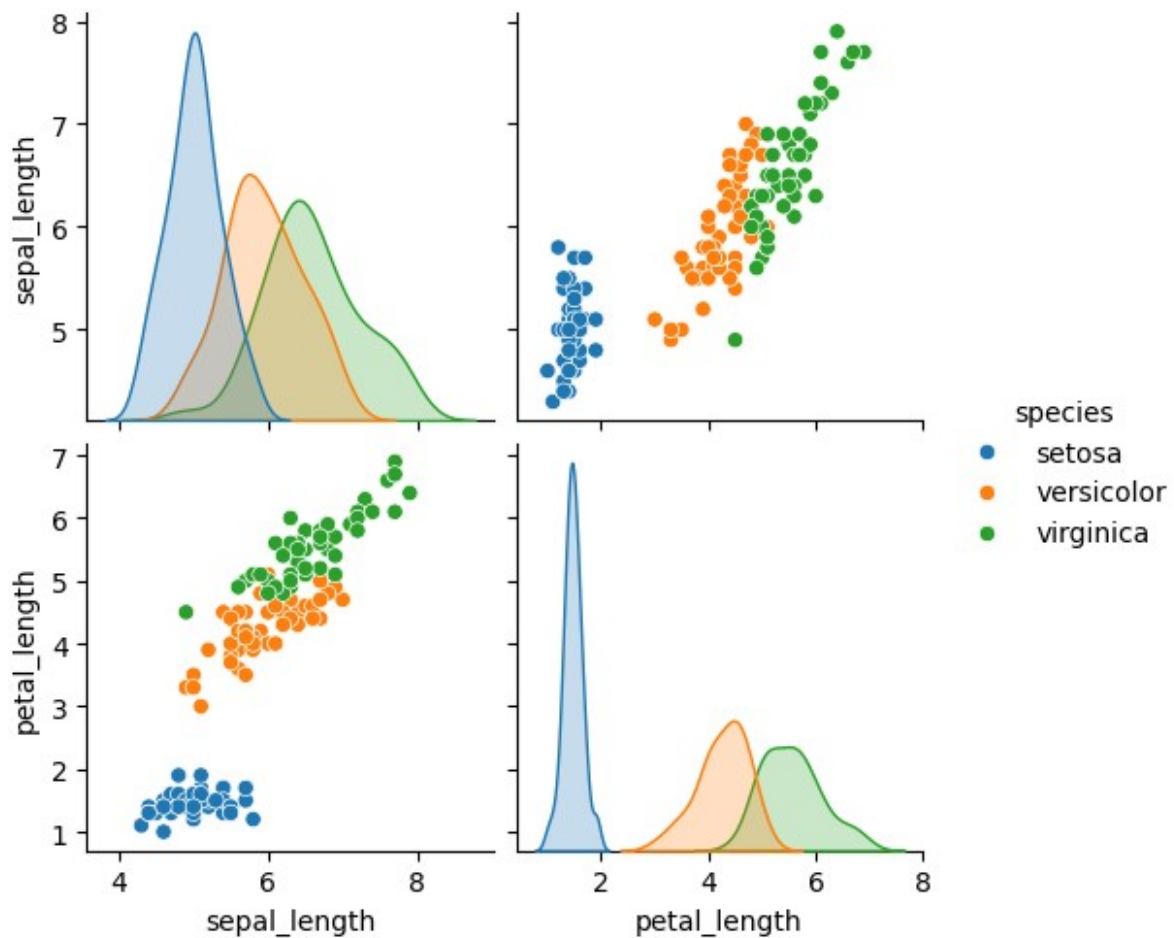
```
<seaborn.axisgrid.PairGrid at 0x79ed6f9cb5d0>
```

```
sns.pairplot(data=iris,hue='species')
```

```
<seaborn.axisgrid.PairGrid at 0x79ed6f8a8dd0>
```

```
sns.pairplot(data=iris,x_vars=['sepal_length','petal_length'],y_vars='sepal_length',diag_kind=None)
```

```
<seaborn.axisgrid.PairGrid at 0x79ed6c7a57d0>
```