```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import warnings
warnings.filterwarnings("ignore", category=FutureWarning)
warnings.filterwarnings("ignore", category=UserWarning)
df=pd.read_csv('/content/IRIS.csv')
df.head()
```

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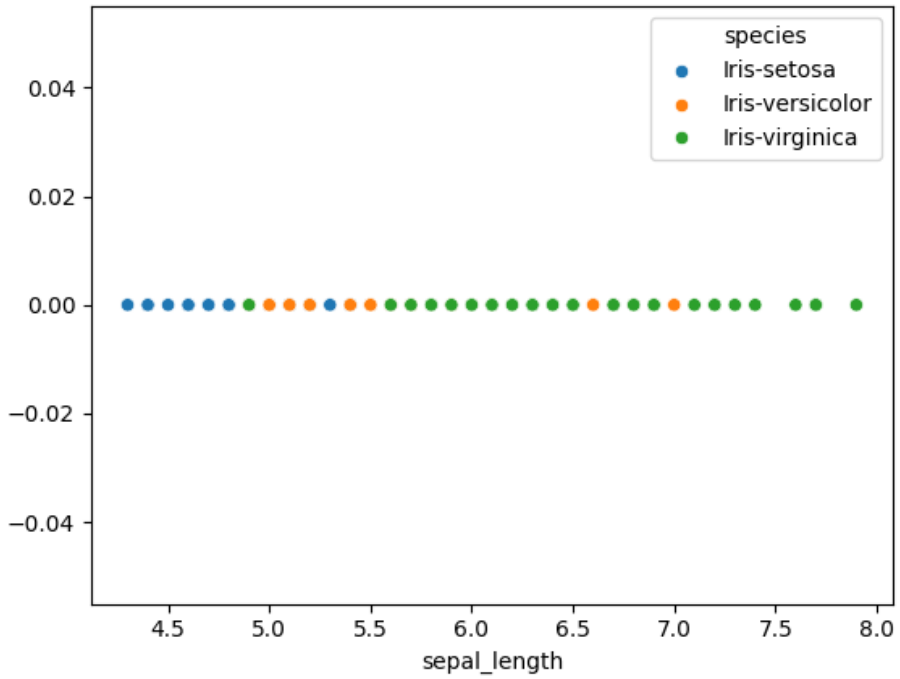
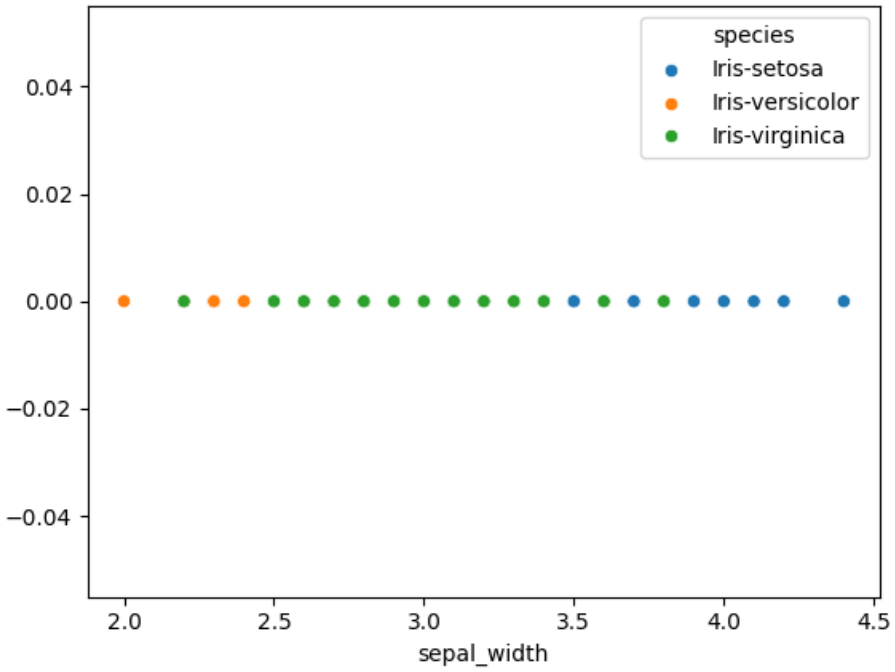
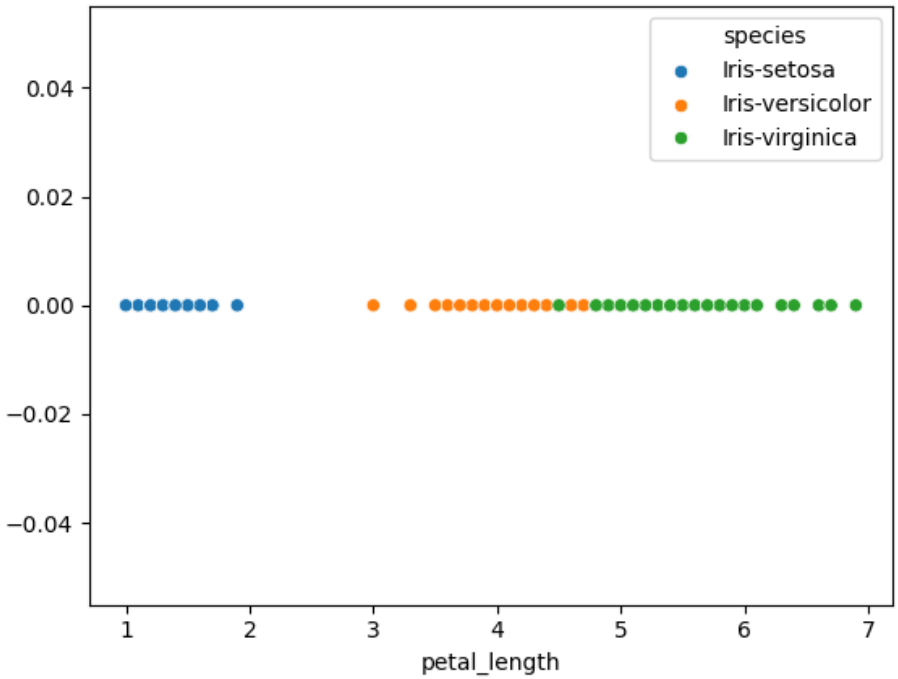
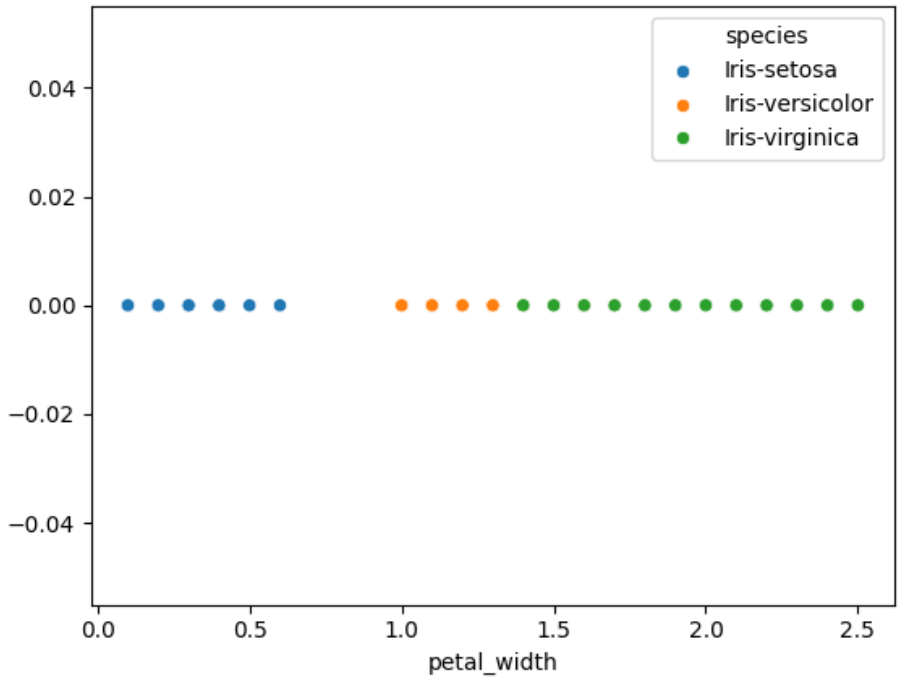
```
sns.scatterplot(data=df, x="sepal_length", y=0, hue="species")
plt.show()
sns.scatterplot(data=df, x="sepal_width", y=0, hue="species")
plt.show()
sns.scatterplot(data=df, x="petal_length", y=0, hue="species")
plt.show()
sns.scatterplot(data=df, x="petal_width", y=0, hue="species")
plt.show()
```

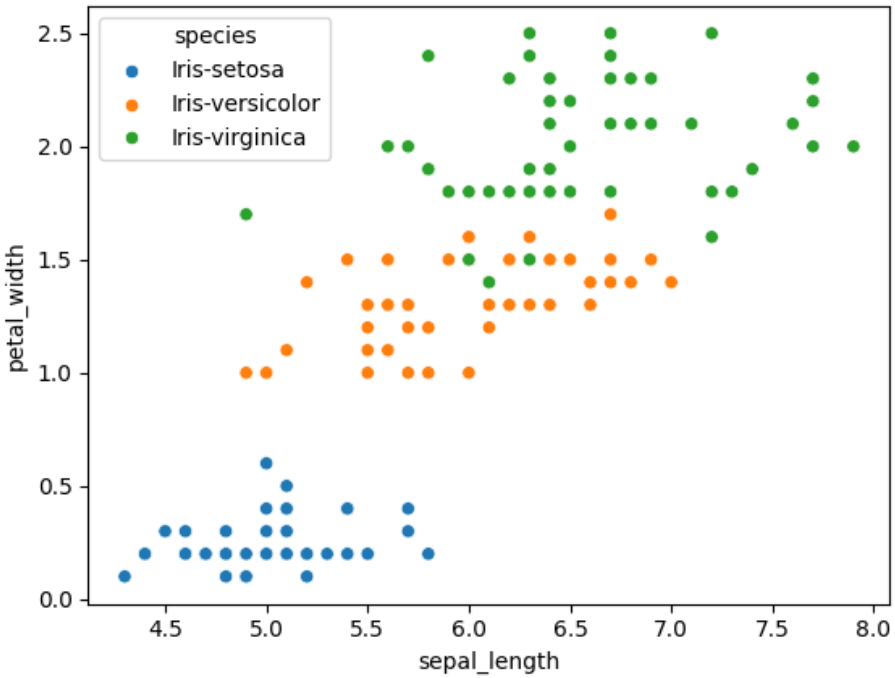


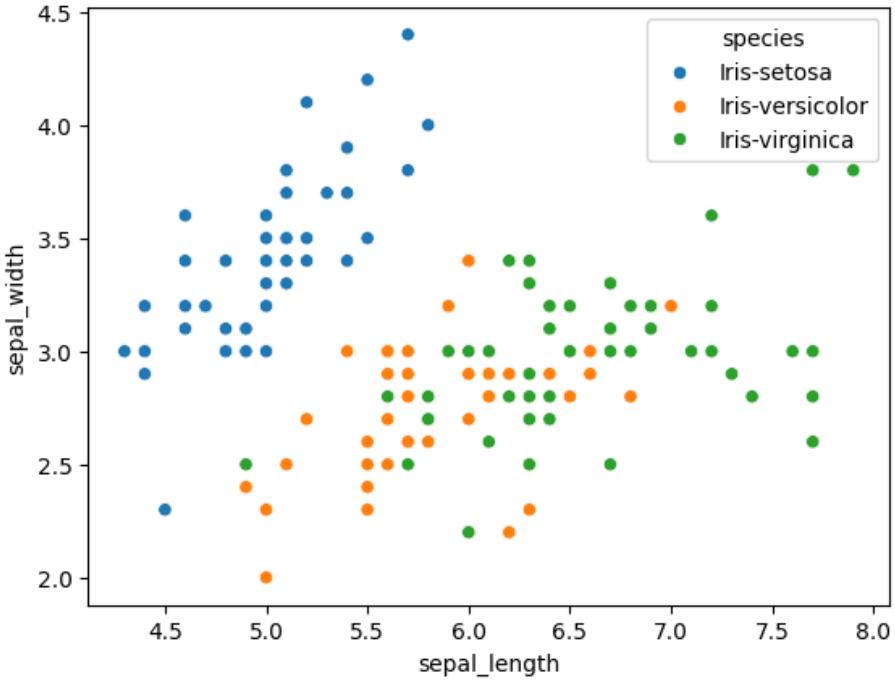

species
Iris-setosa
Iris-versicolor
Iris-virginica
0.04
0.02
0.00
−0.02
−0.04
2.0
2.5
3.0
3.5
4.0
4.5
sepal_width

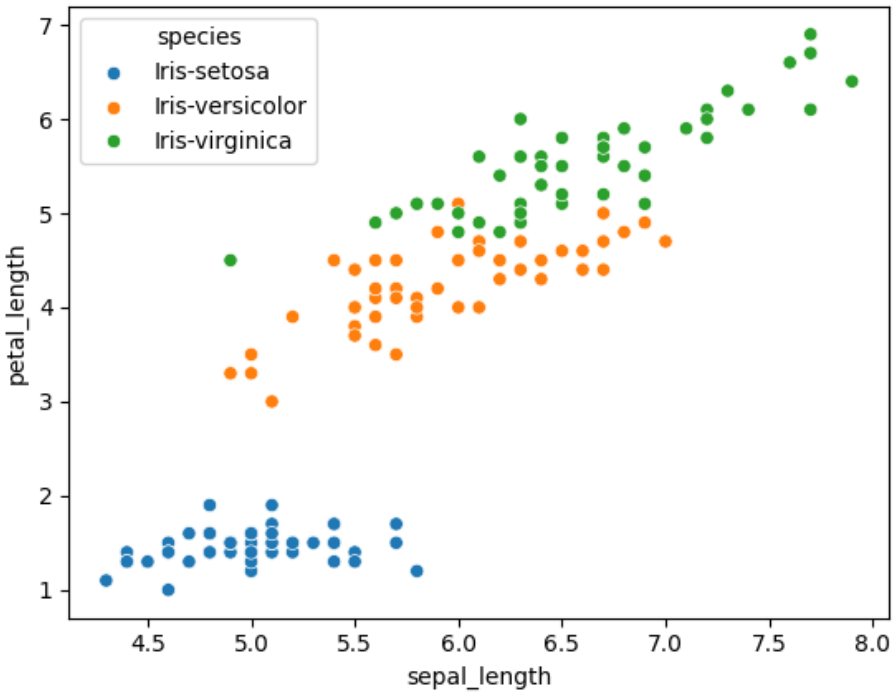

species
Iris-setosa
Iris-versicolor
Iris-virginica
0.04
0.02
0.00
−0.02
−0.04
1
2
3
4
5
6
7
petal_length

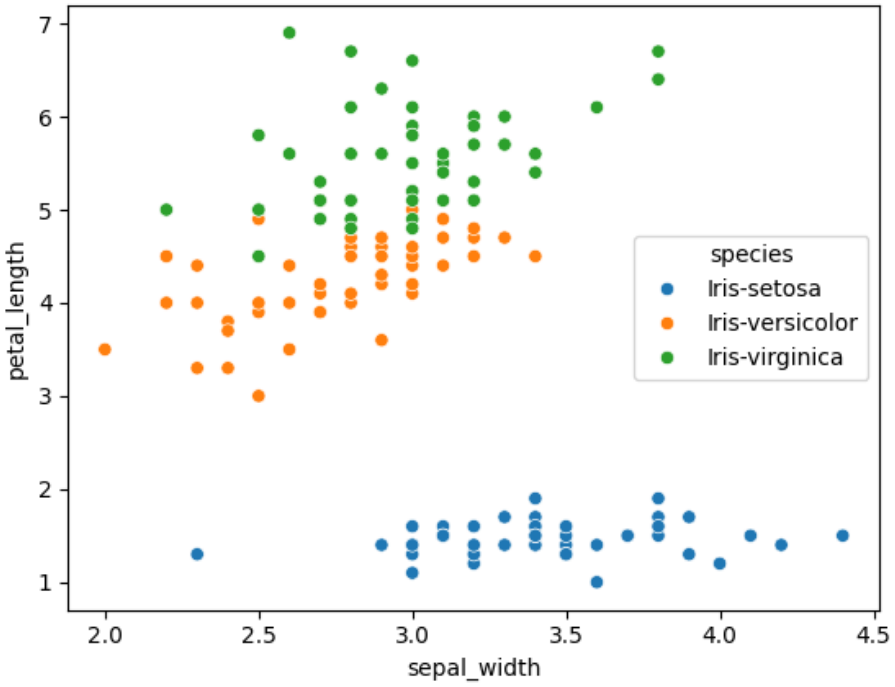


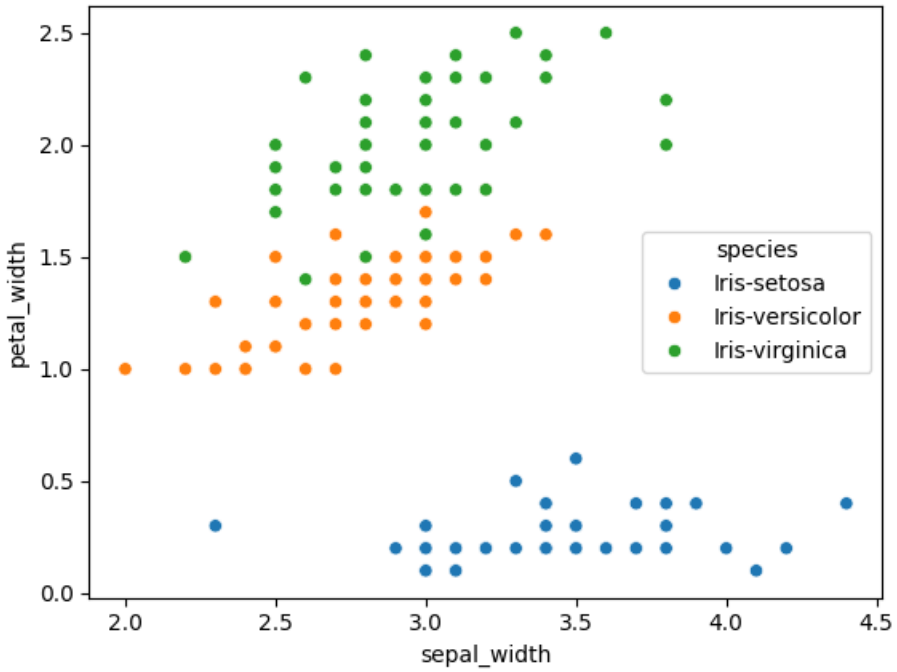

```
sns.scatterplot(data=df, x="sepal_length", y='petal_width', hue="species")
plt.show()
sns.scatterplot(data=df, x="sepal_length", y='sepal_width', hue="species")
plt.show()
sns.scatterplot(data=df, x="sepal_length", y='petal_length', hue="species")
plt.show()
sns.scatterplot(data=df, x="sepal_width", y='petal_length', hue="species")
plt.show()
sns.scatterplot(data=df, x="sepal_width", y='petal_width', hue="species")
plt.show()
sns.scatterplot(data=df, x="petal_length", y='petal_width', hue="species")
plt.show()
```

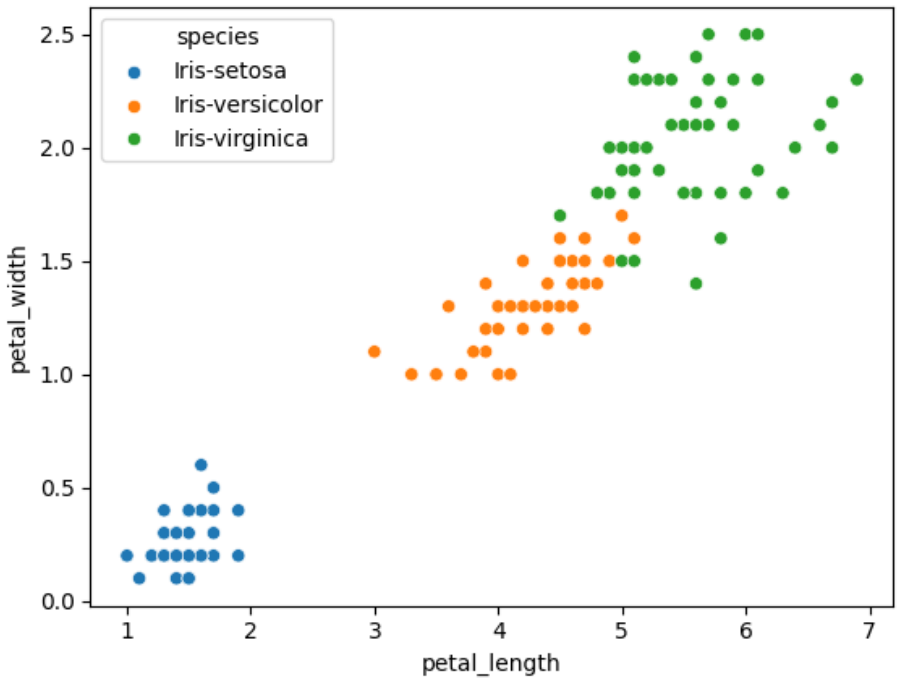

species
Iris-setosa
Iris-versicolor
Iris-virginica
petal_width
sepal_length
0.0
0.5
1.0
1.5
2.0
2.5
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0


species
Iris-setosa
Iris-versicolor
Iris-virginica
sepal_width
sepal_length
2.0
2.5
3.0
3.5
4.0
4.5
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0


species
Iris-setosa
Iris-versicolor
Iris-virginica
petal_length
sepal_length
1
2
3
4
5
6
7
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0

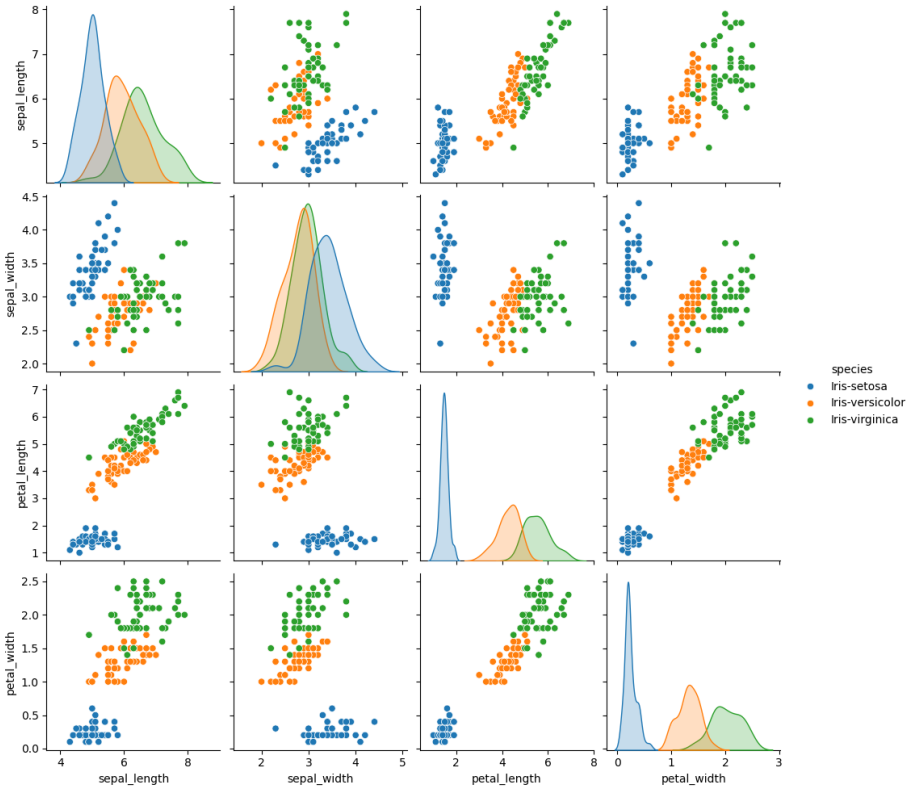

species
Iris-setosa
Iris-versicolor
Iris-virginica
petal_length
sepal_width
1
2
3
4
5
6
7
2.0
2.5
3.0
3.5
4.0
4.5






```
sns.pairplot(df,diag_kind='kde',hue='species')
```

```
plt.show()
```


sepal_length
sepal_width
petal_length
petal_width
species
Iris-setosa
Iris-versicolor
Iris-virginica