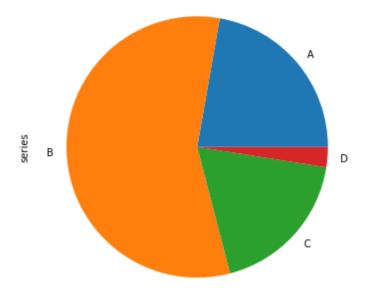
In [1]: ▶

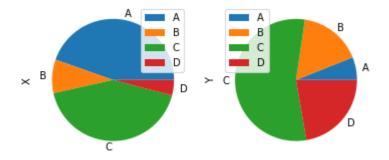
A 0.958683 B 2.451032 C 0.795151 D 0.107733 Name: series, dtype: float64



In [5]: ▶

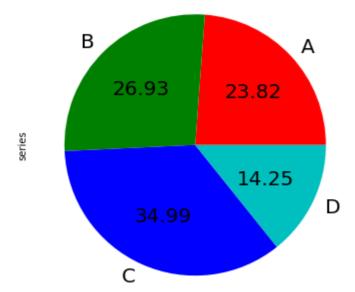
```
X Y
A 2.118874 0.239624
B 0.422719 0.660457
C 2.014499 2.187678
D 0.194507 0.884079
```

<Figure size 432x288 with 0 Axes>



In [6]: ▶

A 1.742623 B 1.970329 C 2.559763 D 1.042423 Name: series, dtype: float64



In [7]:

H

A 0.1 B 0.1 C 0.1 D 0.1

Name: series2, dtype: float64



Csein

In [9]:

N

```
# Data Visualization with Seaborn
# What is seaborn?
# Seaborn is based on and built on top of Matplotlib. It provides a lot
# of functionality for drawing attractive graphics. It has built-in
# support for the series and dataframe data structures in Pandas
# and for Ndarrays in NumPy. The following command returns the list of
# all the built-in sample dataframes:

import seaborn as sns
sns.get_dataset_names()
```

Out[9]:

```
['anagrams',
 'anscombe',
 'attention',
 'brain_networks',
 'car_crashes',
 'diamonds',
 'dots',
 'exercise',
 'flights',
 'fmri',
 'gammas',
 'geyser',
 'iris',
 'mpg',
 'penguins',
 'planets',
 'taxis',
 'tips',
 'titanic']
```

In [10]: ▶

```
# You can load these dataframes into Python variables as follows:
iris = sns.load_dataset('iris')
```

In [11]: ▶

Let's see the data stored in the iris dataset with the following
statement:

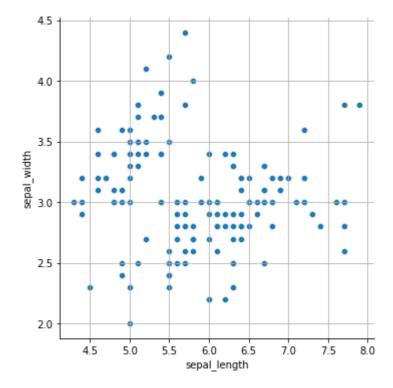
iris

Out[11]:

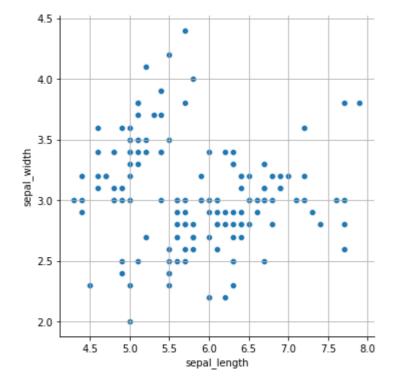
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

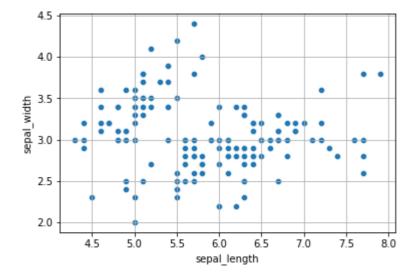
In [13]:



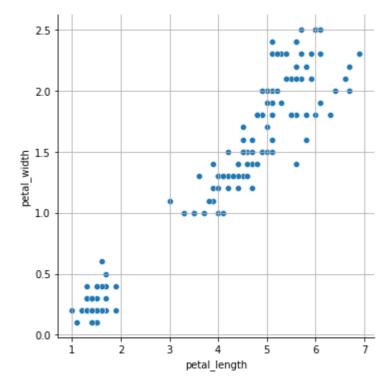
In [14]: ▶



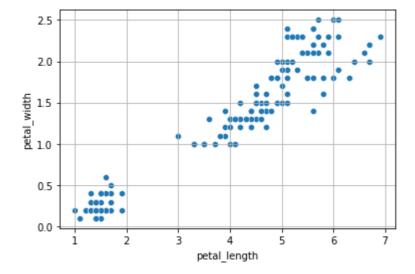
In [15]: ▶



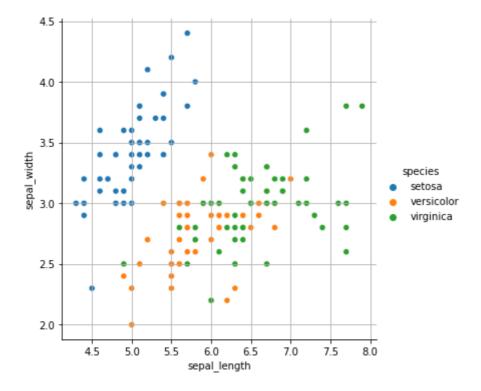
In [16]: ▶



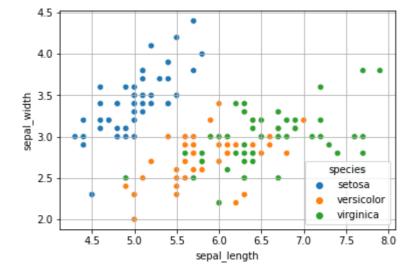
In [17]: ▶



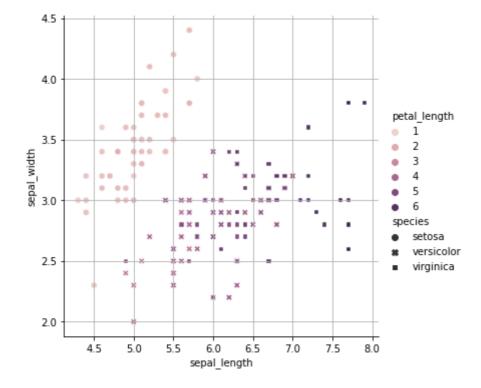
In [18]: ▶



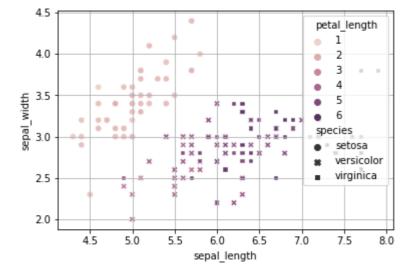
In [19]: ▶



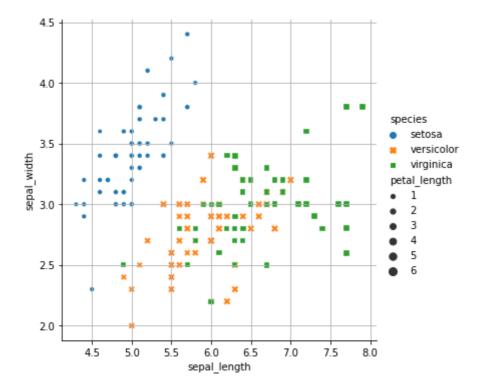
In [20]: ▶



In [21]:



In [22]:



In [23]:

