

Import Libraries and make graphs

Load data set

```
In [4]: import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")
i
```

```
Out[4]:
```

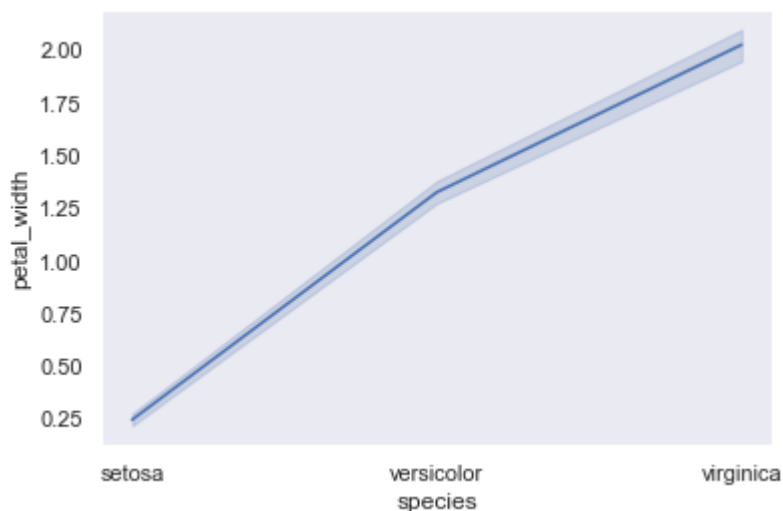
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica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

150 rows × 5 columns

Draw a line plot

```
In [24]: import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")

#draw a line plot
sns.lineplot(x="species", y="petal_width", data=i)
plt.show()
```



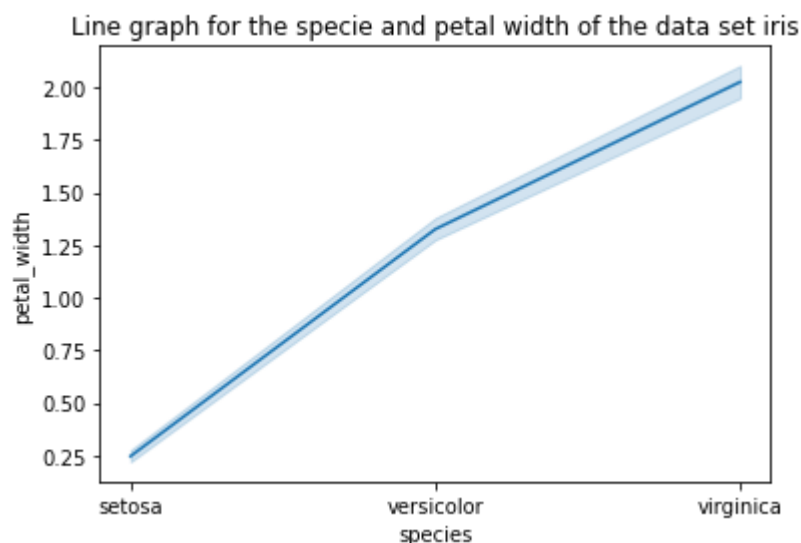
Adding heading of the line plot

In [7]:

```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")

#draw a line plot
sns.lineplot(x="species", y="petal_width", data=i)

#add title of plot
plt.title("Line graph for the specie and petal width of the data set iris")
plt.show()
```



Adding limit to the x-axis or y-axis

In [8]:

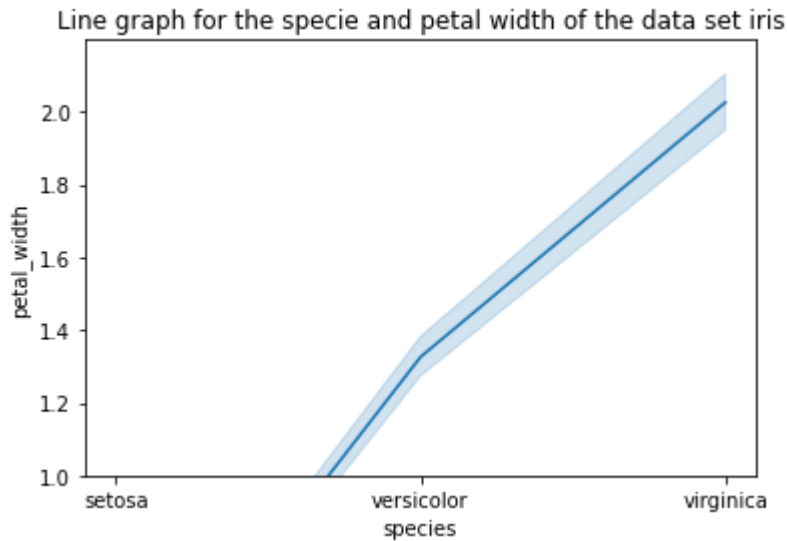
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")

#draw a line plot
```

```
sns.lineplot(x="species", y="petal_width", data=i)

#Adding limit to the y-axis because x-axis is not numeric
plt.ylim(1)

#add title of plot
plt.title("Line graph for the specie and petal width of the data set iris")
plt.show()
```



Change the styles

- Dark grid
- White grid
- White
- ticks
- Dark

In [11]:

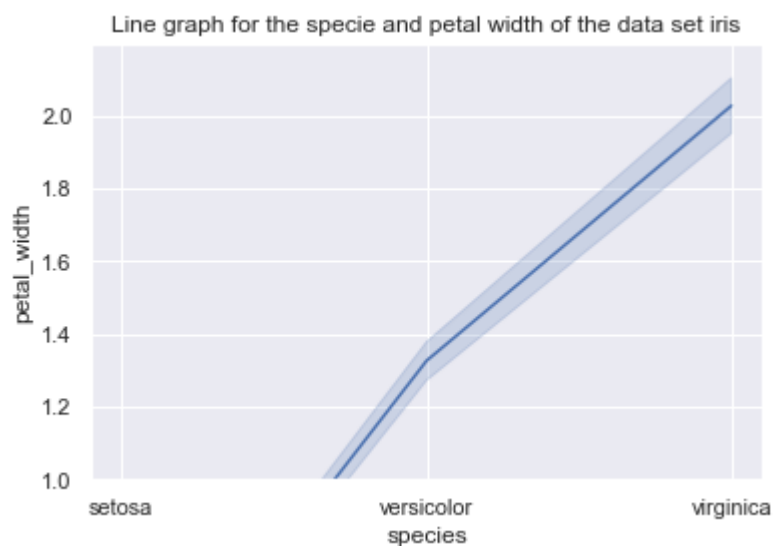
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")

#draw a line plot
sns.lineplot(x="species", y="petal_width", data=i)

#Adding limit to the y-axis because x-axis is not numeric
plt.ylim(1)

#Adding the syle of graph
sns.set(style="dark")

#add title of plot
plt.title("Line graph for the specie and petal width of the data set iris")
plt.show()
```



Size of polt

In [22]:

```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")

# Size of figure
plt.figure(figsize= (9,6))

#draw a line plot
sns.lineplot(x="species", y="petal_width", data=i)

# #Adding limit to the y-axis because x-axis is not numeric
# #plt.ylim(1)

# #Adding the syle of graph
# sns.set(style="dark")

#add title of plot
plt.title("Line graph for the specie and petal width of the data set iris")
plt.show()
```

