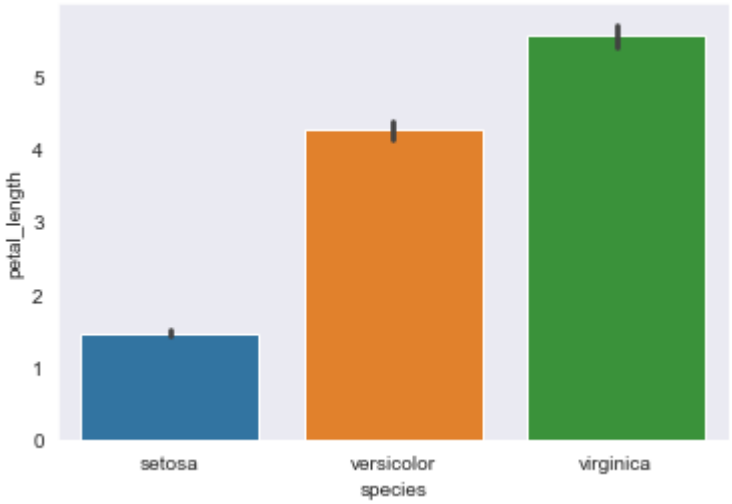
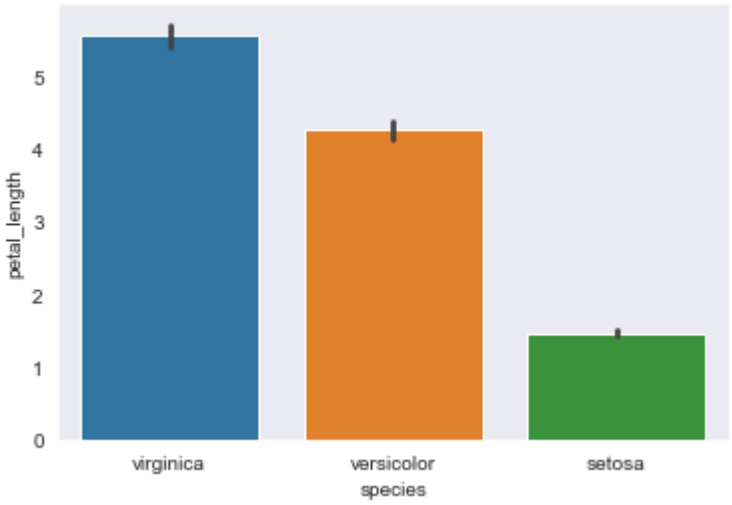
02 - Bar plot

In [1]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")


#bar plot
sns.barplot(x="species", y="petal_length", data=flowers)
plt.show()
```



- Change Plotting Order of the Data

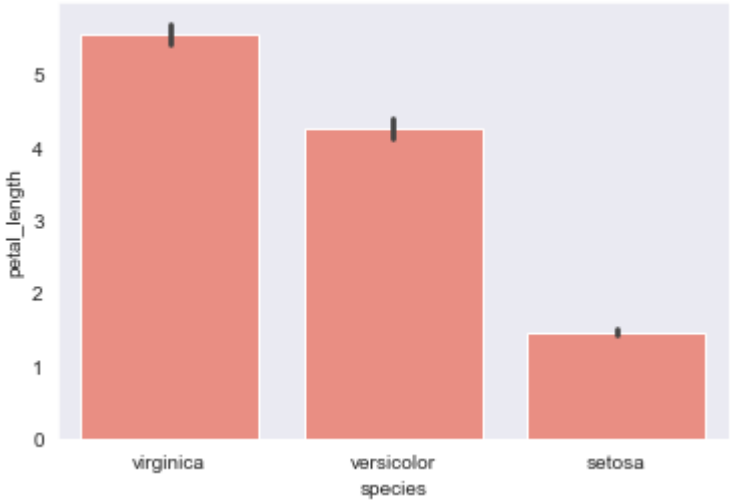
In [2]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")


#bar plot
sns.barplot(x="species", y="petal_length", data=flowers, order=["virginica", "versicolo
plt.show()
```



- Changing Color in a graph

In [3]:

```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")


#bar plot
sns.barplot(x="species", y="petal_length", data=flowers, order=["virginica", "versicolo
plt.show()
```

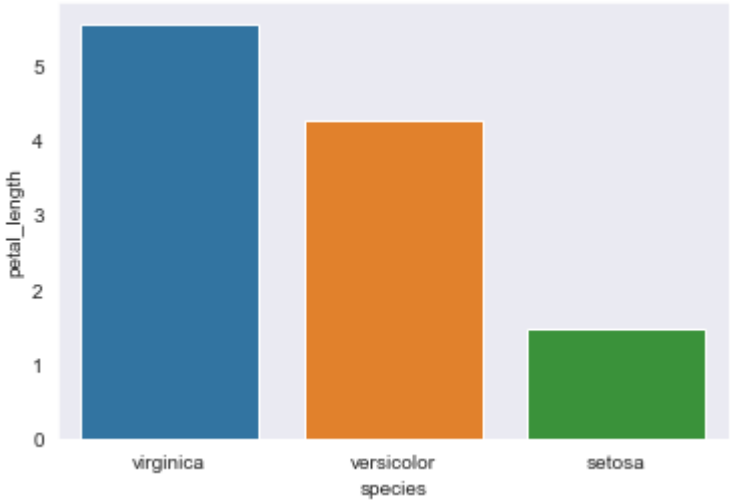


- Confidence interval removal, or ci or error bar

In [4]:

```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
```

```
#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")


#bar plot
sns.barplot(x="species", y="petal_length", data=flowers, order=["virginica", "versicolo
plt.show()
```

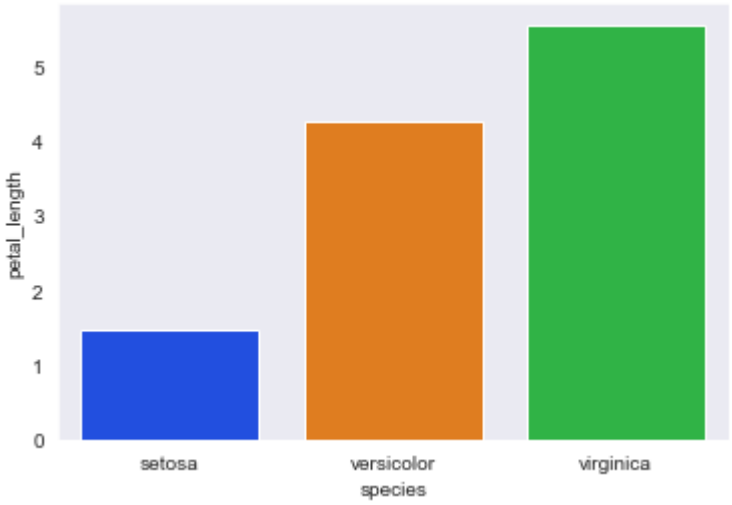


- palette from seabon library

- https://seaborn.pydata.org/tutorial/color_palettes.html

In [5]:

```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")


#bar plot
sns.barplot(x="species", y="petal_length", data=flowers,  ci=None, palette="bright")

## more info about palette from seabon library
### https://seaborn.pydata.org/tutorial/color_palettes.html

plt.show()
```

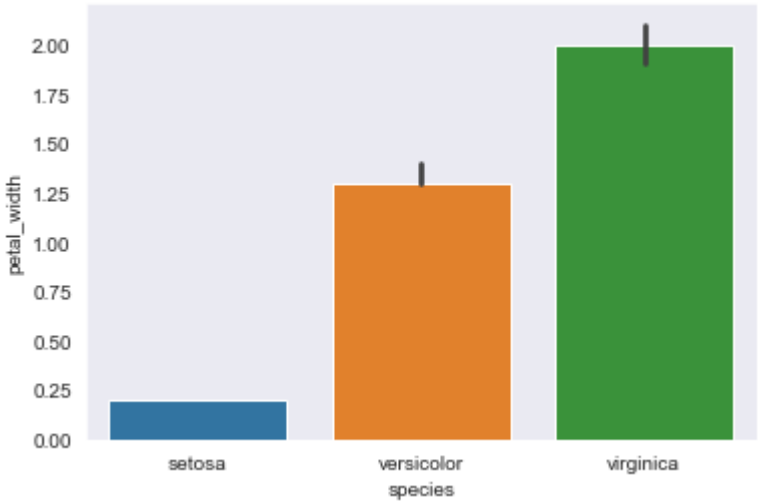


- Using estimator - mean and median

In [6]:

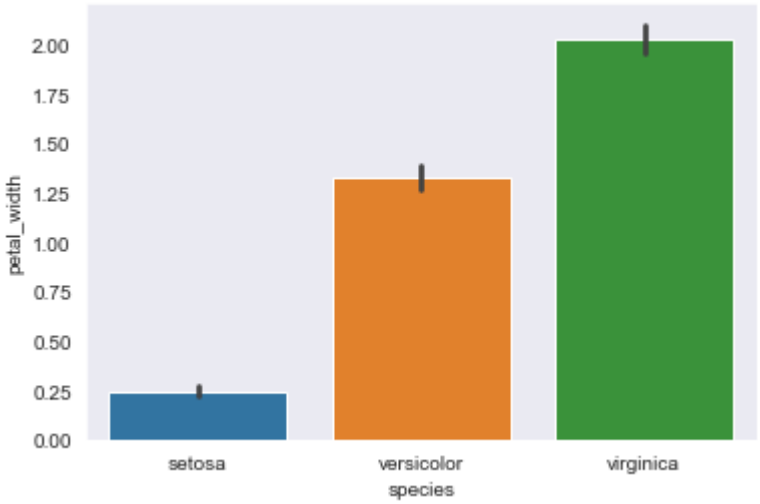
```
#import libraries
import seaborn as sns
from numpy import median
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")
print(flowers)

#bar plot
sns.barplot(x="species", y="petal_width", data=flowers,  estimator= median)

## more info about palette from seabon library
### https://seaborn.pydata.org/tutorial/color_palettes.html

plt.show()
```

```
     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 x 5 columns]
```



In [7]:

```
#import libraries
import seaborn as sns
from numpy import mean
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")

#bar plot
sns.barplot(x="species", y="petal_width", data=flowers,  estimator= mean)

## more info about palette from seabon library
### https://seaborn.pydata.org/tutorial/color_palettes.html

plt.show()
```

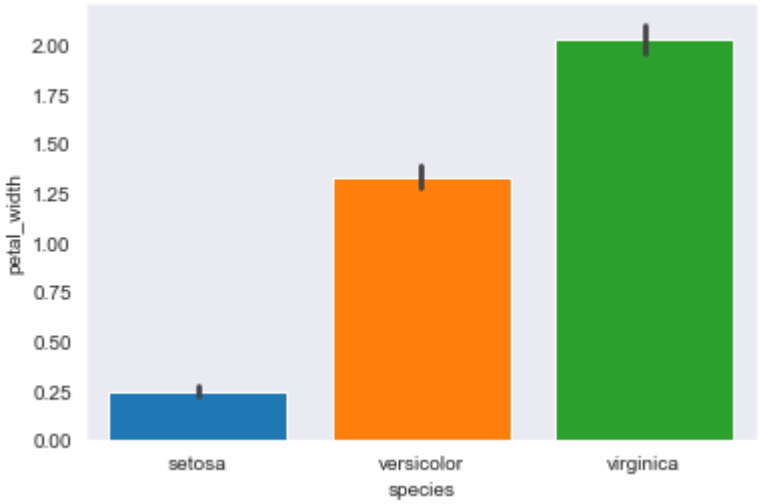


- Graph Saturation

In [8]:

```
#import libraries
import seaborn as sns
import numpy
```

```
import matplotlib.pyplot as plt

#Set styles
sns.set_style("dark")

#Load data
flowers=sns.load_dataset("iris")

#bar plot
sns.barplot(x="species", y="petal_width", data=flowers,  estimator= mean, saturation=3)

## more info about palette from seabon library
### https://seaborn.pydata.org/tutorial/color_palettes.html

plt.show()
```



In [ ]: