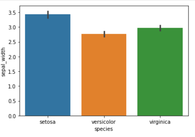
In [ ]:
```
# Import libraries
import seaborn as sns
import matplotlib.pyplot as plt
```

In [ ]:
```
# Load dataset
phool = sns.load_dataset("iris")
phool.head()
```

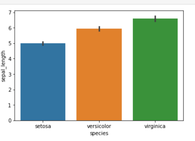
Out[ ]:

	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

In [ ]:
```
# Draw a bar plot
sns.barplot(x="species", y="sepal_width", data=phool)
plt.show();
```



In [ ]:
```
# Draw a bar plot
sns.barplot(x="species", y="sepal_length", data=phool)
plt.show();
```

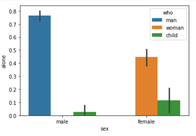


In [ ]:
```
# Load kashti dataset
kashti = sns.load_dataset("titanic")
kashti.head()
```

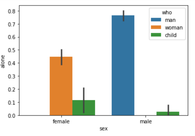
Out[ ]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True

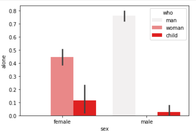
In [ ]:
```
# Draw a bar plot (color different categories)
sns.barplot(x="sex", y="alone", hue="who", data=kashti)
plt.show();
```



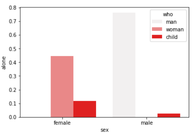
In [ ]:
```
# Draw a bar plot (change the order)
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", "male"])
plt.show();
```



In [ ]:
```
# Draw a bar plot (use of color and change order)
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", "male"], color='red')
plt.show();
```

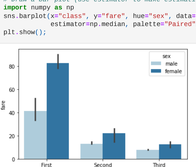


In [ ]:
```
# Draw a bar plot (remove error bars)
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", "male"], color='red', ci=None)
plt.show();
```

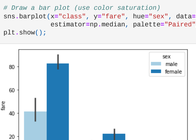


In [ ]:
```
# Draw a bar plot (use of seaborn color palette)
sns.barplot(x="sex", y="alone", hue="who", data=kashti,
            order=["female", "male"], color='red', ci=None,
            palette="Paired")
plt.show();
```

In [ ]:
```
# Draw a bar plot (use estimator to make estimation within each categorical bin)
import numpy as np
sns.barplot(x="class", y="fare", hue="sex", data=kashti,
            estimator=np.median, palette="Paired")
plt.show();
```

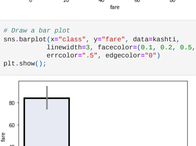


In [ ]:
```
# Draw a bar plot (use color saturation)
sns.barplot(x="class", y="fare", hue="sex", data=kashti,
            estimator=np.median, palette="Paired", saturation=1)
plt.show();
```



In [ ]:
```
# Draw a bar plot (horizontal)
sns.barplot(x="fare", y="class", hue="sex", data=kashti,
            estimator=np.median, palette="Paired", saturation=0.2)
plt.show();
```

In [ ]:
```
# Draw a bar plot
sns.barplot(x="class", y="fare", data=kashti,
            linewidth=3, facecolor=(0.1, 0.2, 0.5, 0.1),
            errcolor=".5", edgecolor="b")
plt.show();
```



What are the four components of facecolor?

facecolor recognizes the RGBA (red, green, blue, alpha) format to specify colors. It's a tuple of float values ranging from 0 to 1.