In [2]:
```python
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#load dataset
phool = sns.load_dataset("iris")
phool
# draw a barplot
sns.barplot(x="species", y="sepal_width", data=phool)
plt.show()
```
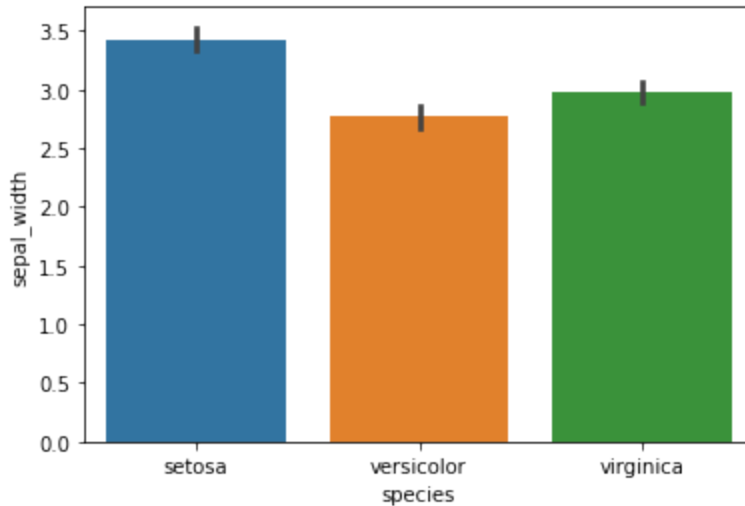

In [3]:
```python
phool
```

Out[3]:

	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 [4]:
```python
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#load dataset
phool = sns.load_dataset("iris")
```

Loading [MathJax]/extensions/Safe.js

```
phool
# draw a barplot
sns.barplot(x="species", y="petal_length", data=phool)
plt.show()
```
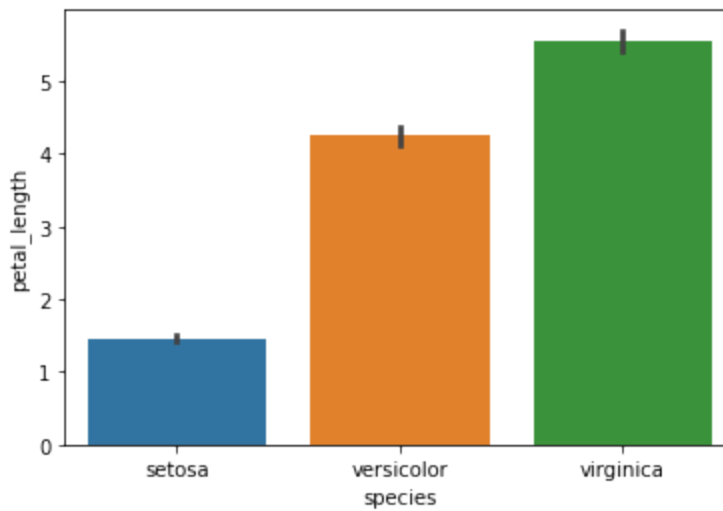


```
In [5]:   #import libraries
          import seaborn as sns
          import matplotlib.pyplot as plt
          #load dataset
          kashti = sns.load_dataset("titanic")
          kashti
```

Out[5]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN
...	...	...	...	...	...	...	...	...	...	...	...	...
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True	NaN
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False	B
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False	NaN
889	1	1	male	26.0	0	0	30.0000	C	First	man	True	C
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True	NaN

891 rows × 15 columns

```
In [9]:   import matplotlib.pyplot as plt
          #load dataset
          kashti = sns.load_dataset("titanic")
          kashti
```
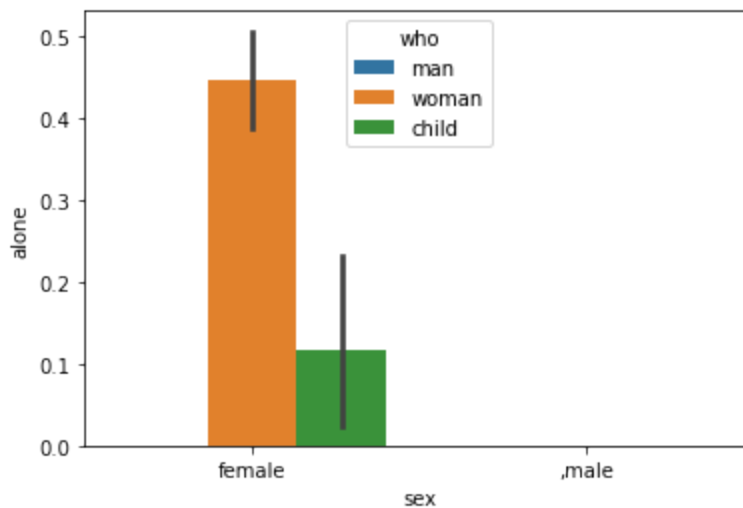
Loading [MathJax]/extensions/Safe.js

```
sns.barplot(x="sex", y="alone", hue="who", data=kashti)
plt.show()
```
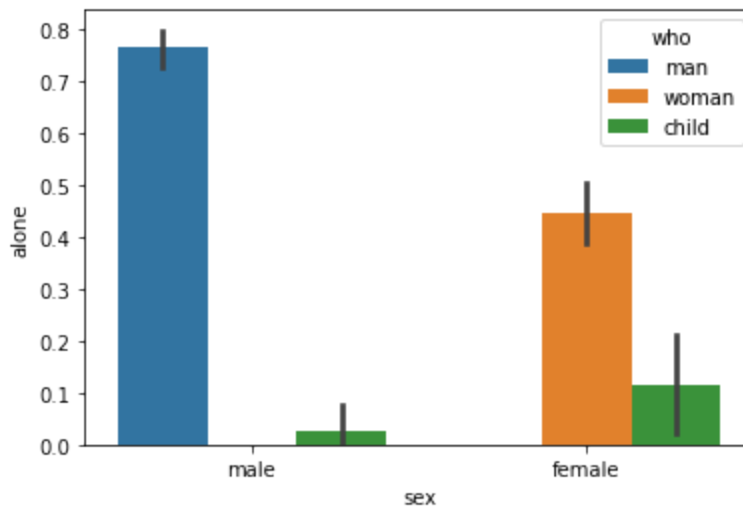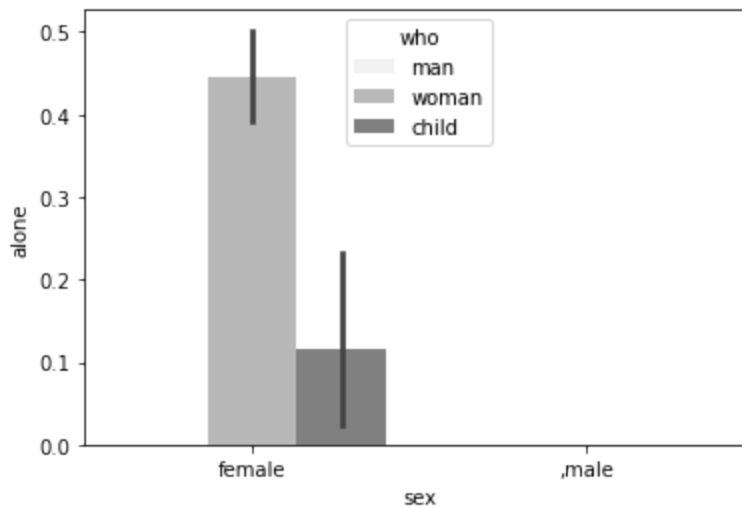

In [10]:
```
#Changing order of graph

import matplotlib.pyplot as plt
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", ",male"])
plt.show()
```
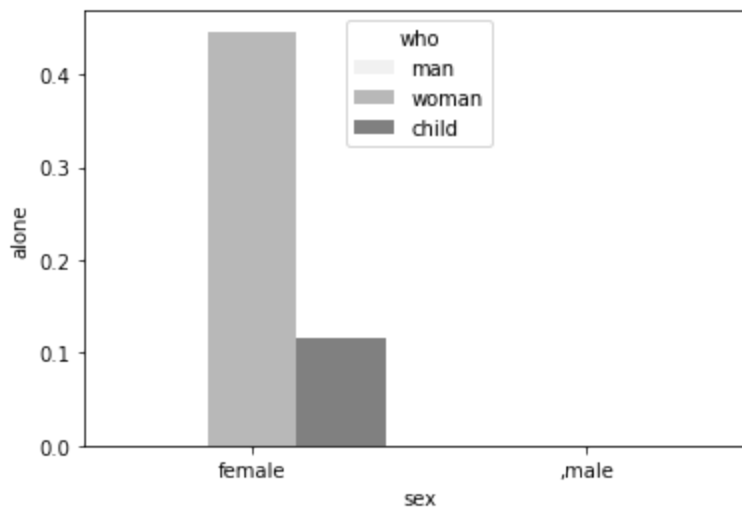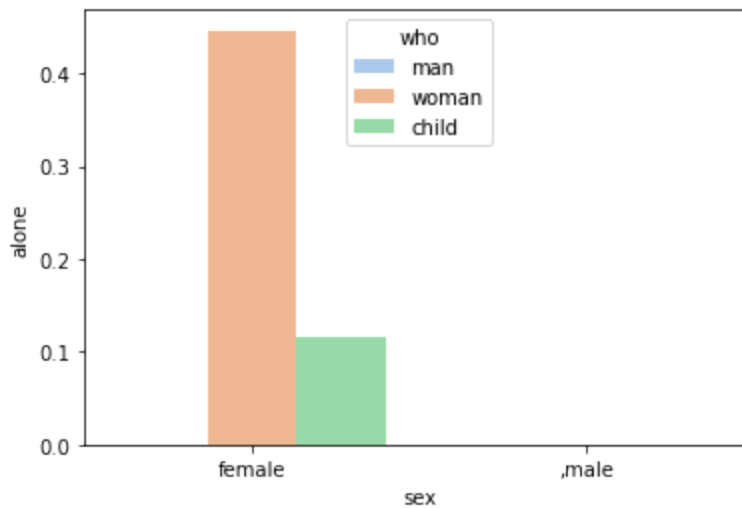

In [12]:
```
#Color_Palette

import matplotlib.pyplot as plt
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", ",male"], colo
plt.show()
```

Loading [MathJax]/extensions/Safe.js

In [14]:
```python
#Removing Confidence Interval

import matplotlib.pyplot as plt
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", ",male"], colo
plt.show()
```
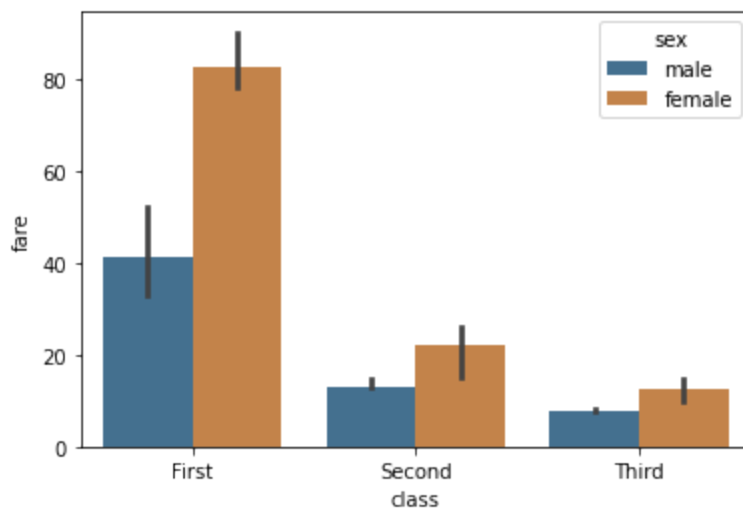

In [16]:
```python
#changing palette color

import matplotlib.pyplot as plt
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="sex", y="alone", hue="who", data=kashti, order=["female", ",male"], colo
plt.show()
```

Loading [MathJax]/extensions/Safe.js

In [23]:
```python
# adding estimator, estimator requires a numerical values and import numpy
import seaborn as sns
import matplotlib.pyplot as plt
from numpy import median
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="class", y="fare", hue="sex", data=kashti, estimator = median)
plt.show()
```
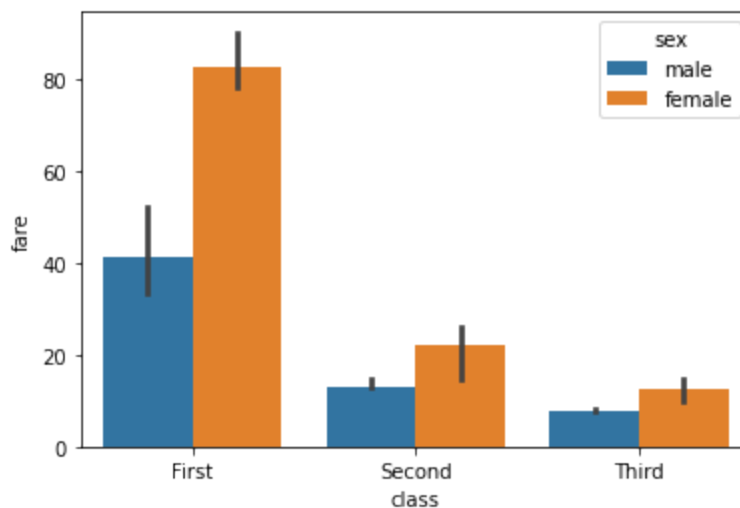

In [24]:
```python
# color saturation, color intensity
import seaborn as sns
import matplotlib.pyplot as plt
from numpy import median
#load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="class", y="fare", hue="sex", data=kashti, estimator = median, saturation
plt.show()
```
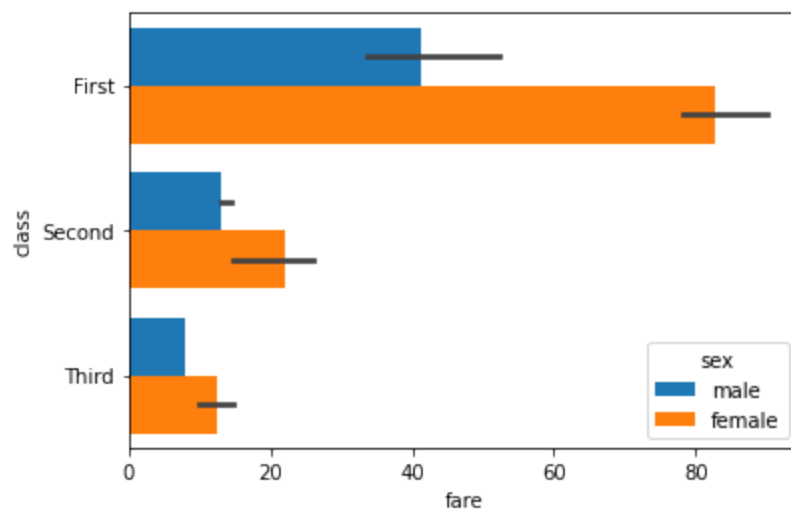
Loading [MathJax]/extensions/Safe.js

In [2]:
```python
# horizontal plot
# import libraries

import seaborn as sns
import matplotlib.pyplot as plt
import numpy

#load dataset

kashti = sns.load_dataset("titanic")
kashti
# draw a barplot
sns.barplot(x="fare", y="class", hue="sex", data=kashti, estimator = median, saturation
plt.show()
```
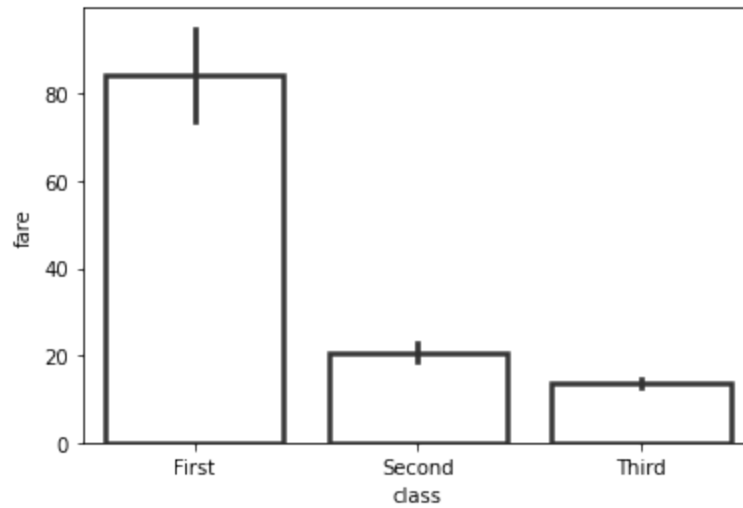

In [3]:
```python
# import libraries

import seaborn as sns
import matplotlib.pyplot as plt
import numpy

#load dataset

kashti = sns.load_dataset("titanic")
```

Loading [MathJax]/extensions/Safe.js

```python
# draw a barplot
sns.barplot(x="class", y="fare", data=kashti,
            linewidth=2.5, facecolor=(1,1,1,0),
            errcolor=".2", edgecolor=".2")
plt.show()
```


In [ ]: