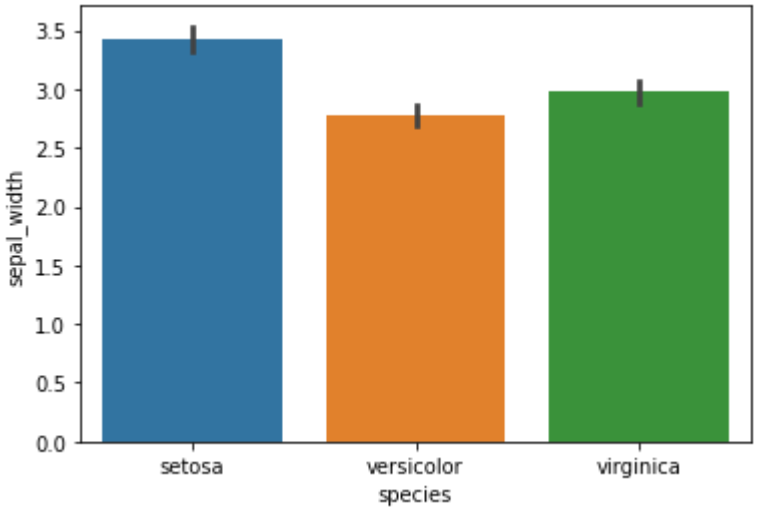
BarPlots

In [5]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
phool = sns.load_dataset("iris")
phool
#Draw a line plot
sns.barplot(x="species", y="sepal_width", data=phool)
plt.show()
```



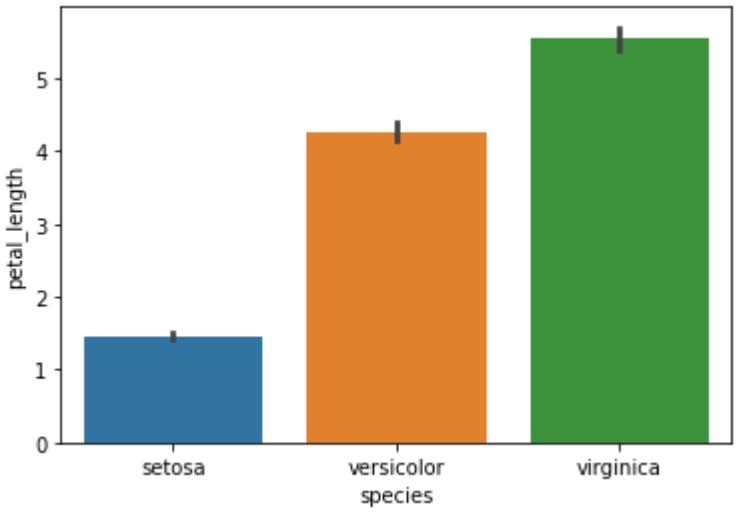
In [6]:
```
phool
```

Out[6]:

	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 [7]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
phool = sns.load_dataset("iris")
phool
#Draw a line plot
sns.barplot(x="species", y="petal_length", data=phool)
plt.show()
```



In [12]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
```

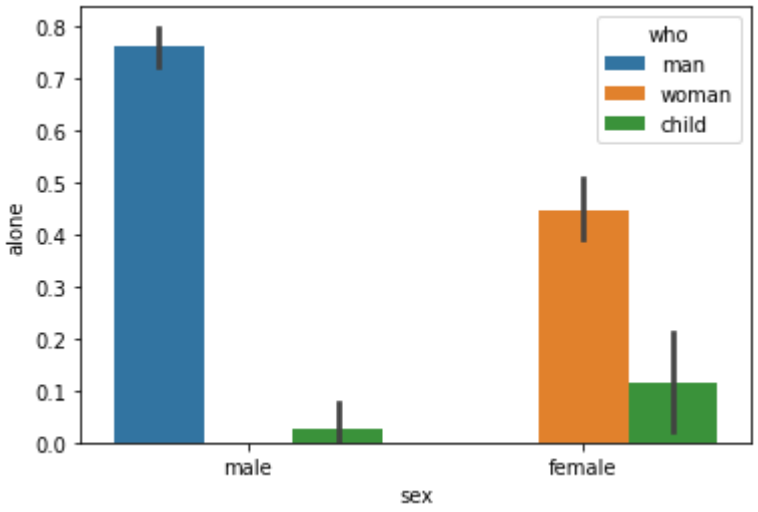
Out[12]:

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

891 rows × 15 columns

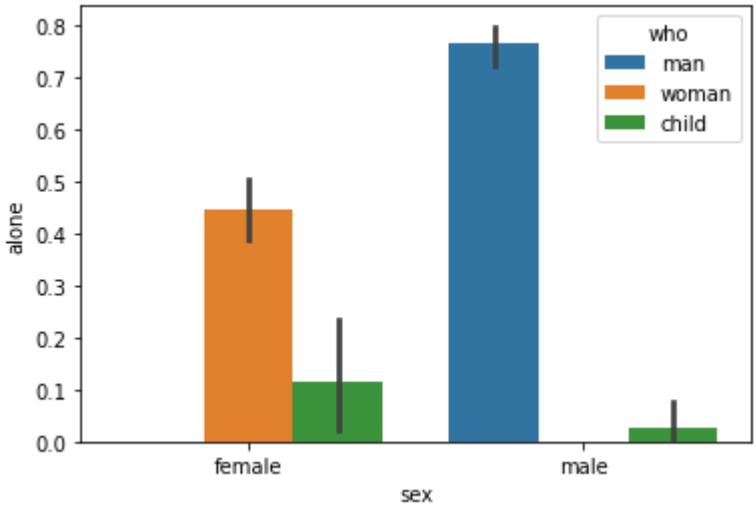
Third Variable Used

In [16]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="sex", y="alone", hue="who" ,data=boat)
plt.show()
```



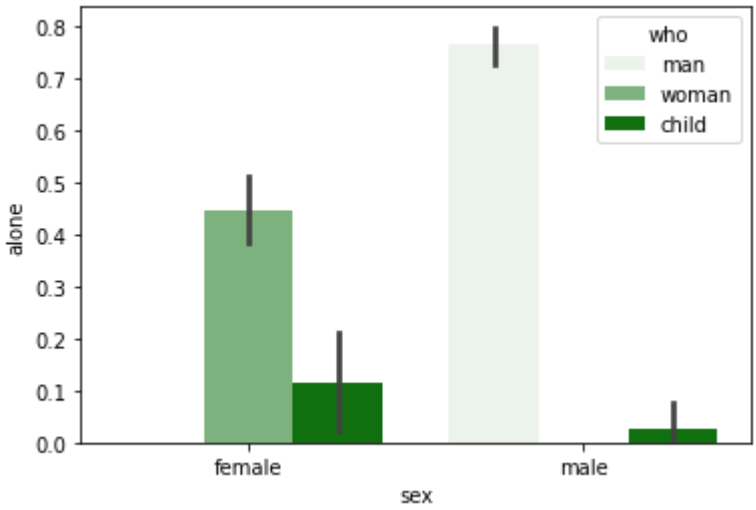
Set a Order

In [17]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="sex", y="alone", hue="who" ,data=boat, order= ["female", "male"])
plt.show()
```



Change The Colors

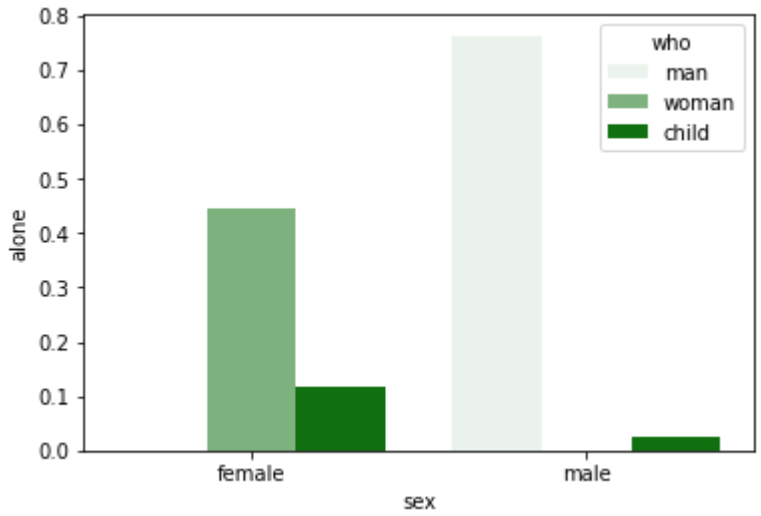
In [20]:
```
 #import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="sex", y="alone", hue="who" ,data=boat, order= ["female", "male"],color="
plt.show()
```



Remove the Error Bar from x-axis

In [23]:
```
 #import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
```

```
sns.barplot(x="sex", y="alone", hue="who" ,data=boat, order= ["female", "male"],color="
plt.show()
```

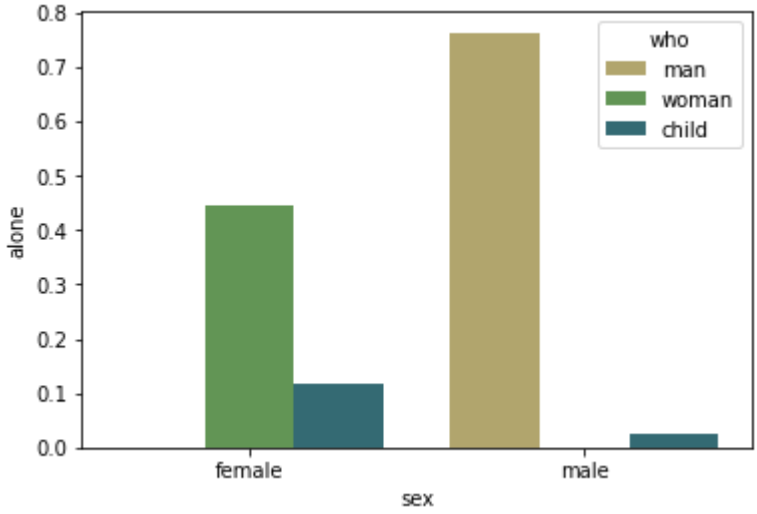


Used Differnt Palette

['Accent', 'Accent_r', 'Blues', 'Blues_r', 'BrBG', 'BrBG_r', 'BuGn', 'BuGn_r', 'BuPu', 'BuPu_r', 'CMRmap', 'CMRmap_r', 'Dark2', 'Dark2_r', 'GnBu', 'GnBu_r', 'Greens', 'Greens_r', 'Greys', 'Greys_r', 'OrRd', 'OrRd_r', 'Oranges', 'Oranges_r', 'PRGn', 'PRGn_r', 'Paired', 'Paired_r', 'Pastel1', 'Pastel1_r', 'Pastel2', 'Pastel2_r', 'PiYG', 'PiYG_r', 'PuBu', 'PuBuGn', 'PuBuGn_r', 'PuBu_r', 'PuOr', 'PuOr_r', 'PuRd', 'PuRd_r', 'Purples', 'Purples_r', 'RdBu', 'RdBu_r', 'RdGy', 'RdGy_r', 'RdPu', 'RdPu_r', 'RdYlBu', 'RdYlBu_r', 'RdYlGn', 'RdYlGn_r', 'Reds', 'Reds_r', 'Set1', 'Set1_r', 'Set2', 'Set2_r', 'Set3', 'Set3_r', 'Spectral', 'Spectral_r', 'Wistia', 'Wistia_r', 'YlGn', 'YlGnBu', 'YlGnBu_r', 'YlGn_r', 'YlOrBr', 'YlOrBr_r', 'YlOrRd', 'YlOrRd_r', 'afmhot', 'afmhot_r', 'autumn', 'autumn_r', 'binary', 'binary_r', 'bone', 'bone_r', 'brg', 'brg_r', 'bwr', 'bwr_r', 'cividis', 'cividis_r', 'cool', 'cool_r', 'coolwarm', 'coolwarm_r', 'copper', 'copper_r', 'cubehelix', 'cubehelix_r', 'flag', 'flag_r', 'gist_earth', 'gist_earth_r', 'gist_gray', 'gist_gray_r', 'gist_heat', 'gist_heat_r', 'gist_ncar', 'gist_ncar_r', 'gist_rainbow', 'gist_rainbow_r', 'gist_stern', 'gist_stern_r', 'gist_yarg', 'gist_yarg_r', 'gnuplot', 'gnuplot2', 'gnuplot2_r', 'gnuplot_r', 'gray', 'gray_r', 'hot', 'hot_r', 'hsv', 'hsv_r', 'icefire', 'icefire_r', 'inferno', 'inferno_r', 'magma', 'magma_r', 'mako', 'mako_r', 'nipy_spectral', 'nipy_spectral_r', 'ocean', 'ocean_r', 'pink', 'pink_r', 'plasma', 'plasma_r', 'prism', 'prism_r', 'rainbow', 'rainbow_r', 'rocket', 'rocket_r', 'seismic', 'seismic_r', 'spring', 'spring_r', 'summer', 'summer_r', 'tab10', 'tab10_r', 'tab20', 'tab20_r', 'tab20b', 'tab20b_r', 'tab20c', 'tab20c_r', 'terrain', 'terrain_r', 'twilight', 'twilight_r', 'twilight_shifted', 'twilight_shifted_r', 'viridis', 'viridis_r', 'vlag', 'vlag_r', 'winter', 'winter_r']

In [29]:

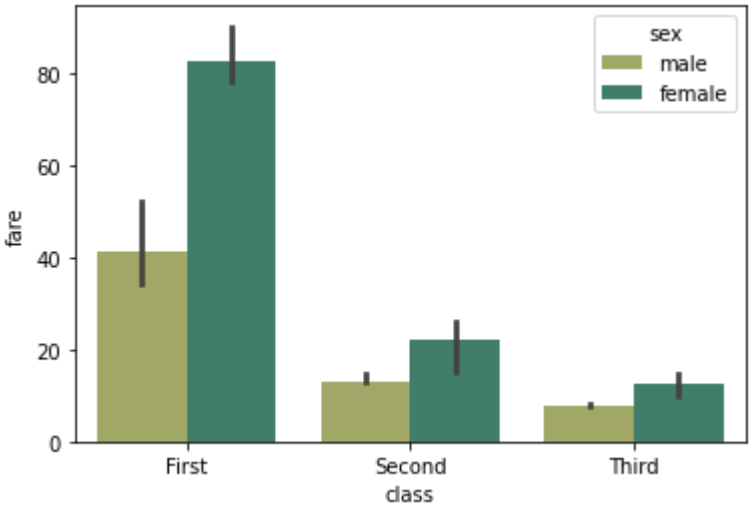
```
 #import libraries
import seaborn as sns
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="sex", y="alone", hue="who" ,data=boat, order= ["female", "male"],color="
plt.show()
```



Estimator in Seaborn

- Median

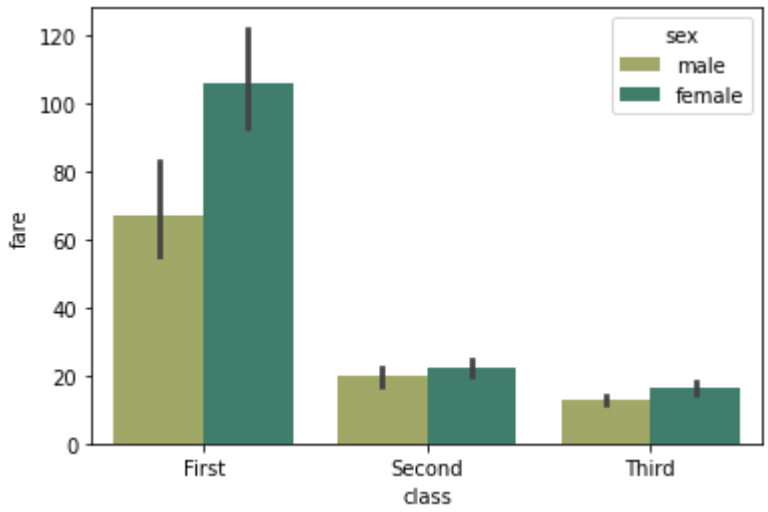
In [34]:
```
 #import libraries
import seaborn as sns
from numpy import median
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="class", y="fare", hue="sex" ,data=boat,   palette='gist_earth_r', estima
plt.show()
```



Mean

In [37]:
```
 #import libraries
import seaborn as sns
import numpy
import matplotlib.pyplot as plt
```

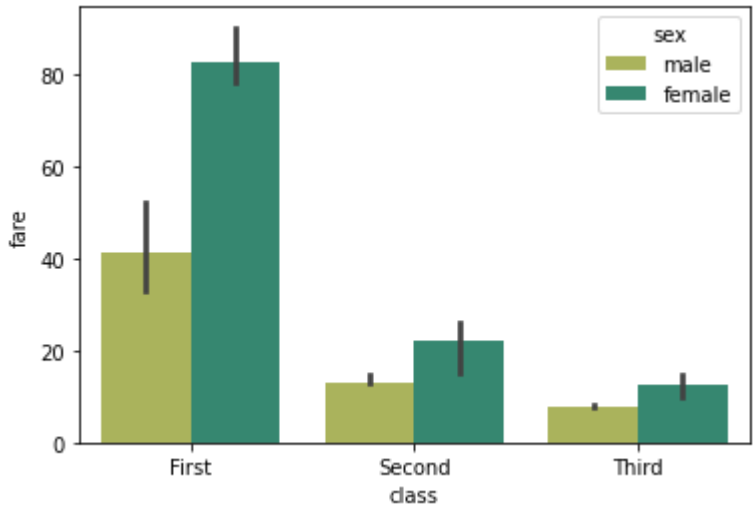
```
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="class", y="fare", hue="sex" ,data=boat,   palette='gist_earth_r', estima
plt.show()
```



Saturation

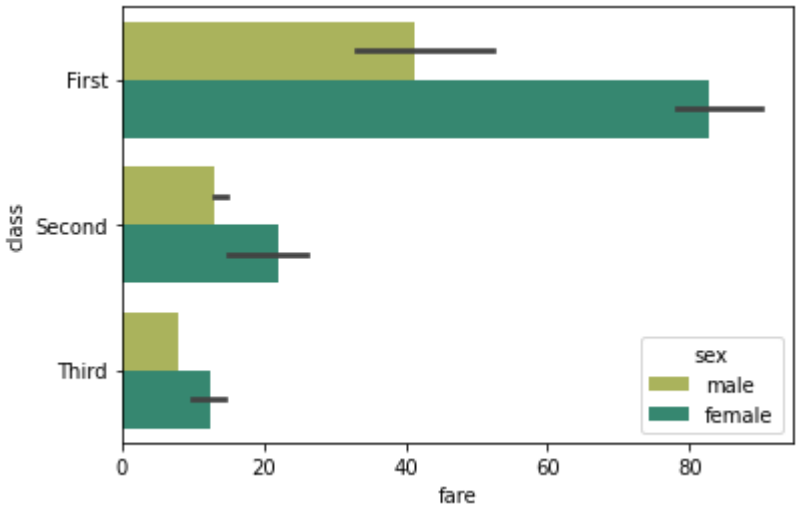
In [40]:

```
 #import libraries
import seaborn as sns
from numpy import median
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="class", y="fare", hue="sex" ,data=boat,   palette='gist_earth_r', estima
plt.show()
```



Horizontal Plots

In [41]:
```
 #import libraries
import seaborn as sns
from numpy import median
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="fare", y="class", hue="sex" ,data=boat,   palette='gist_earth_r', estima
plt.show()
```



In [ ]:
```

```

In [48]:
```
 #import libraries
import seaborn as sns
from numpy import median
import matplotlib.pyplot as plt
#Load dataset
boat = sns.load_dataset("titanic")
boat
#Draw a line plot
sns.barplot(x="class", y="fare", data=boat, linewidth=3, facecolor=(0.3,0.5,0.3,0.5), e
plt.show()
```