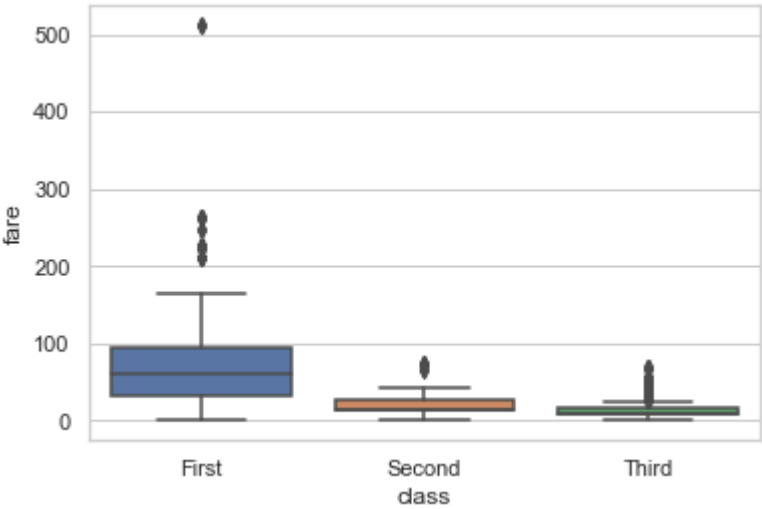


```
In [1]: # import library
import seaborn
# canvas (balloon board)
seaborn.set(style="whitegrid")
#
kashti=seaborn.load_dataset("titanic")
seaborn.boxplot(x="class",
                y="fare",
                data=kashti)
```

Out[1]: <AxesSubplot:xlabel='class', ylabel='fare'>



```
In [2]: import seaborn
seaborn.set(style='whitegrid')

tip=seaborn.load_dataset('tips')
tip
```

Out[2]:

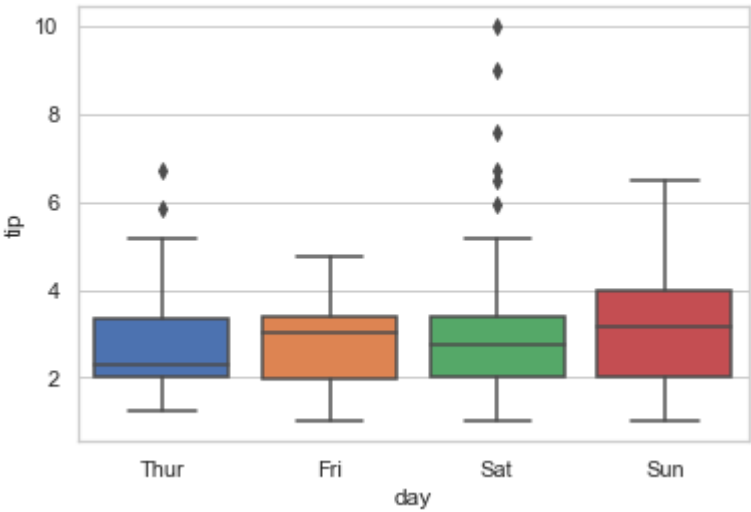
	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4
...
239	29.03	5.92	Male	No	Sat	Dinner	3
240	27.18	2.00	Female	Yes	Sat	Dinner	2
241	22.67	2.00	Male	Yes	Sat	Dinner	2
242	17.82	1.75	Male	No	Sat	Dinner	2
243	18.78	3.00	Female	No	Thur	Dinner	2

244 rows × 7 columns

```
In [3]: import seaborn
seaborn.set(style='whitegrid')

tip=seaborn.load_dataset('tips')
tip
seaborn.boxplot(x='day',y='tip',data=tip,saturation=1)
```

Out[3]: <AxesSubplot:xlabel='day', ylabel='tip'>



```
In [4]: import seaborn as sns
import pandas as pf
import numpy as np

tip=sns.load_dataset('tips')
tip
```

Out[4]:

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4
...
239	29.03	5.92	Male	No	Sat	Dinner	3
240	27.18	2.00	Female	Yes	Sat	Dinner	2
241	22.67	2.00	Male	Yes	Sat	Dinner	2
242	17.82	1.75	Male	No	Sat	Dinner	2
243	18.78	3.00	Female	No	Thur	Dinner	2

244 rows × 7 columns

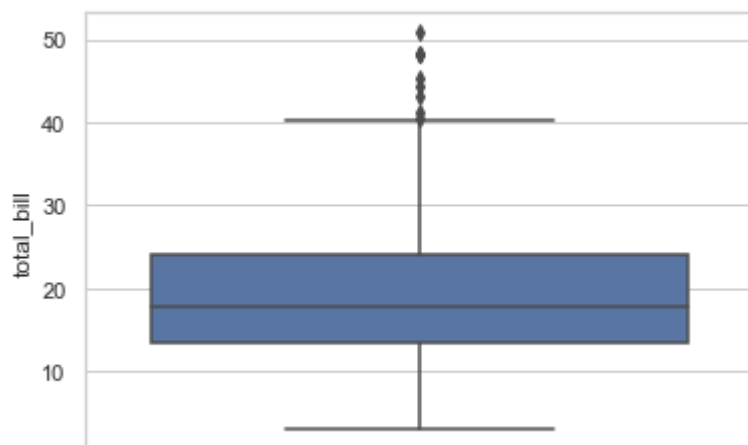
```
In [5]: tip.describe()
```

```
Out[5]:
```

	total_bill	tip	size
count	244.000000	244.000000	244.000000
mean	19.785943	2.998279	2.569672
std	8.902412	1.383638	0.951100
min	3.070000	1.000000	1.000000
25%	13.347500	2.000000	2.000000
50%	17.795000	2.900000	2.000000
75%	24.127500	3.562500	3.000000
max	50.810000	10.000000	6.000000

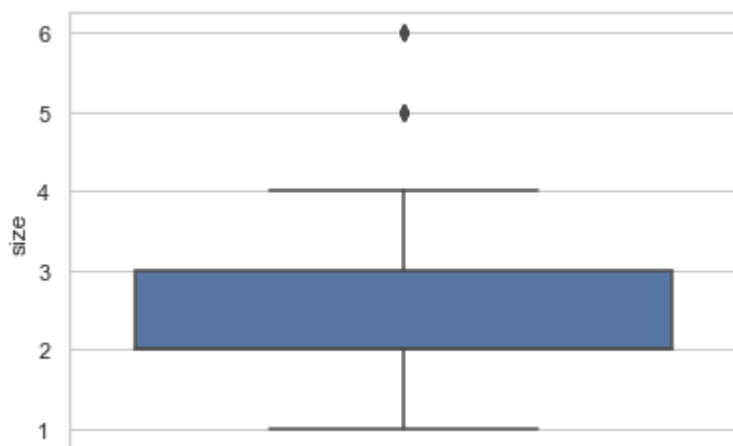
```
In [6]: # Importing the required module
import seaborn as sns
# use to set style of background of plot
sns.set(style="whitegrid")
# Loading data.set
tip=sns.load_dataset("tips")
sns.boxplot(y=tip['total_bill'])
```

```
Out[6]: <AxesSubplot:ylabel='total_bill'>
```



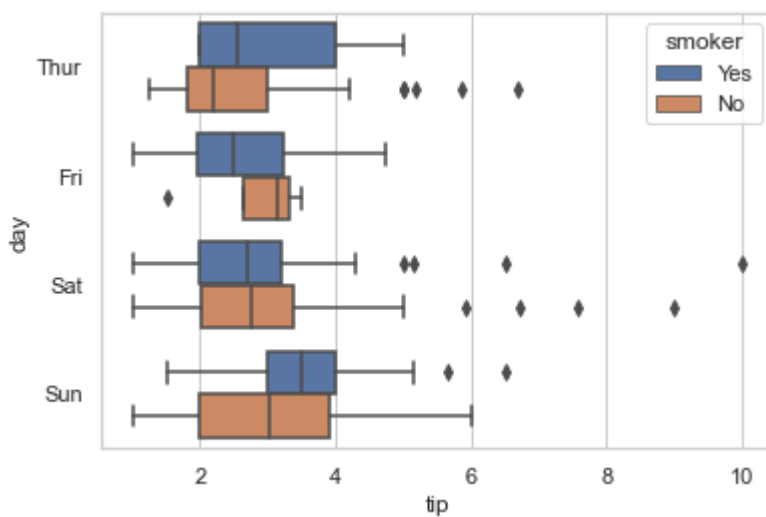
```
In [7]: # Importing the required module
import seaborn as sns
# use to set style of background of plot
sns.set(style="whitegrid")
# Loading data.set
tip=sns.load_dataset("tips")
sns.boxplot(y=tip['size'])
```

```
Out[7]: <AxesSubplot:ylabel='size'>
```



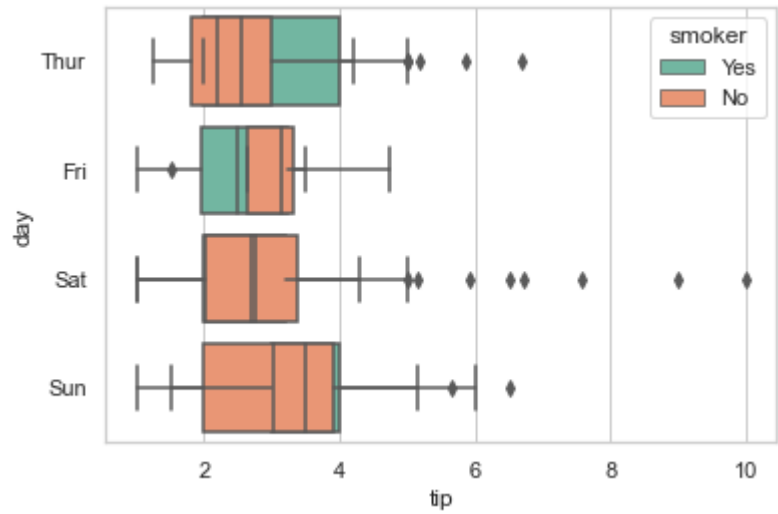
```
In [8]: # Importing the required module
import seaborn as sns
# use to set style of background of plot
sns.set(style="whitegrid")
# Loading data.set
tip=sns.load_dataset("tips")
sns.boxplot(x="tip",y="day",hue="smoker",data=tip)
```

Out[8]: <AxesSubplot:xlabel='tip', ylabel='day'>



```
In [9]: # Importing the required module
import seaborn as sns
# use to set style of background of plot
sns.set(style="whitegrid")
# Loading data.set
tip=sns.load_dataset("tips")
sns.boxplot(x="tip",y="day",hue="smoker",data=tip,
            palette="Set2",dodge=False)
```

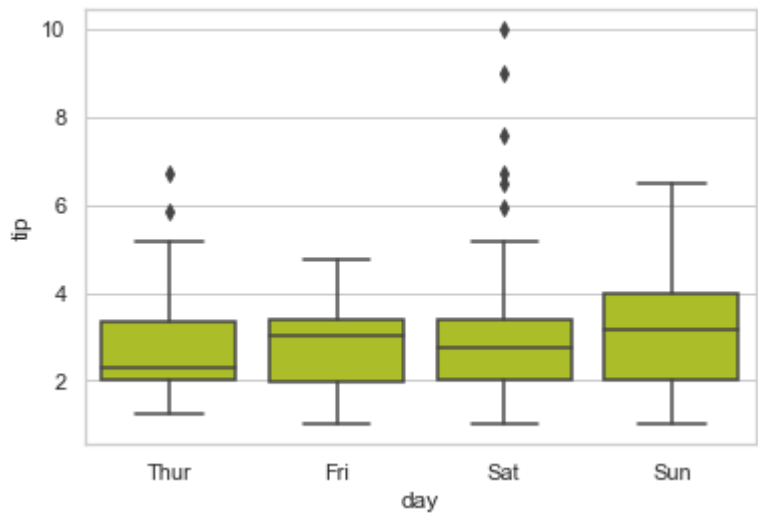
Out[9]: <AxesSubplot:xlabel='tip', ylabel='day'>



```
In [10]: import seaborn as sns
sns.set(style='whitegrid')

tip=sns.load_dataset('tips')
tip
sns.boxplot(x='day',y='tip',data=tip,color="#bfd611")
```

Out[10]: <AxesSubplot:xlabel='day', ylabel='tip'>



```
In [11]: # import Libraries
import seaborn as sns
import pandas as pd
import numpy as np

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

Out[11]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	e
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	5
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	5

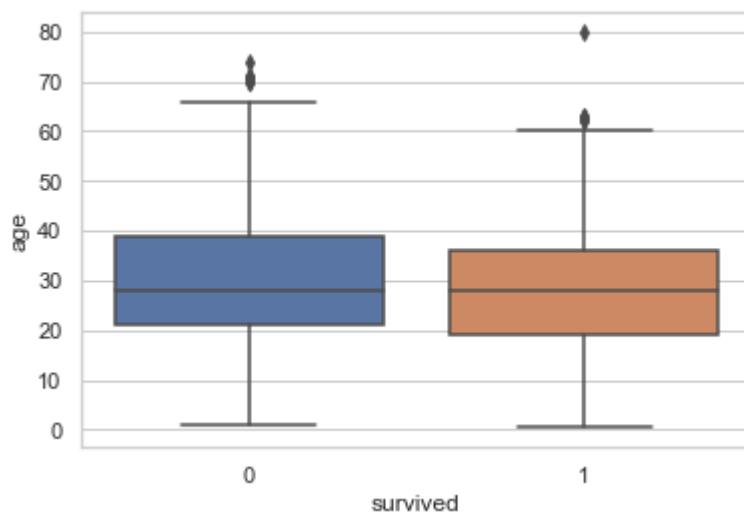
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	e
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	9
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	9

In [12]:

```
import seaborn as sns
import pandas as pd
import numpy as np

kashti=sns.load_dataset("titanic")
sns.boxplot(x="survived",
            y="age",
            data=kashti)
```

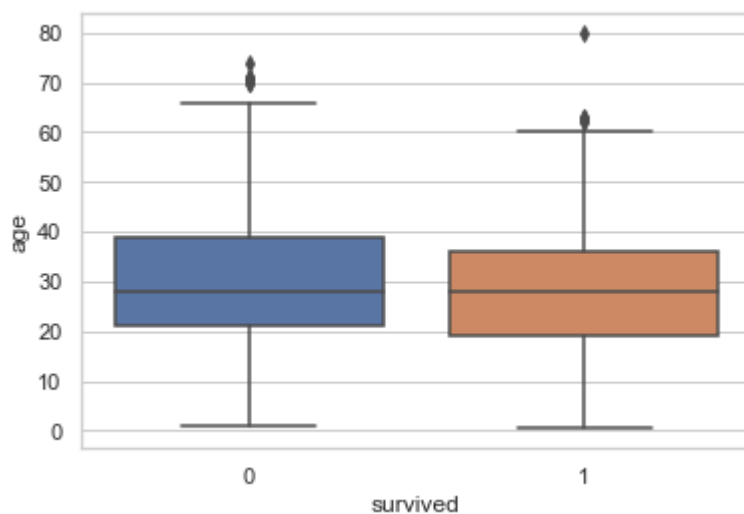
Out[12]: <AxesSubplot:xlabel='survived', ylabel='age'>



In [13]:

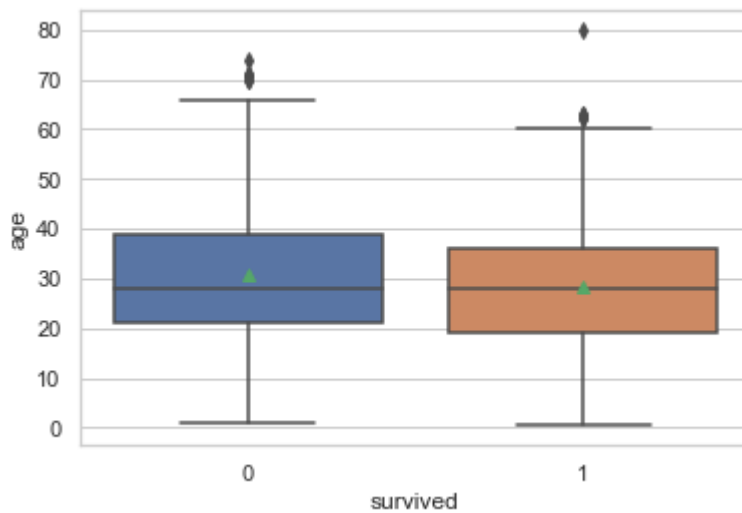
```
sns.boxplot(x="survived",
            y="age",
            data=kashti)
```

Out[13]: <AxesSubplot:xlabel='survived', ylabel='age'>

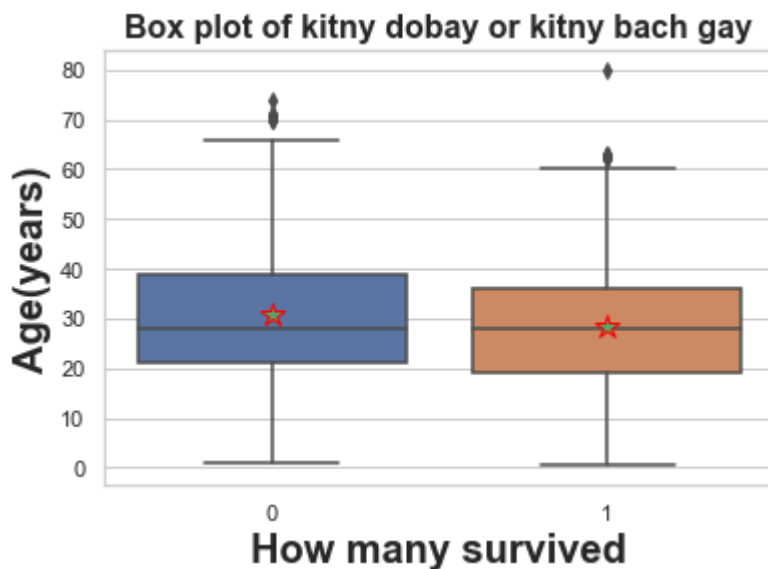


```
In [14]: sns.boxplot(x="survived",
                    y="age", showmeans=True,
                    data=kashti)
```

```
Out[14]: <AxesSubplot:xlabel='survived', ylabel='age'>
```



```
In [25]: import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
sns.boxplot(x="survived",
            y="age", showmeans=True,
            meanprops={"marker": "*",
                      "markersize": "12",
                      "markeredgecolor": "red"},
            data=kashti)
# show labels
plt.xlabel("How many survived", size=20, weight="bold"),
plt.ylabel("Age(years)", size=20, weight="bold"),
plt.title("Box plot of kitny dobay or kitny bach gay", size=16, weight="bold")
plt.show()
```



In []:

