

# Assignment5

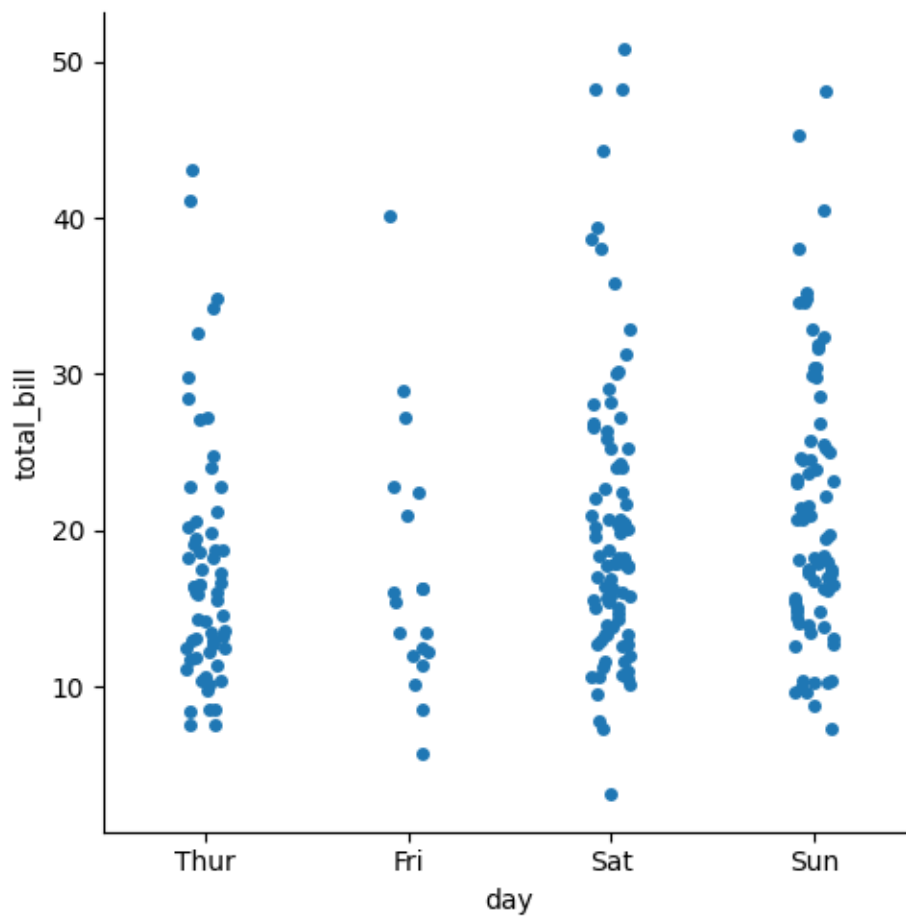
Name : Ayush Kalemgh

Roll No. 525

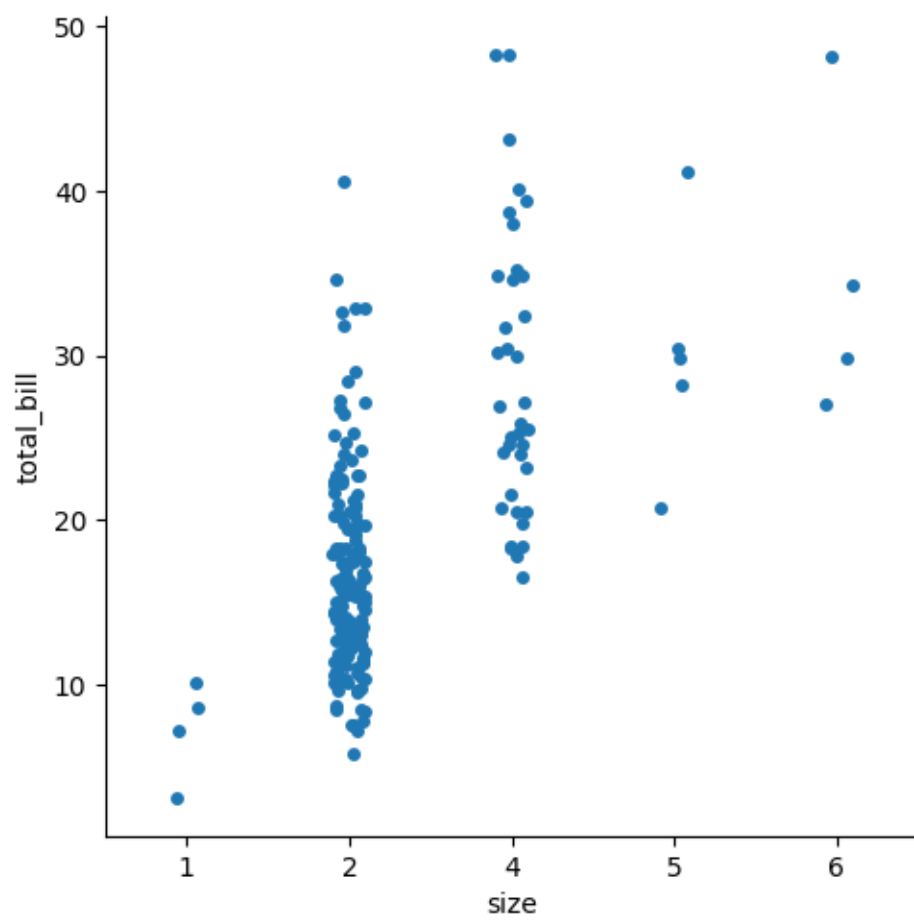
Batch: E2

```
import numpy as np
import pandas as pd
import seaborn as sns
from matplotlib import pyplot as plt
tp_data=pd.read_csv("/content/tips.csv")
```

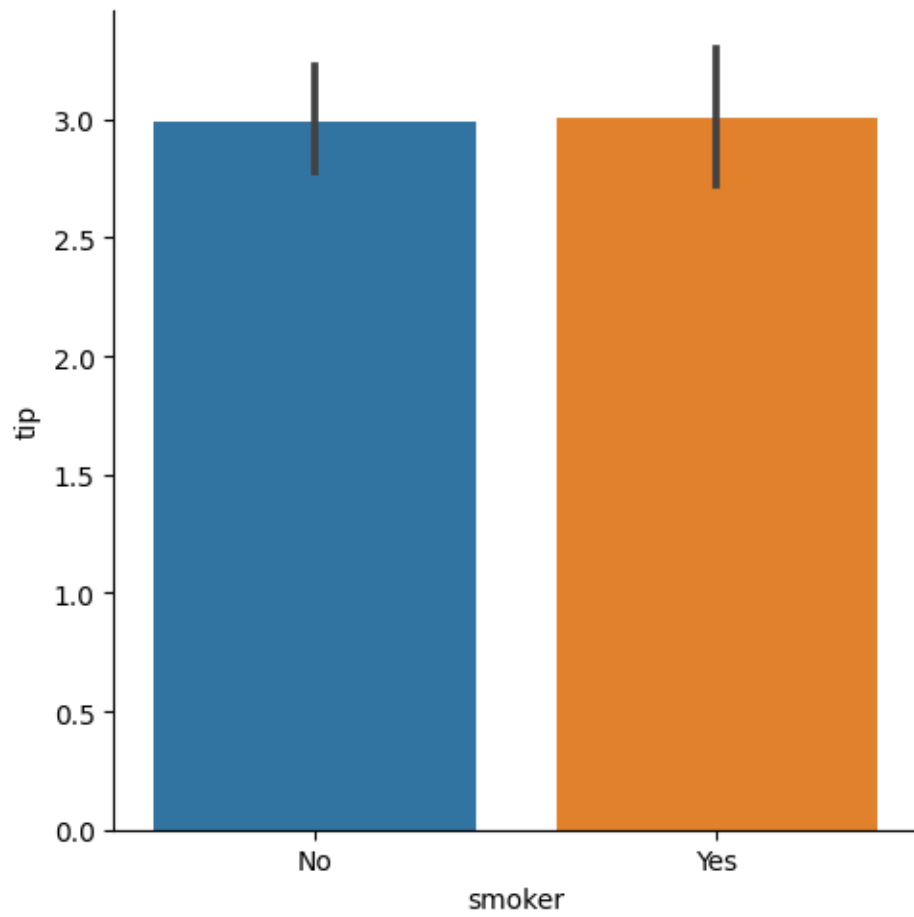
```
tips=sns.load_dataset("tips")
sns.catplot(data=tips,x="day",y="total_bill")
```



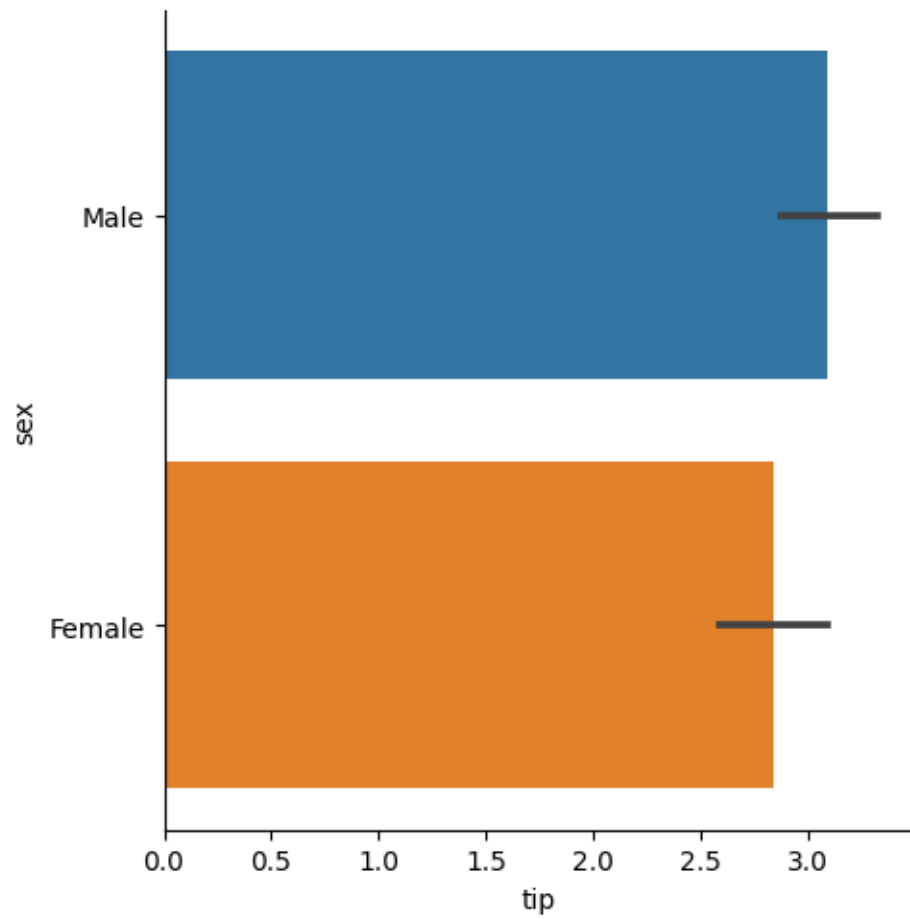
```
sns.catplot(data=tips.query("size != 3"), x="size", y="total_bill")
```



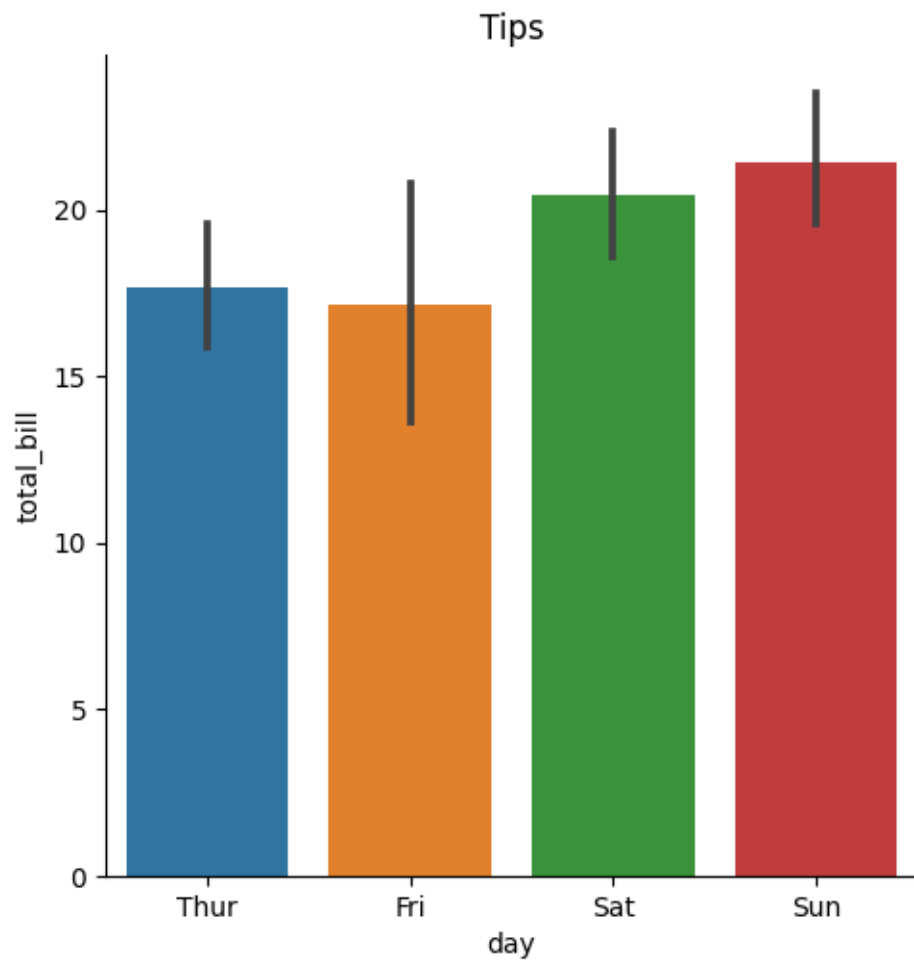
```
sns.catplot(data=tips, x="smoker", y="tip", order=["No",  
"Yes"], kind='bar')
```



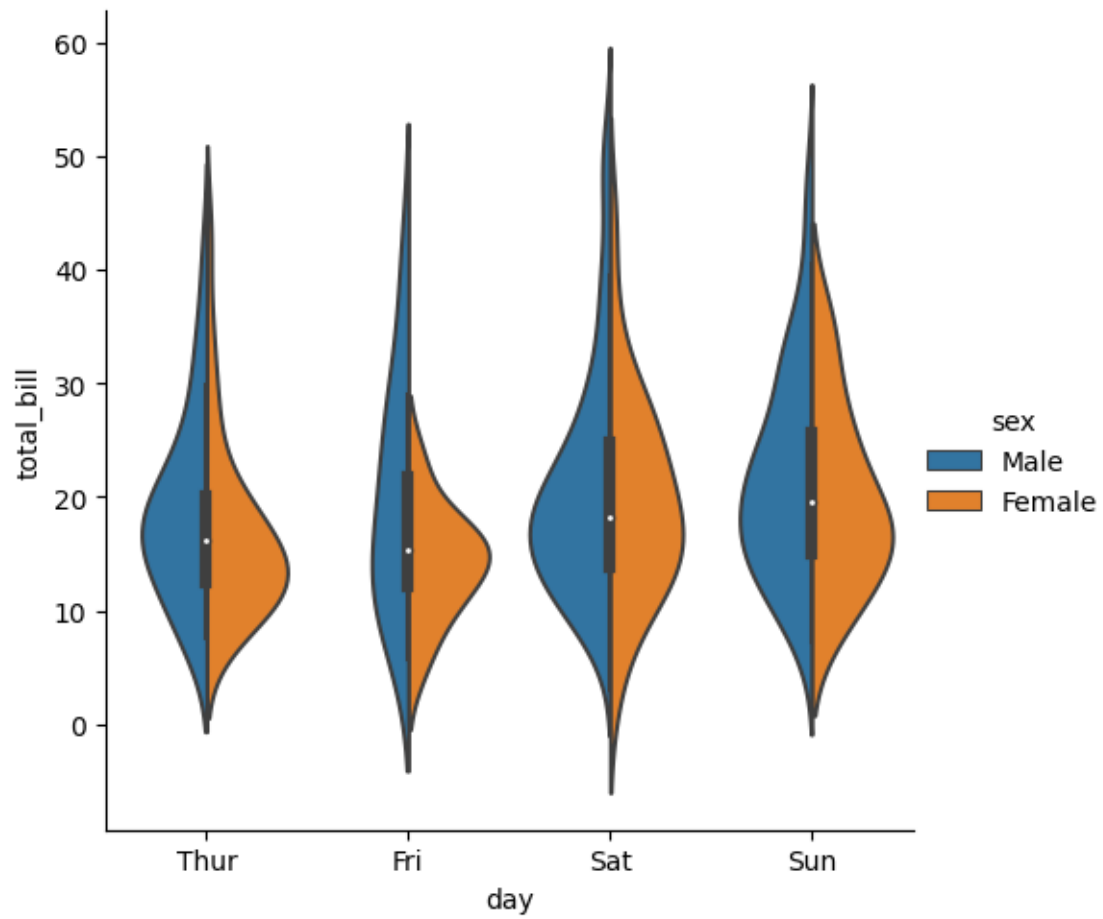
```
tips = sns.load_dataset("tips")  
sns.catplot(data=tips, x="tip", y="sex", kind="bar")
```



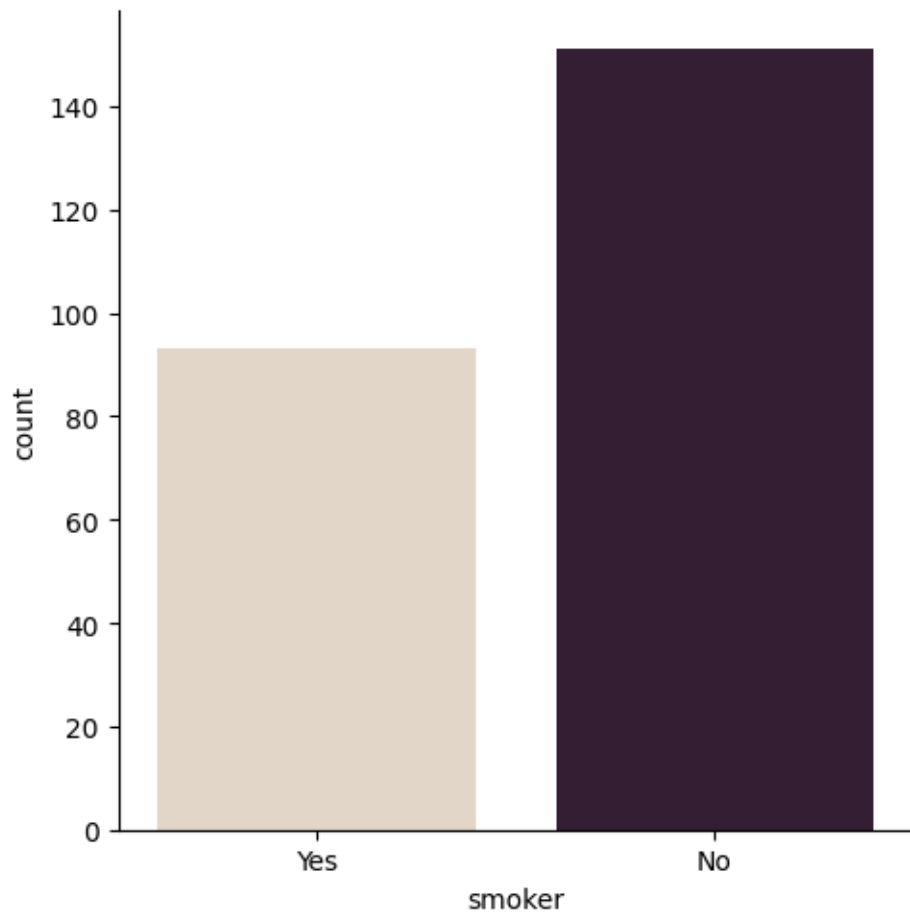
```
import pandas as pd
sns.catplot(data=tips, x="day", y="total_bill", kind="bar")
plt.title('Tips')
Text(0.5, 1.0, 'Tips')
```



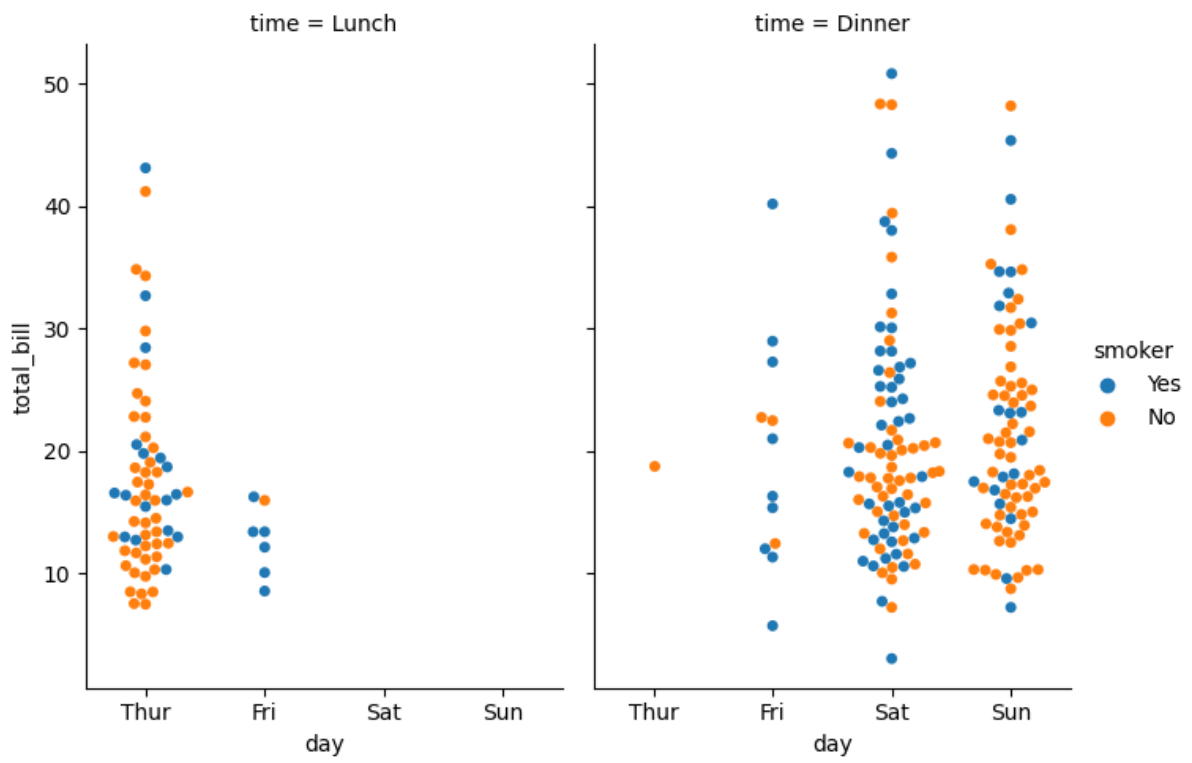
```
sns.catplot(data=tips,x="day", y="total_bill", hue="sex",  
kind="violin", split=True)
```



```
sns.catplot(data=tips, x="smoker", kind="count", palette="ch:.25")
```

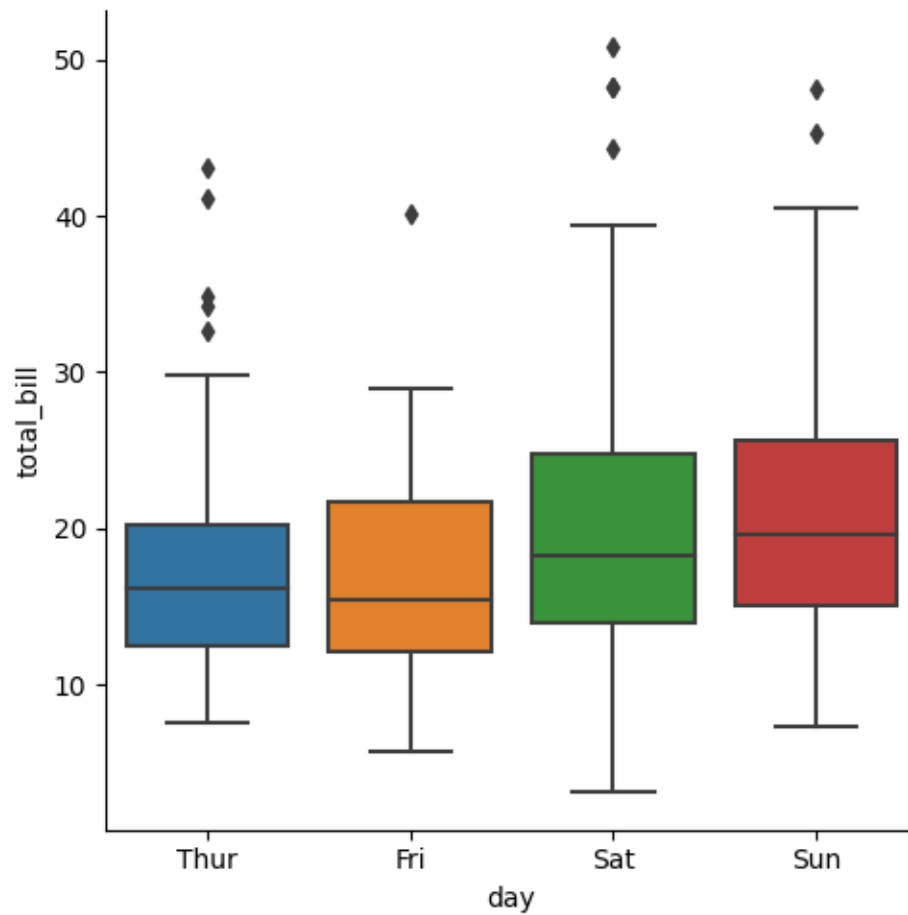


```
sns.catplot(  
    data=tips, x="day", y="total_bill", hue="smoker",  
    kind="swarm", col="time", aspect=.7,  
)
```



```
sns.catplot(data=tips, x="day", y="total_bill", kind="box")
```





```
sns.catplot(  
    data=tips, x="total_bill", y="day", hue="sex",  
    palette={"Male": "g", "Female": "m"},  
    markers=["^", "o"], linestyle=["-", "--"],  
    kind="point"  
)
```

