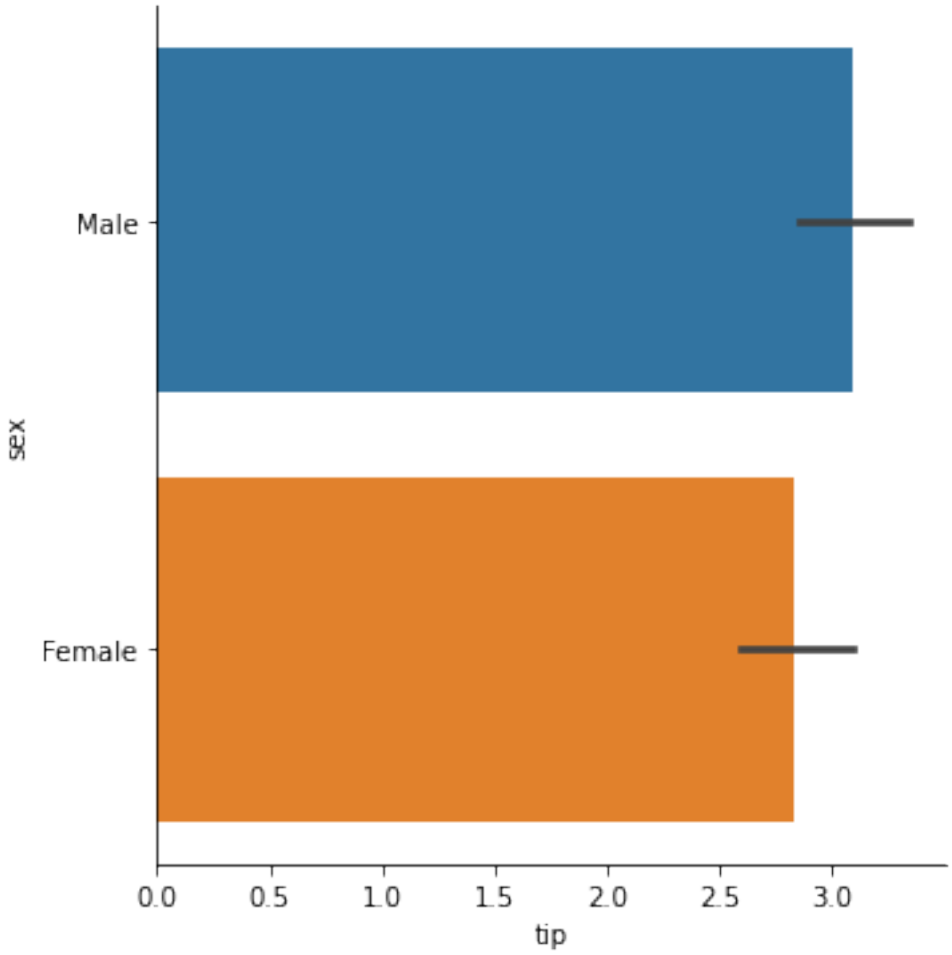
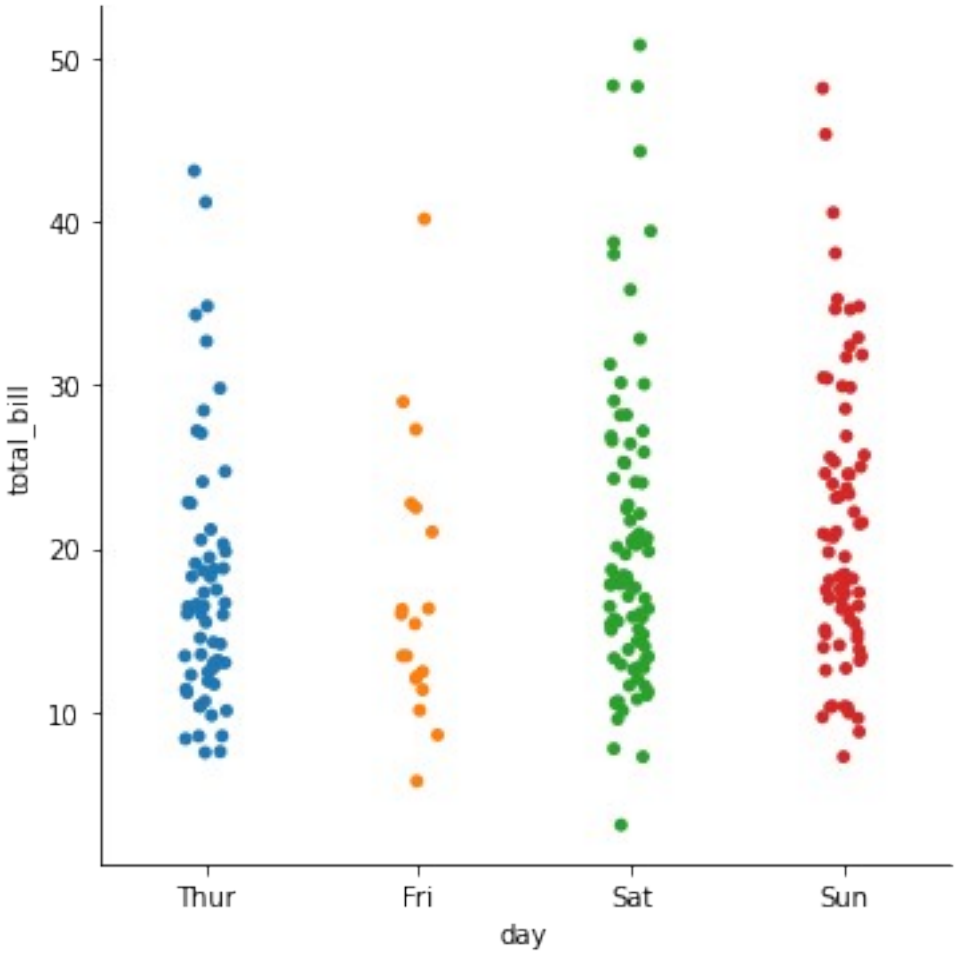
```
from matplotlib import pyplot as plt
import numpy as np
import pandas as pd
import seaborn as sns
tips_data=pd.read_csv("C:\\Users\\Admin\\Downloads\\tips.csv")

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

```
<seaborn.axisgrid.FacetGrid at 0xe5dd2b0>
```



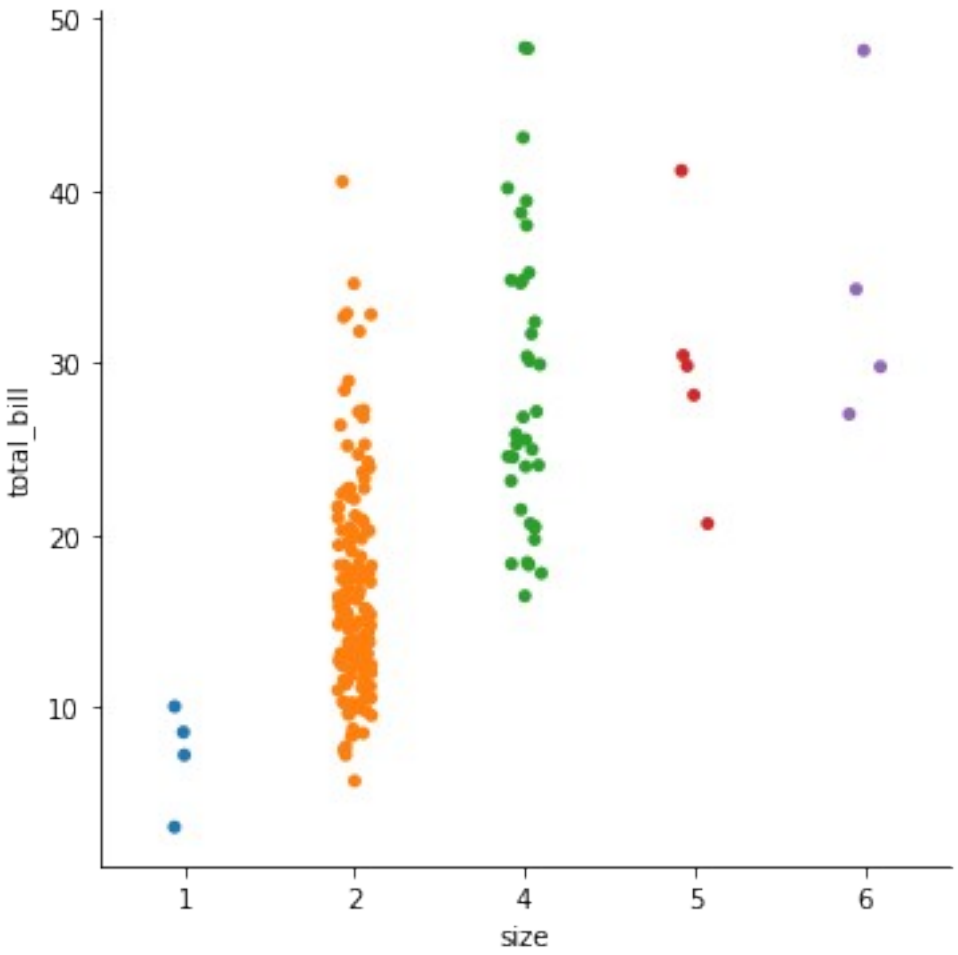

```
tips = sns.load_dataset("tips")
sns.catplot(data=tips, x="day", y="total_bill")
```

```
<seaborn.axisgrid.FacetGrid at 0xe5b81d8>
```



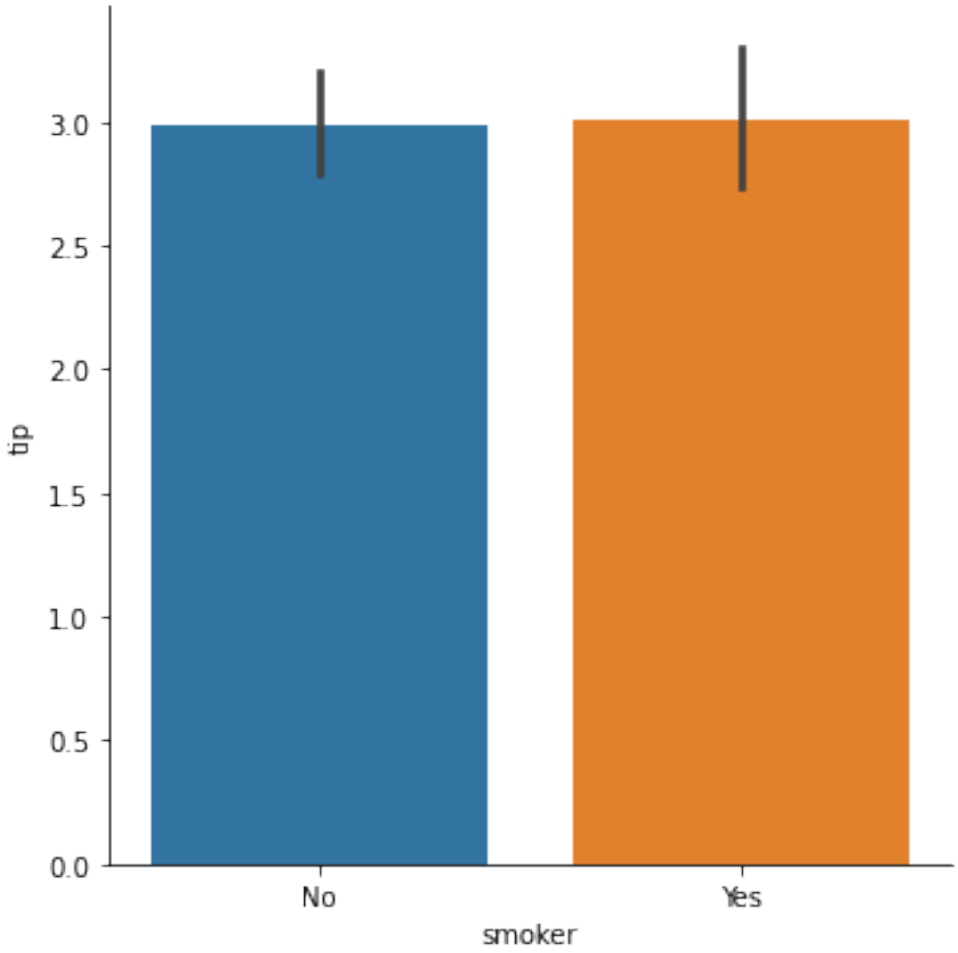

```
sns.catplot(data=tips.query("size != 3"), x="size", y="total_bill")
plt
```

```
<seaborn.axisgrid.FacetGrid at 0xd2b3b08>
```



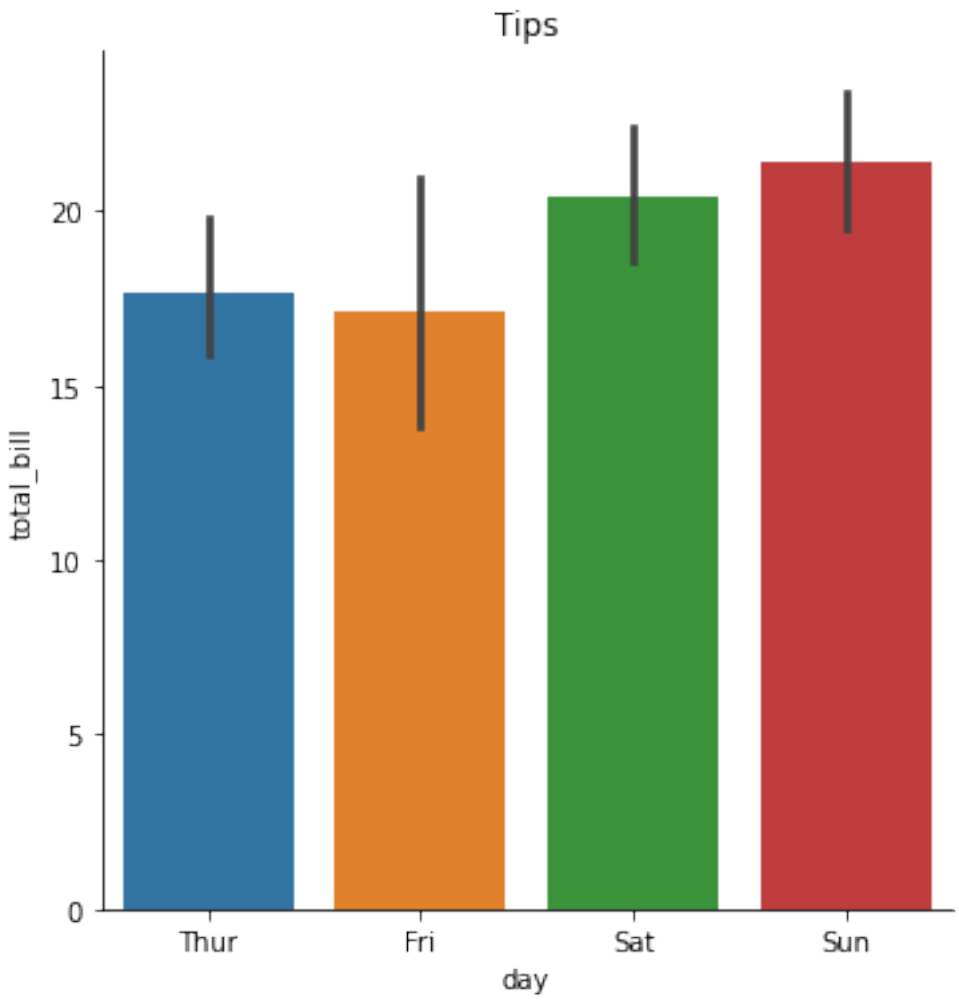

```
sns.catplot(data=tips, x="smoker", y="tip", order=["No",
"Yes"],kind='bar')
```

```
<seaborn.axisgrid.FacetGrid at 0xed1ff28>
```



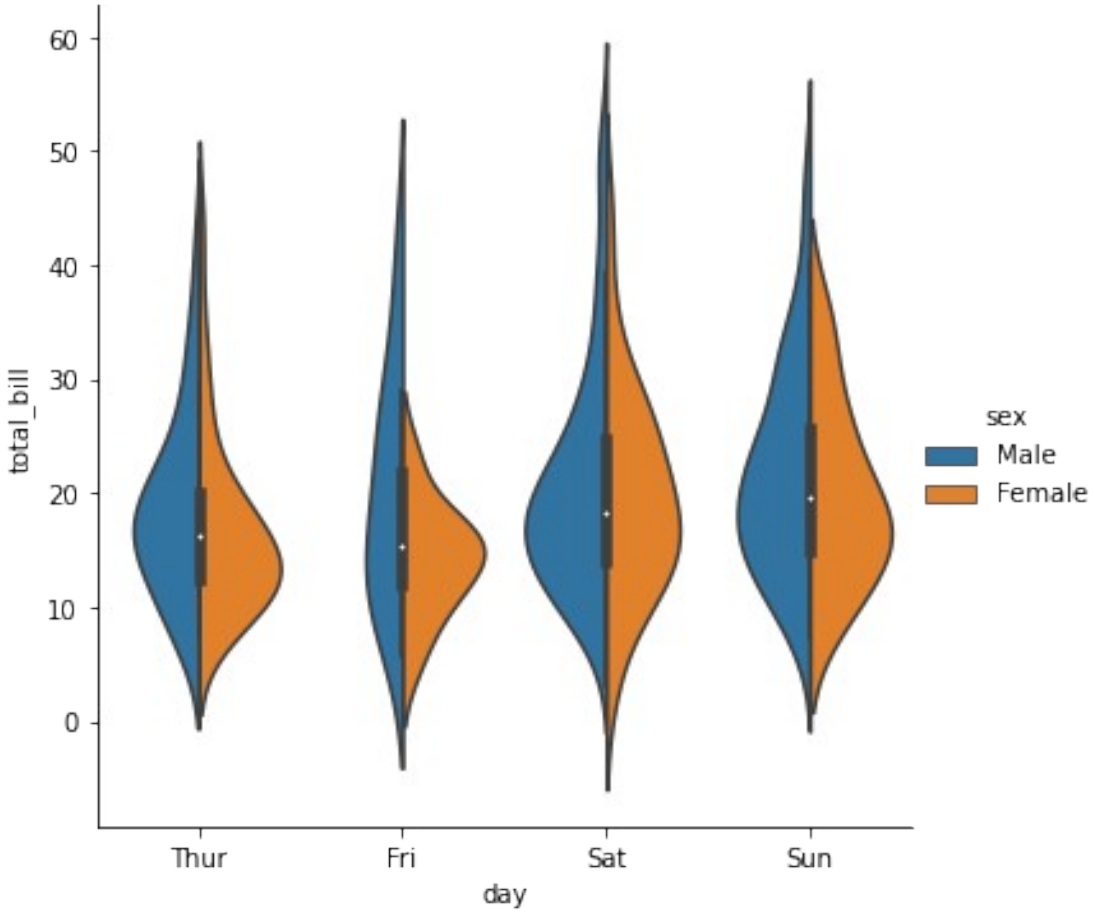

```
import pandas as pd
sns.catplot(data=tips, x="day", y="total_bill", kind="bar")
plt.title('Tips')
```

```
Text(0.5, 1.0, 'Tips')
```



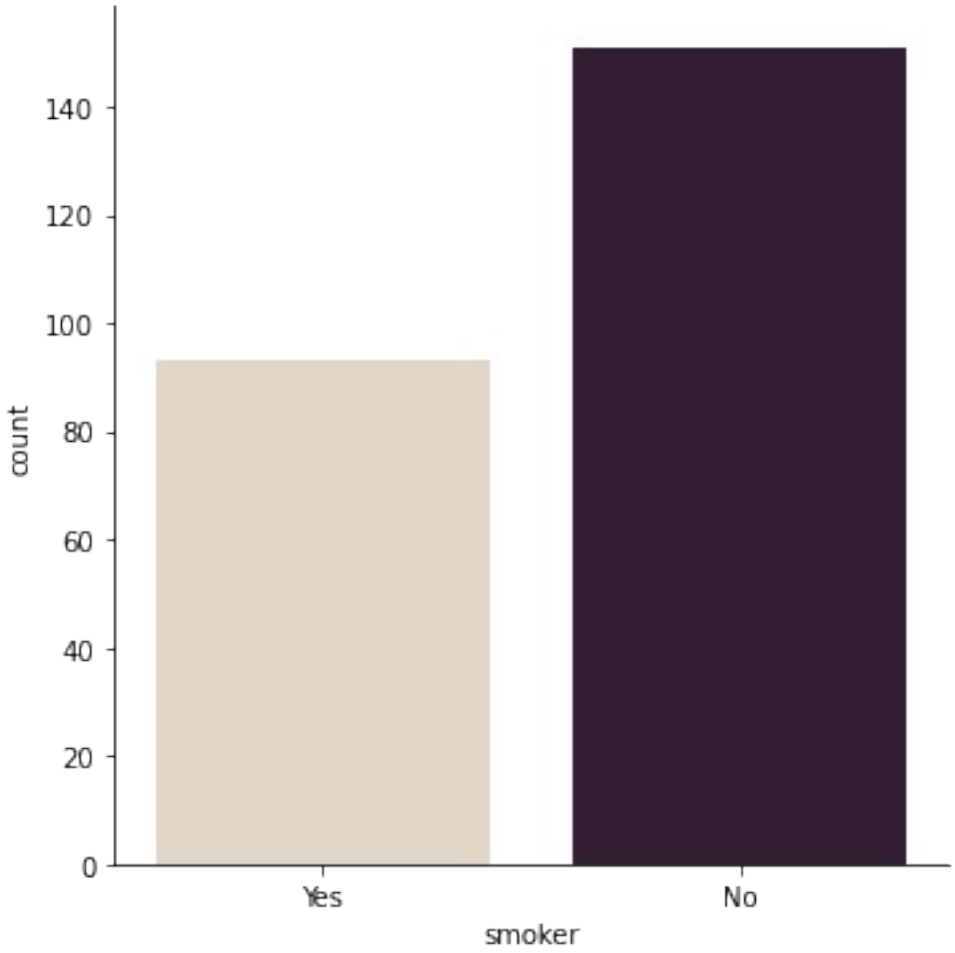

```
sns.catplot(
    data=tips, x="day", y="total_bill", hue="sex",
    kind="violin", split=True,
)
```

```
<seaborn.axisgrid.FacetGrid at 0xeebe4f0>
```



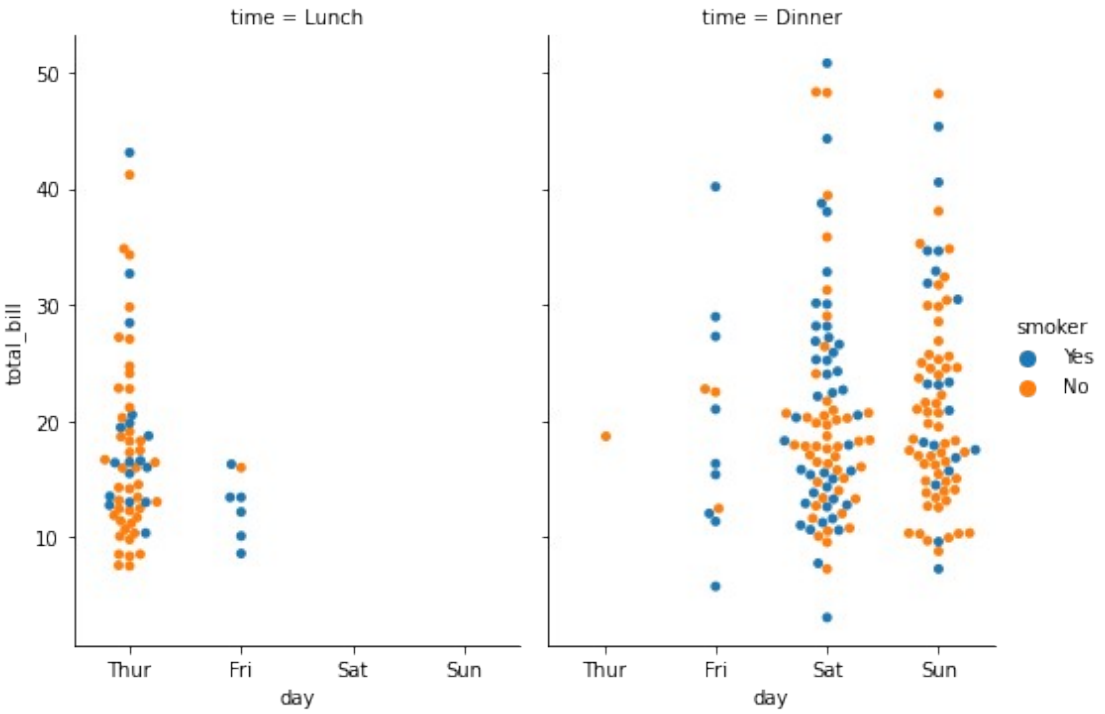

```
sns.catplot(data=tips, x="smoker", kind="count", palette="ch:.25")
```

```
<seaborn.axisgrid.FacetGrid at 0xef818e0>
```



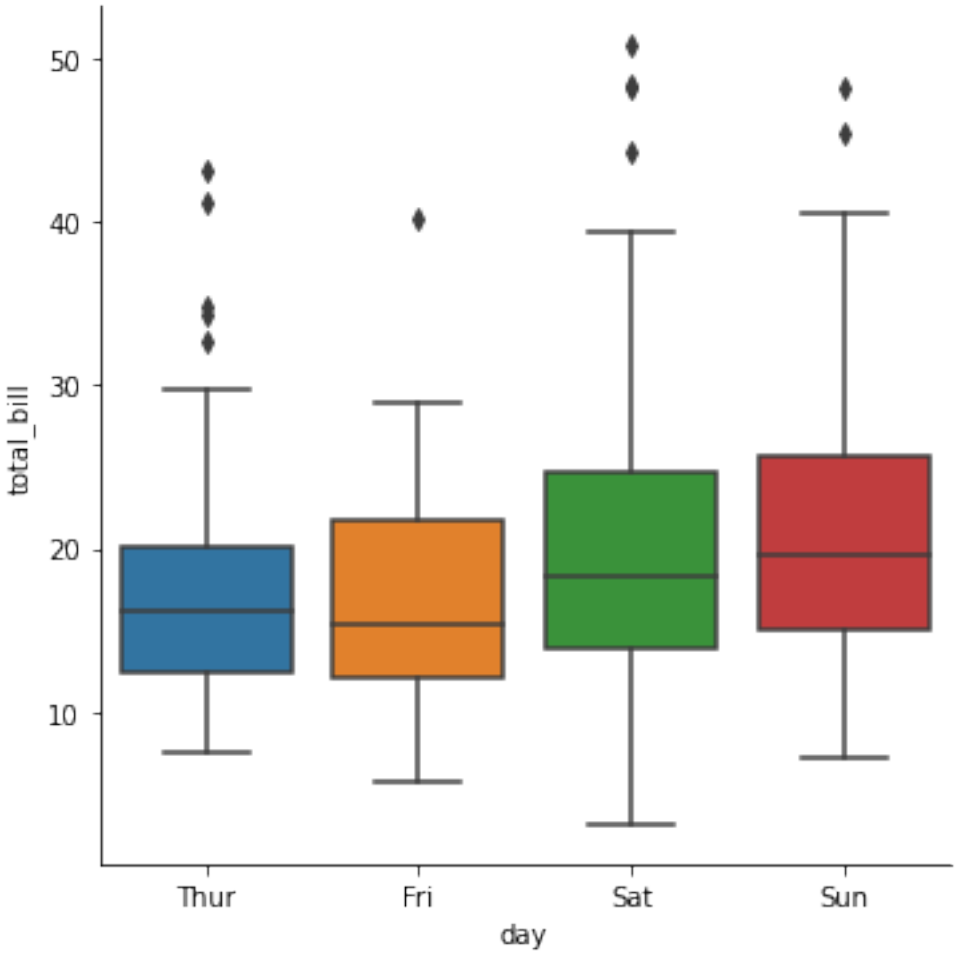

```
sns.catplot(
    data=tips, x="day", y="total_bill", hue="smoker",
    kind="swarm", col="time", aspect=.7,
)
```

```
<seaborn.axisgrid.FacetGrid at 0xed1fbe0>
```



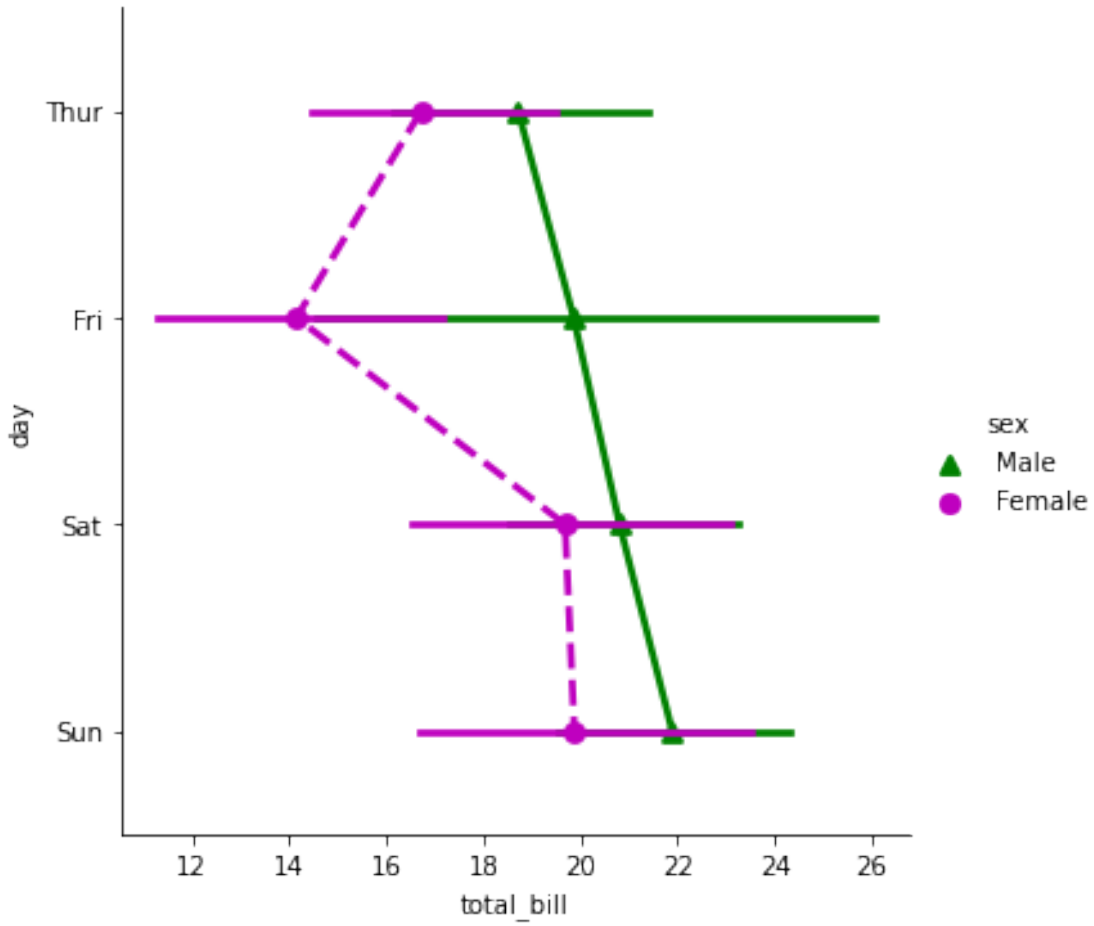

```
sns.catplot(data=tips, x="day", y="total_bill", kind="box")
```

```
<seaborn.axisgrid.FacetGrid at 0xf336e08>
```




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

```
<seaborn.axisgrid.FacetGrid at 0xf0b15b0>
```


Thur
Fri
Sat
Sun
day
12
14
16
18
20
22
24
26
total_bill
sex
Male
Female