

```
import seaborn as sns
tips=sns.load_dataset('tips')
print(tips)

import matplotlib.pyplot as plt
sns.lineplot(x='total_bill',y='tip',hue='sex',style='day',data=tips)
plt.title('Tip vs. Total Bill')
plt.xlabel('Total Bill')
plt.ylabel('Tip')
plt.show()

import matplotlib.pyplot as plt
sns.scatterplot(x='total_bill',y='size',hue='day',size='time',data=tips)
plt.title('Size vs Total Bill')
plt.xlabel('Total Bill')
plt.ylabel('Party size')
plt.show()

sns.barplot(x='time',y='total_bill',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Total_bill')
plt.ylabel('Time')
plt.show()

sns.countplot(x='time',hue='time',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total Bill')
plt.show()

sns.boxplot(x='time',y='total_bill',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total bill')
```

```
sns.boxplot(x='time', y='total_bill', data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.violinplot(x='time', y='total_bill', data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.swarmplot(x='time', y='total_bill', data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.stripplot(x='time', y='total_bill', data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.displot(x='total_bill', hue='time', data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.jointplot(x='tip', y='total_bill', data=tips)
plt.title('Tip vs Total Bill')
plt.xlabel('Tip')
plt.ylabel('Total_bill')
```

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plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

sns.swarmplot(x='time',y='total_bill',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

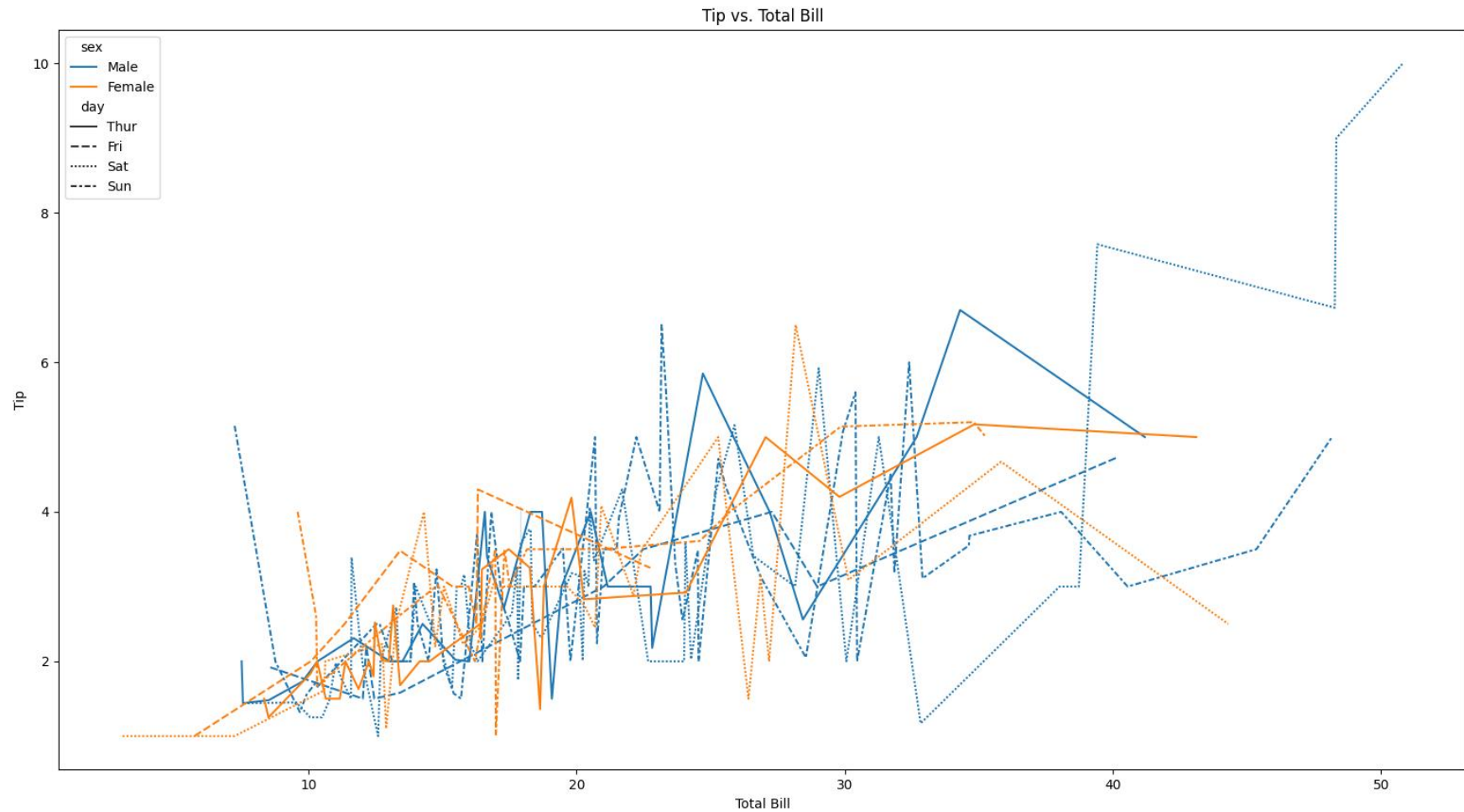
sns.stripplot(x='time',y='total_bill',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

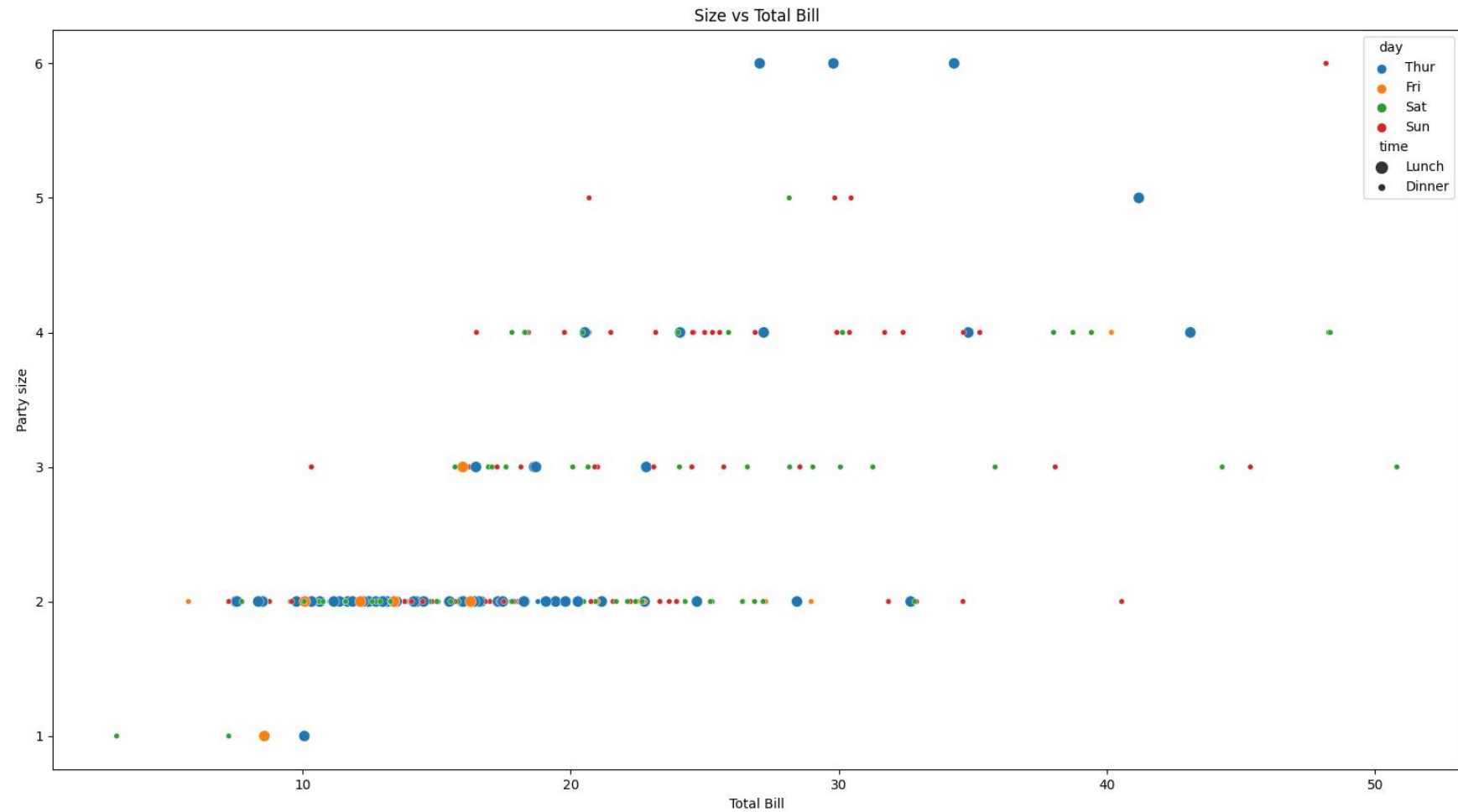
sns.displot(x='total_bill',hue='time',data=tips)
plt.title('Total bill vs time')
plt.xlabel('Time')
plt.ylabel('Total_bill')
plt.show()

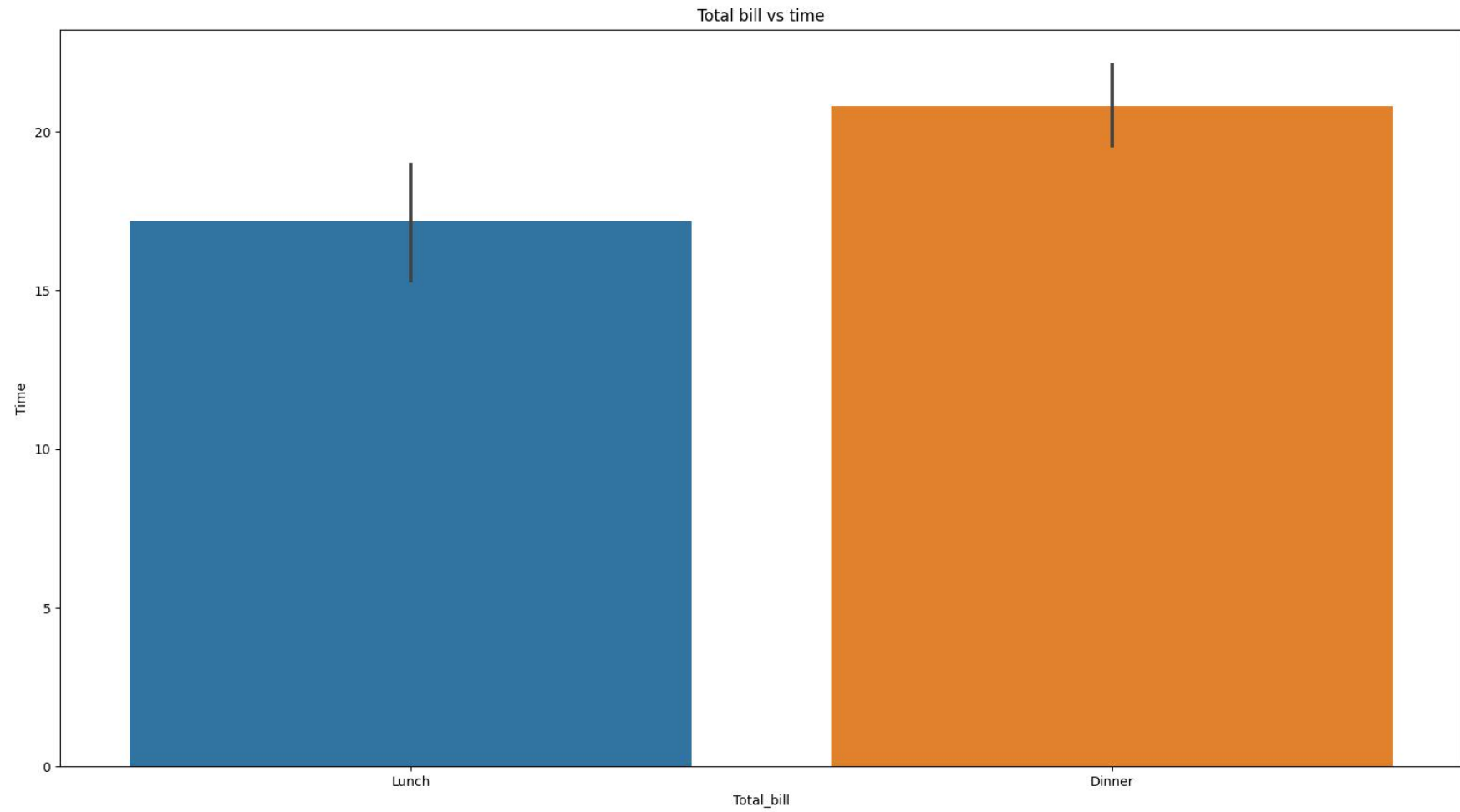
sns.jointplot(x='tip',y='total_bill',data=tips)
plt.title('Tip vs Total Bill')
plt.xlabel('Tip')
plt.ylabel('Total_bill')
plt.show()

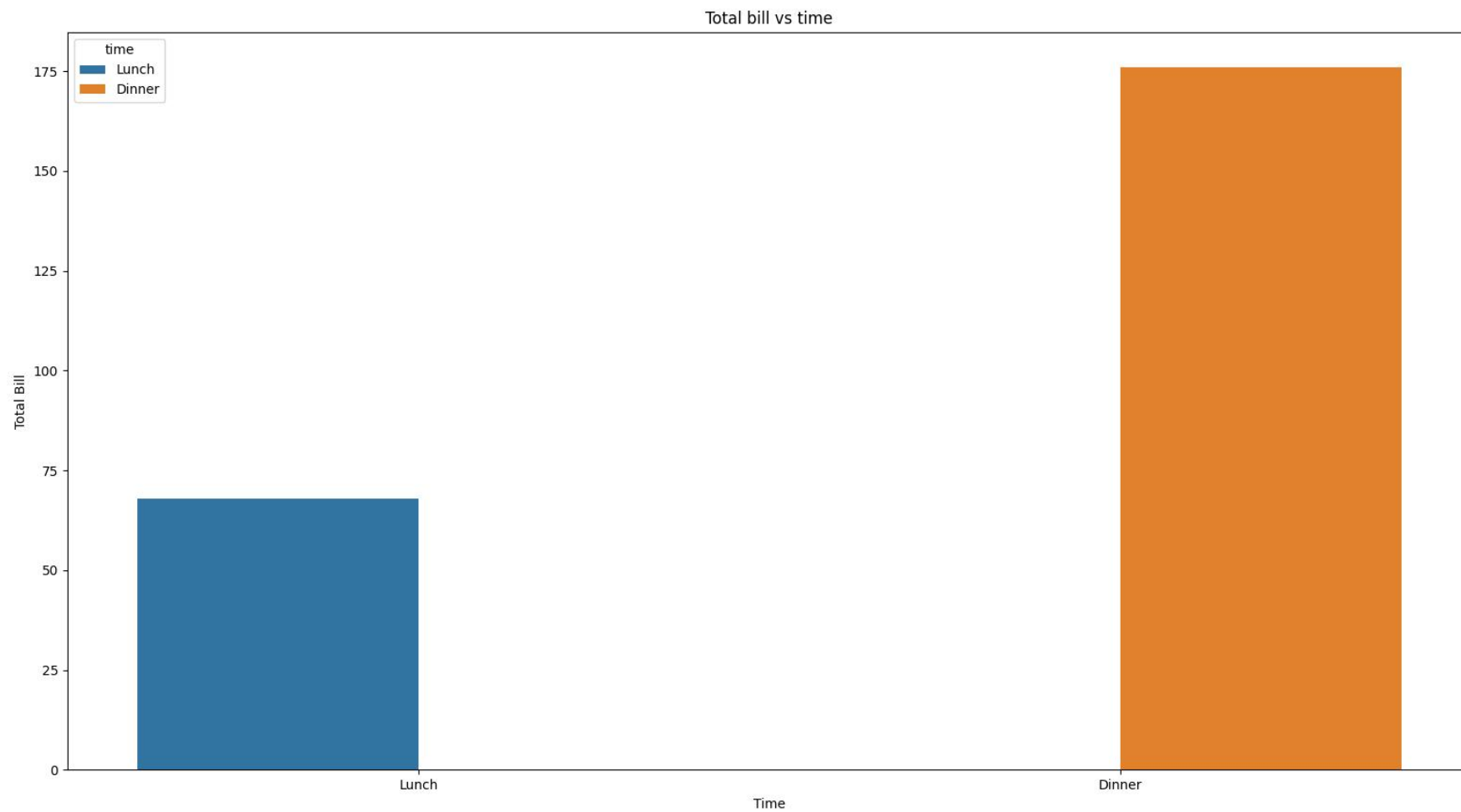
sns.pairplot(tips)
plt.show()

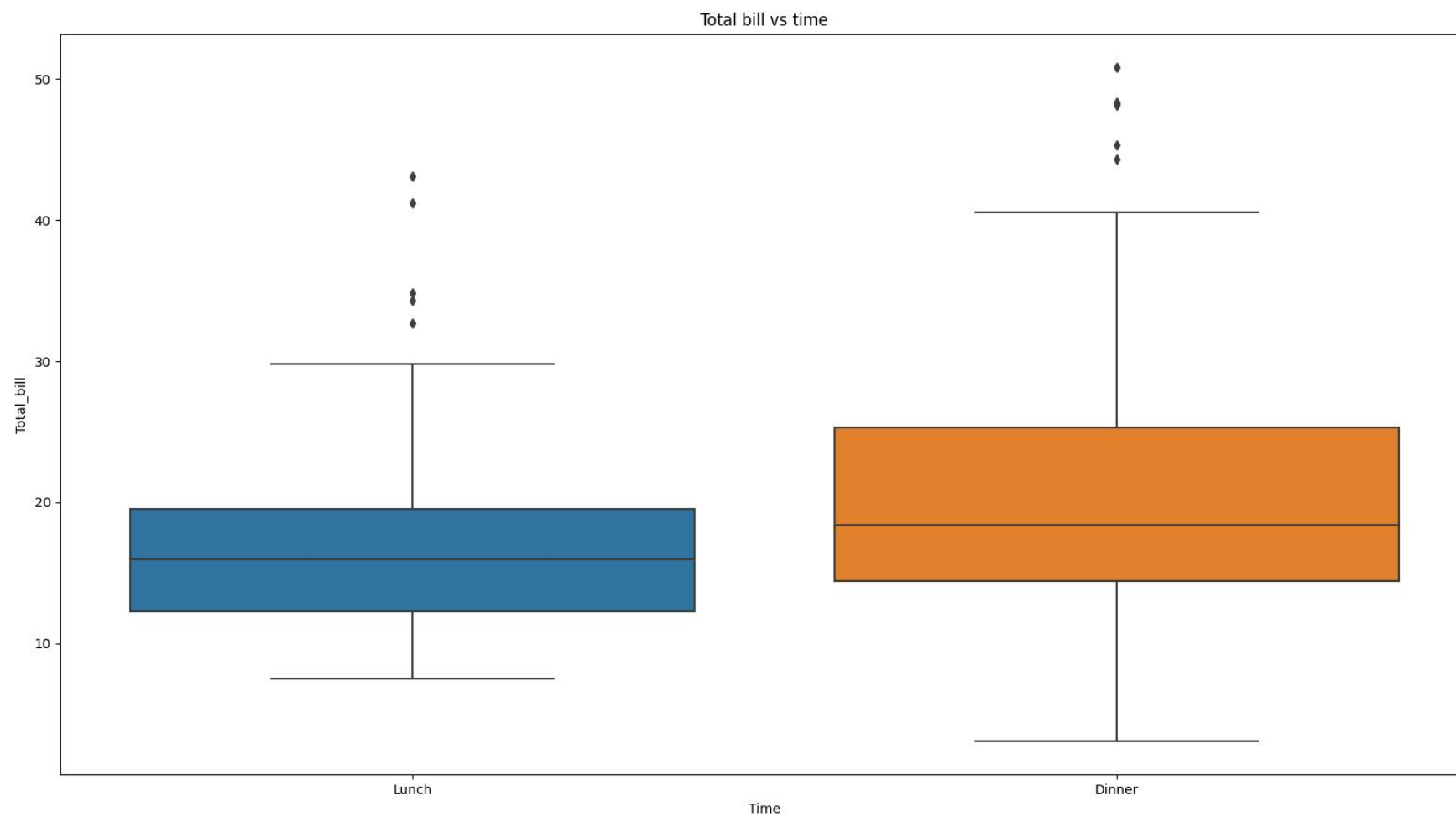
sns.regplot(x='total_bill',y='tip',data=tips)
plt.show()
```



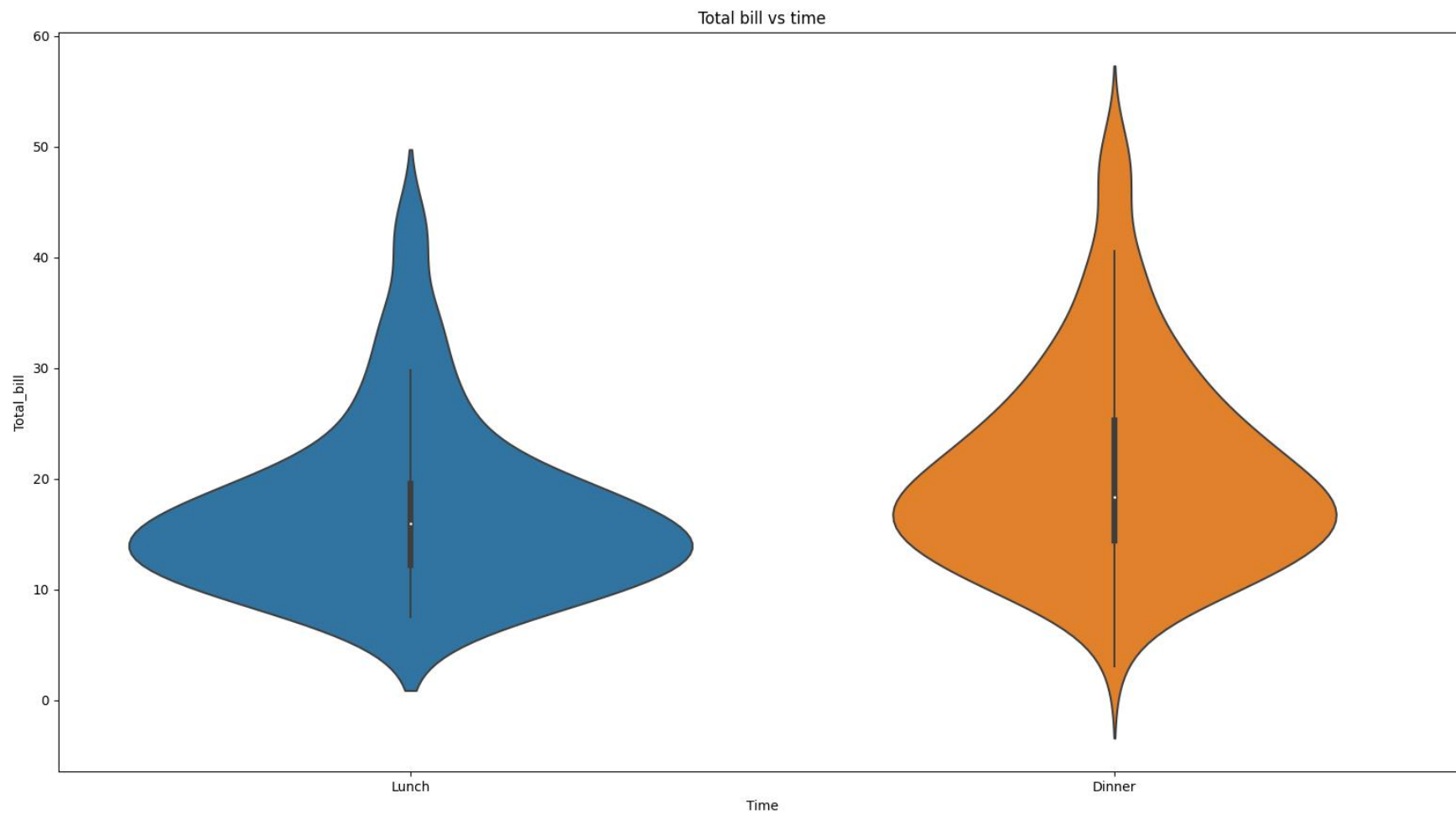


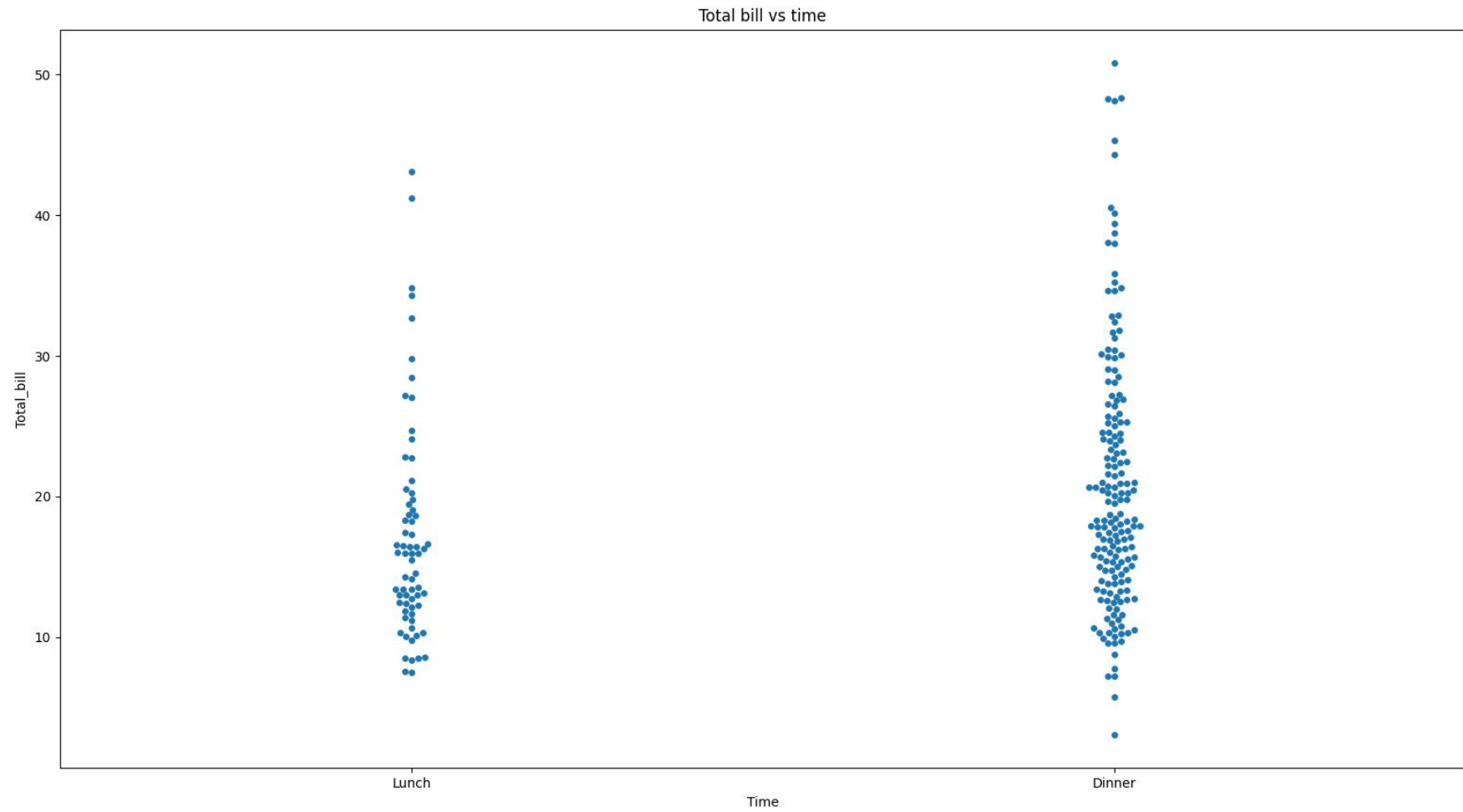




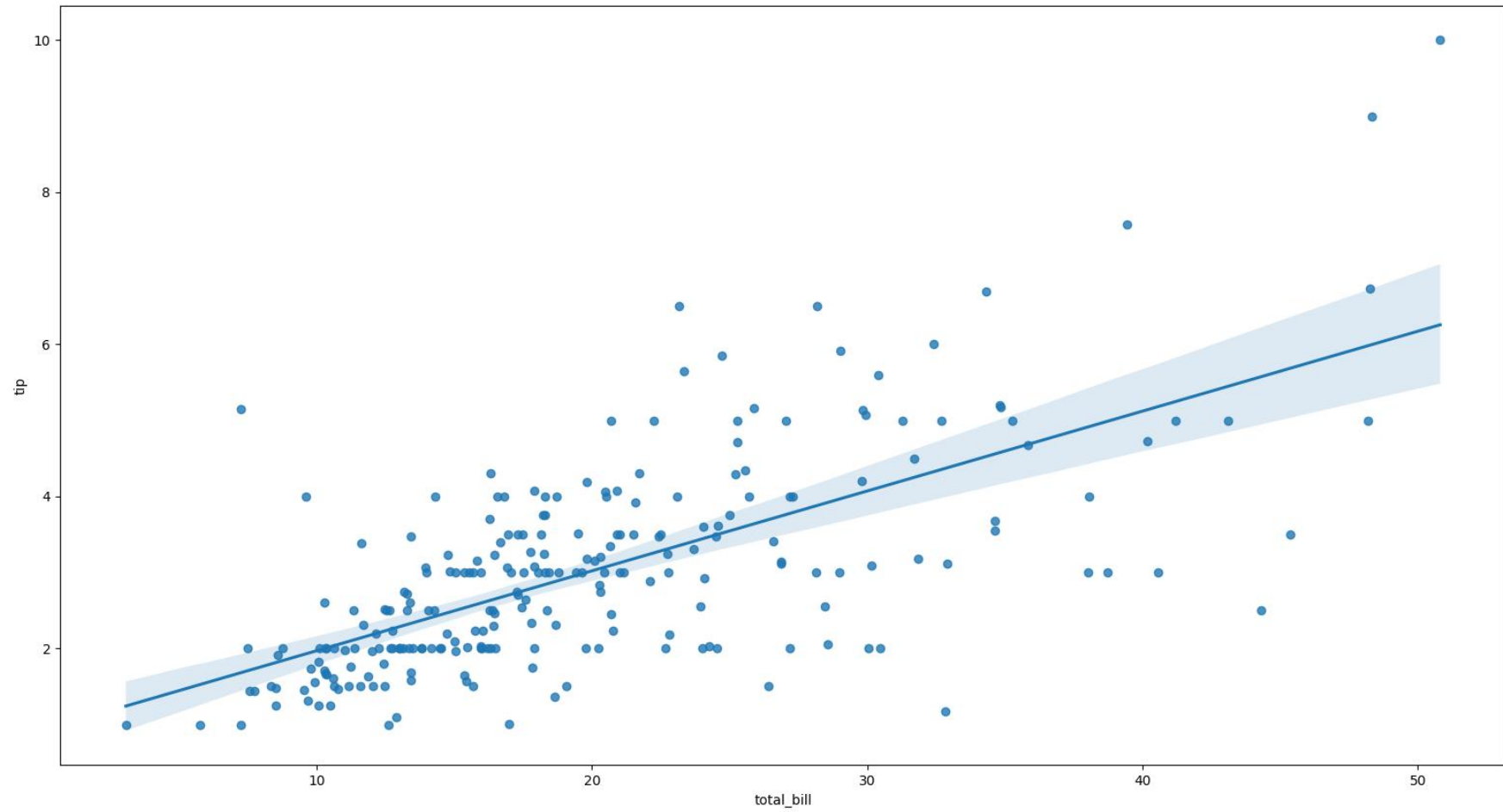












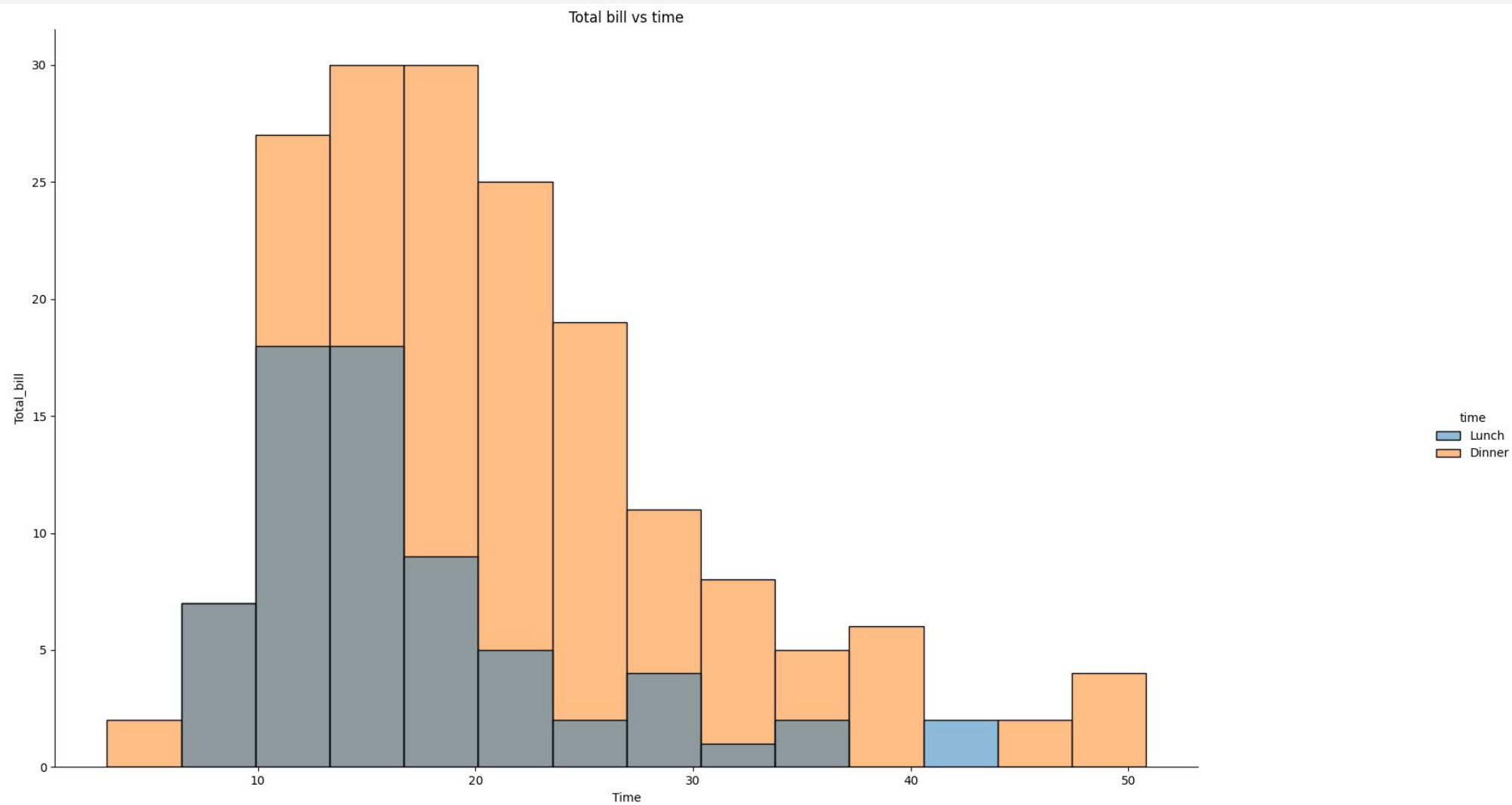




Figure 1

