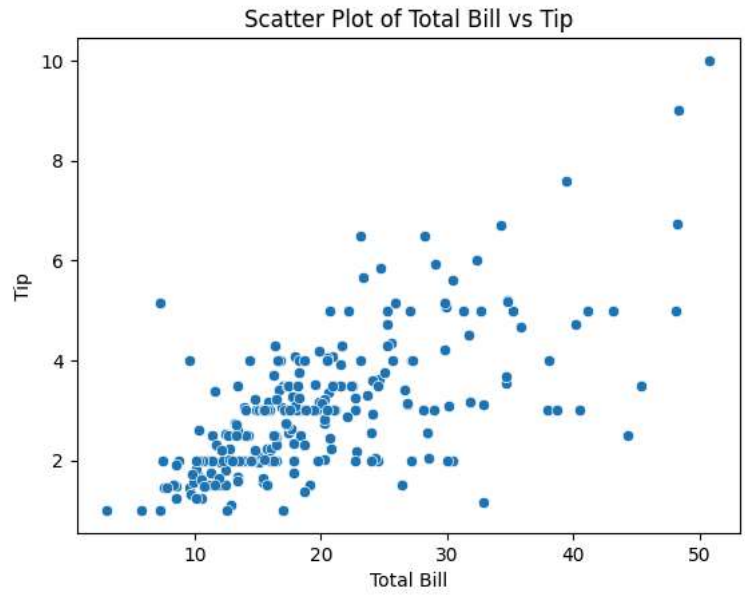
```
import seaborn as sns
import matplotlib.pyplot as plt
import numpy as np


tips=sns.load_dataset("tips")
tips.head()
```

	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

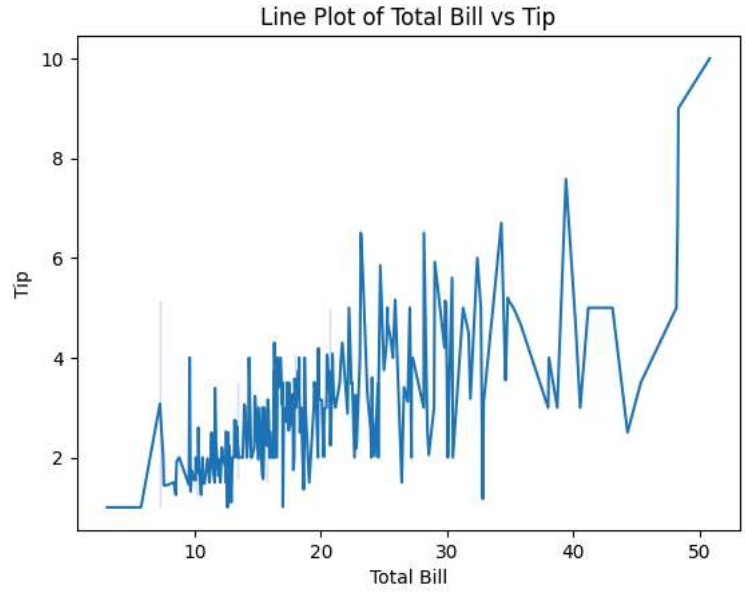
Next steps: Generate code with tips | View recommended plots | New interactive sheet

```
sns.scatterplot(x="total_bill",y="tip",data=tips)
plt.title("Scatter Plot of Total Bill vs Tip")
plt.xlabel("Total Bill")
plt.ylabel("Tip")
plt.show()
```

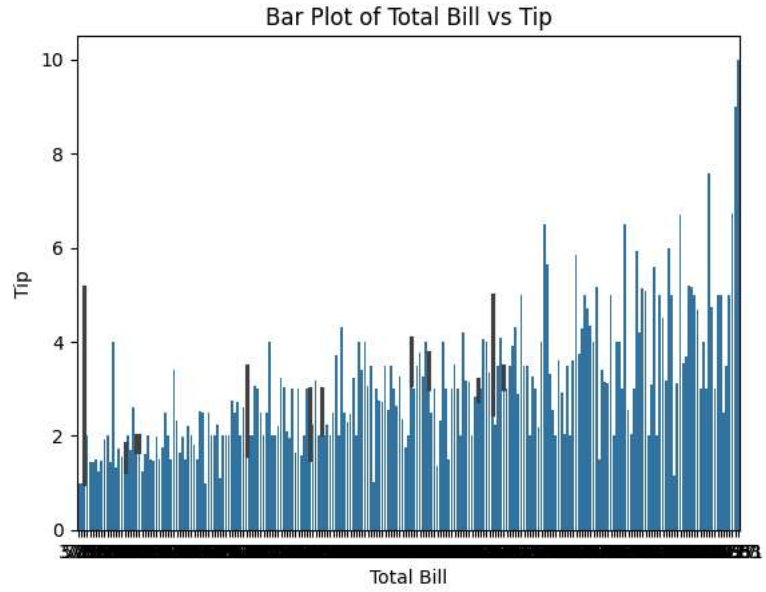



```
sns.lineplot(x="total_bill",y="tip",data=tips)
plt.title("Line Plot of Total Bill vs Tip")
plt.xlabel("Total Bill")
plt.ylabel("Tip")
plt.show()
```

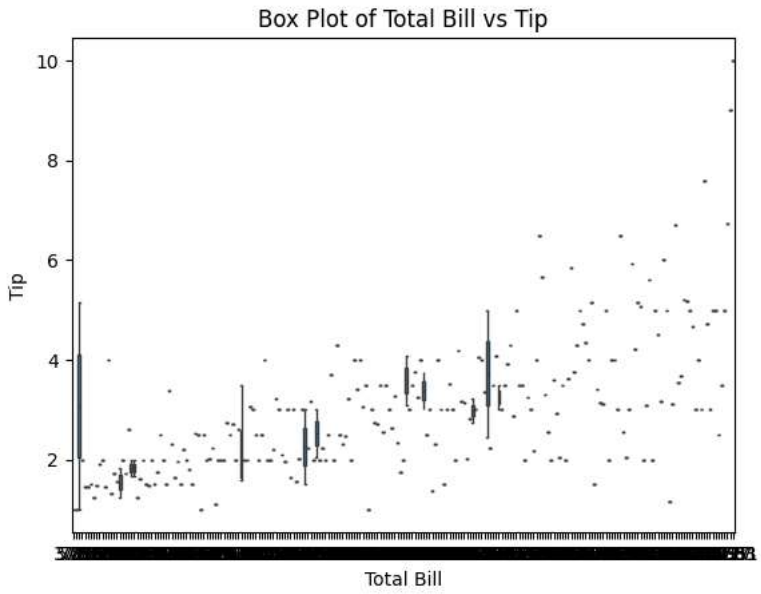
What can I help you build?



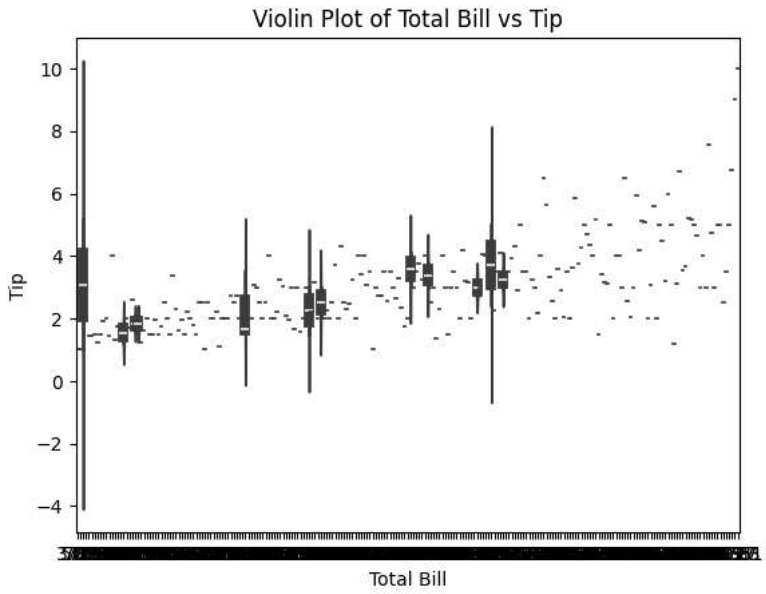

```
sns.barplot(x="total_bill",y="tip",data=tips)
plt.title("Bar Plot of Total Bill vs Tip")
plt.xlabel("Total Bill")
plt.ylabel("Tip")
plt.show()
```




```
sns.boxplot(x="total_bill",y="tip",data=tips)
plt.title("Box Plot of Total Bill vs Tip")
plt.xlabel("Total Bill")
plt.ylabel("Tip")
plt.show()
```




```
sns.violinplot(x="total_bill",y="tip",data=tips)
plt.title("Violin Plot of Total Bill vs Tip")
plt.xlabel("Total Bill")
plt.ylabel("Tip")
plt.show()
```



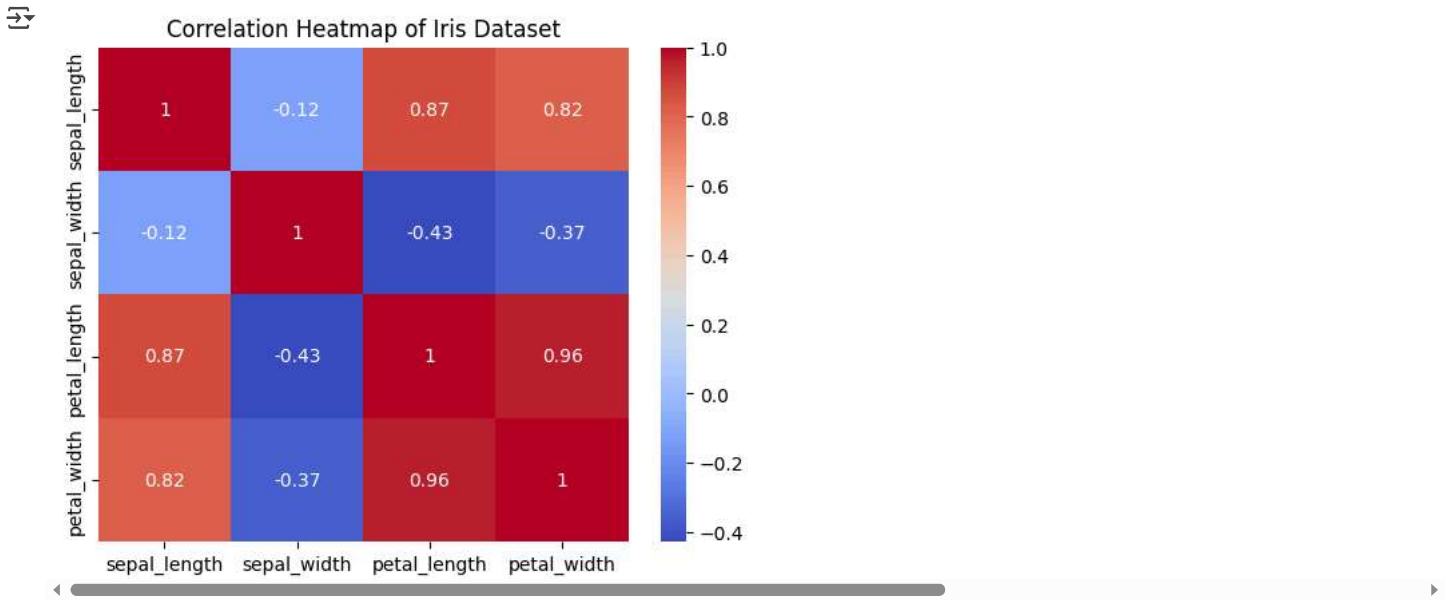

```
iris=sns.load_dataset("iris")
iris.head()
```

	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

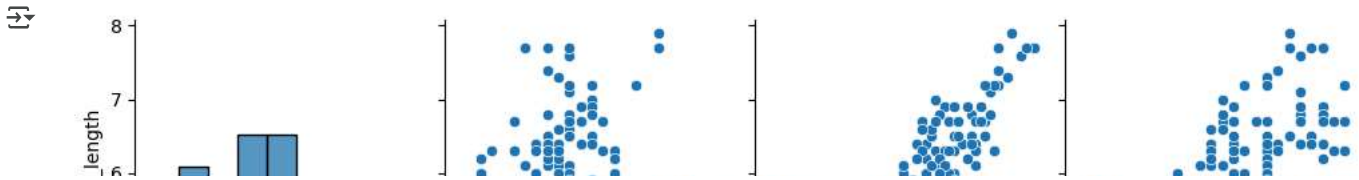
Next steps: Generate code with iris | View recommended plots | New interactive sheet

```
correlation_matrix=iris.drop('species',axis=1).corr()
sns.heatmap(correlation_matrix,annot=True,cmap="coolwarm")
```

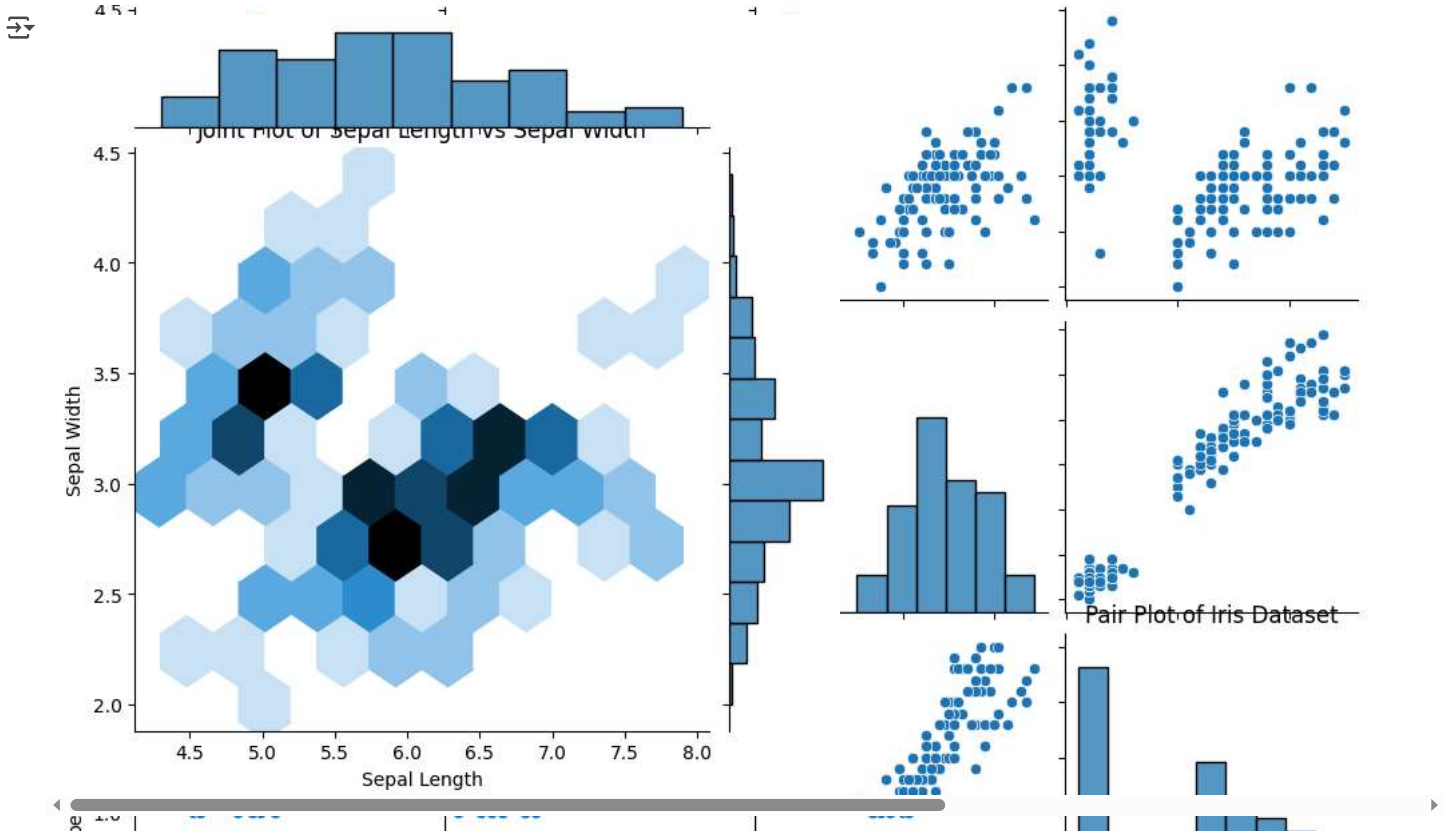
```
plt.title("Correlation Heatmap of Iris Dataset")
plt.show()
```




```
sns.pairplot(iris)
plt.title("Pair Plot of Iris Dataset")
plt.show()
```



```
sns.jointplot(x="sepal_length",y="sepal_width",data=iris,kind="hex")
plt.title("Joint Plot of Sepal Length vs Sepal Width")
plt.xlabel("Sepal Length")
plt.ylabel("Sepal Width")
plt.show()
```




```
sns.countplot(x="sepal_length",data=iris)
plt.title("Count Plot of Sepal Length vs Sepal Width")
plt.xlabel("Sepal Length")
plt.ylabel("Sepal Width")
plt.show()
```