DATA VISUALIZATION

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

STEP-1 IMPORT LIBRARIES

STEP-2 LOAD DATASET
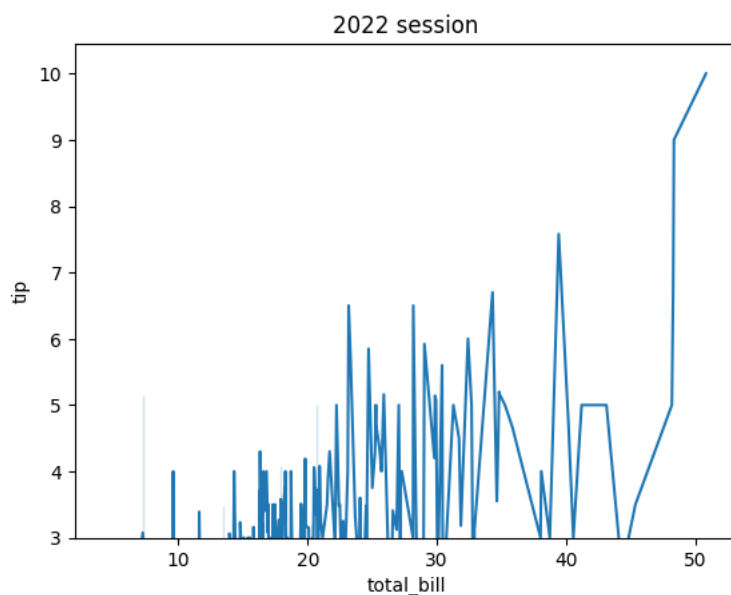
+ Code   + Text

```
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

STEP-3 PLOT A GRAPH

```
sns.lineplot(x="total_bill",y="tip",data=tips)
plt.xlim(2)
plt.ylim(3)
plt.title("2022 session")
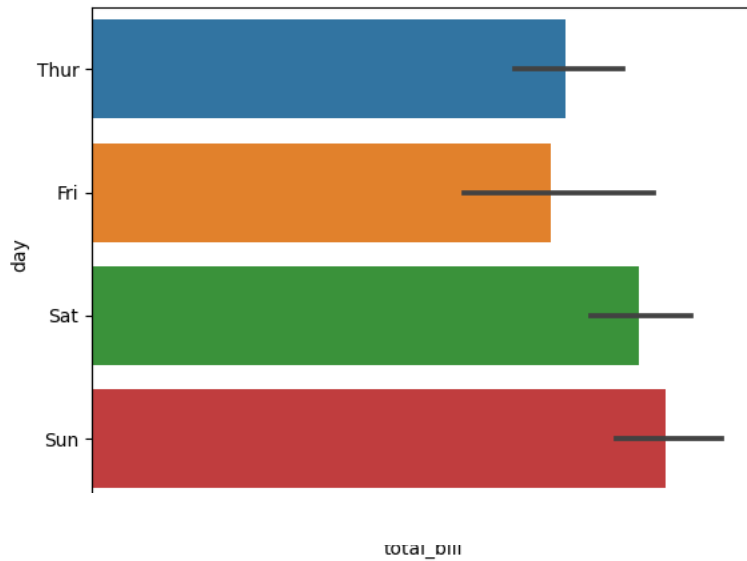```

```
Text(0.5, 1.0, '2022 session')
```


BAR PLOT

```
sns.barplot(x="total_bill",y="day",data=tips)
```
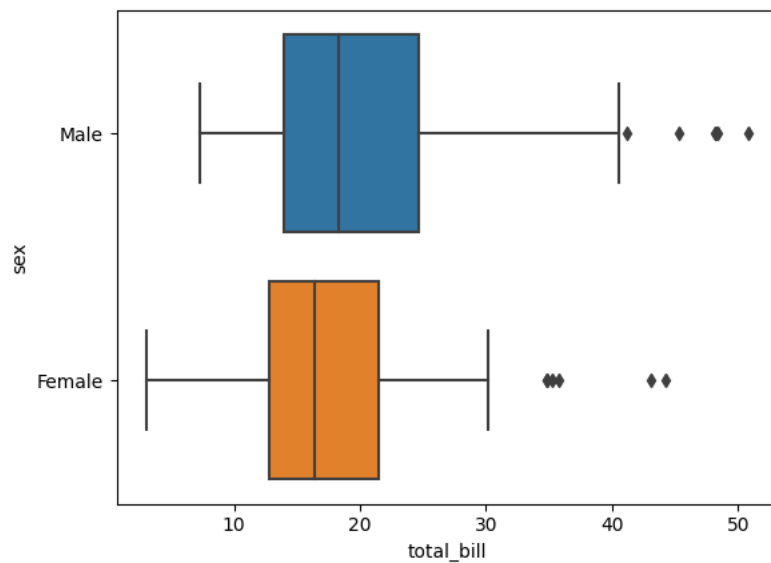
```
<Axes: xlabel='total_bill', ylabel='day'>
```
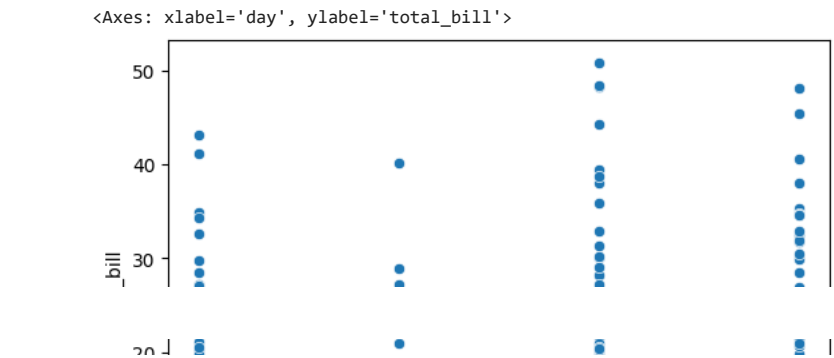

BOX PLOT

```
sns.boxplot(x="total_bill",y="sex",data=tips)
```

```
<Axes: xlabel='total_bill', ylabel='sex'>
```


SCATTER PLLOT

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

```
<Axes: xlabel='day', ylabel='total_bill'>
```


CAT PLOT

```
sns.catplot(x="size",y="sex",data=tips,color="black")
```

```
<seaborn.axisgrid.FacetGrid at 0x7fb028e06500>
```

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