In [1]:
```
import seaborn as sns
```

In [2]:
```
data=sns.load_dataset("tips")
```

In [3]:
```
data
```

Out[3]:

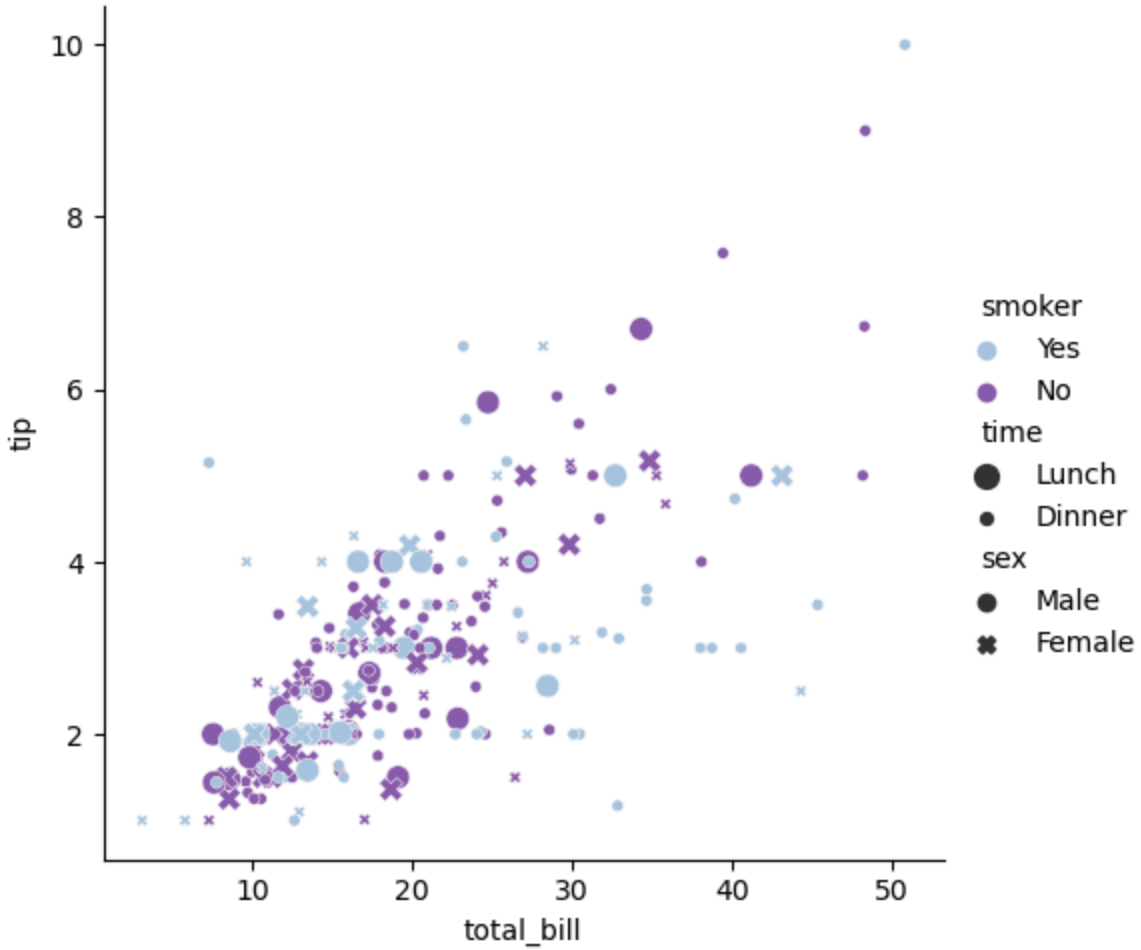
	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4
...	...	...	...	...	...	...	...
239	29.03	5.92	Male	No	Sat	Dinner	3
240	27.18	2.00	Female	Yes	Sat	Dinner	2
241	22.67	2.00	Male	Yes	Sat	Dinner	2
242	17.82	1.75	Male	No	Sat	Dinner	2
243	18.78	3.00	Female	No	Thur	Dinner	2

244 rows × 7 columns

In [6]:
```
sns.relplot(x="total_bill",y="tip",hue="smoker",style="sex",size="time",data=data,palette="BuPu")
```

```
C:\Users\DELL\anaconda3\Lib\site-packages\seaborn\axisgrid.py:118: UserWarning: The figure layout has chang
ed to tight
  self._figure.tight_layout(*args, **kwargs)
```

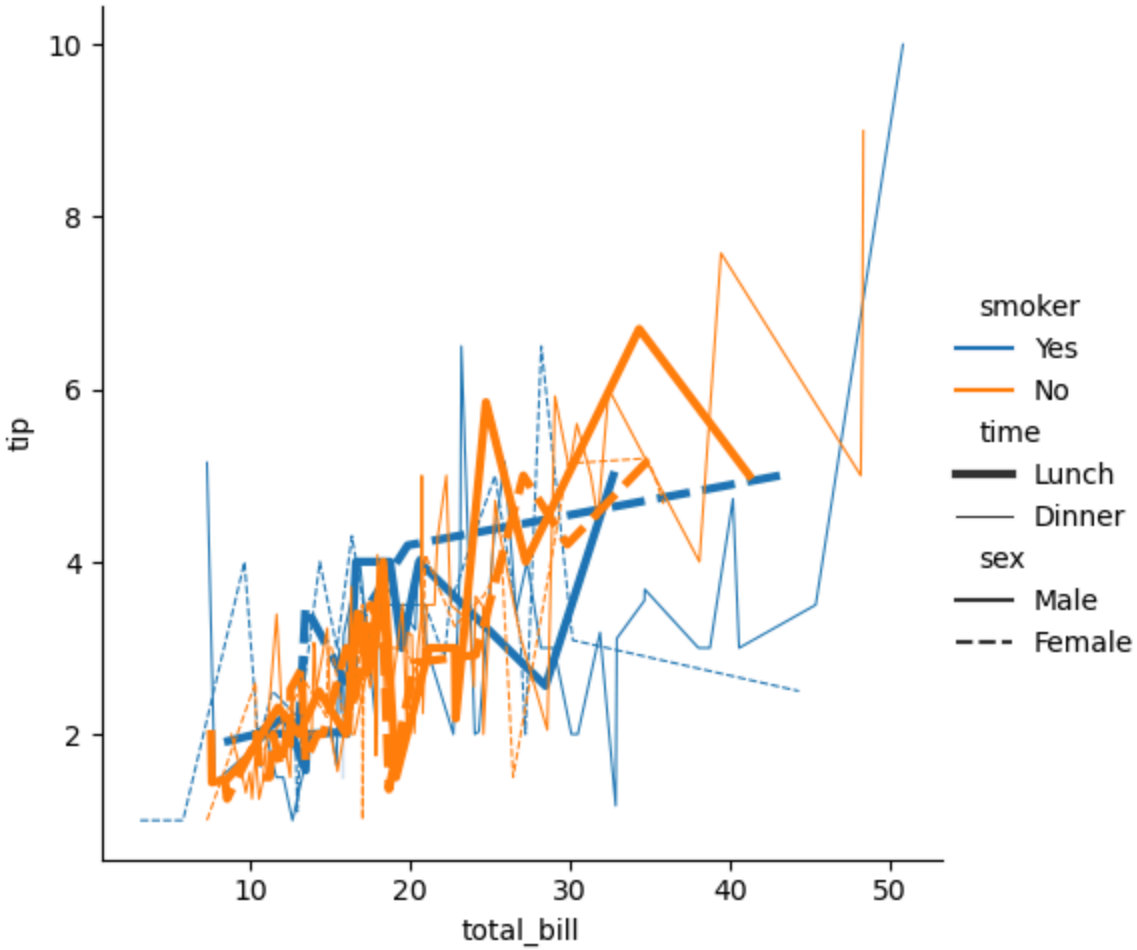
Out[6]:
```
<seaborn.axisgrid.FacetGrid at 0x1ec3d48dd10>
```



In [7]:
```
sns.relplot(x="total_bill",y="tip",hue="smoker",style="sex",size="time",data=data,kind="line")
```

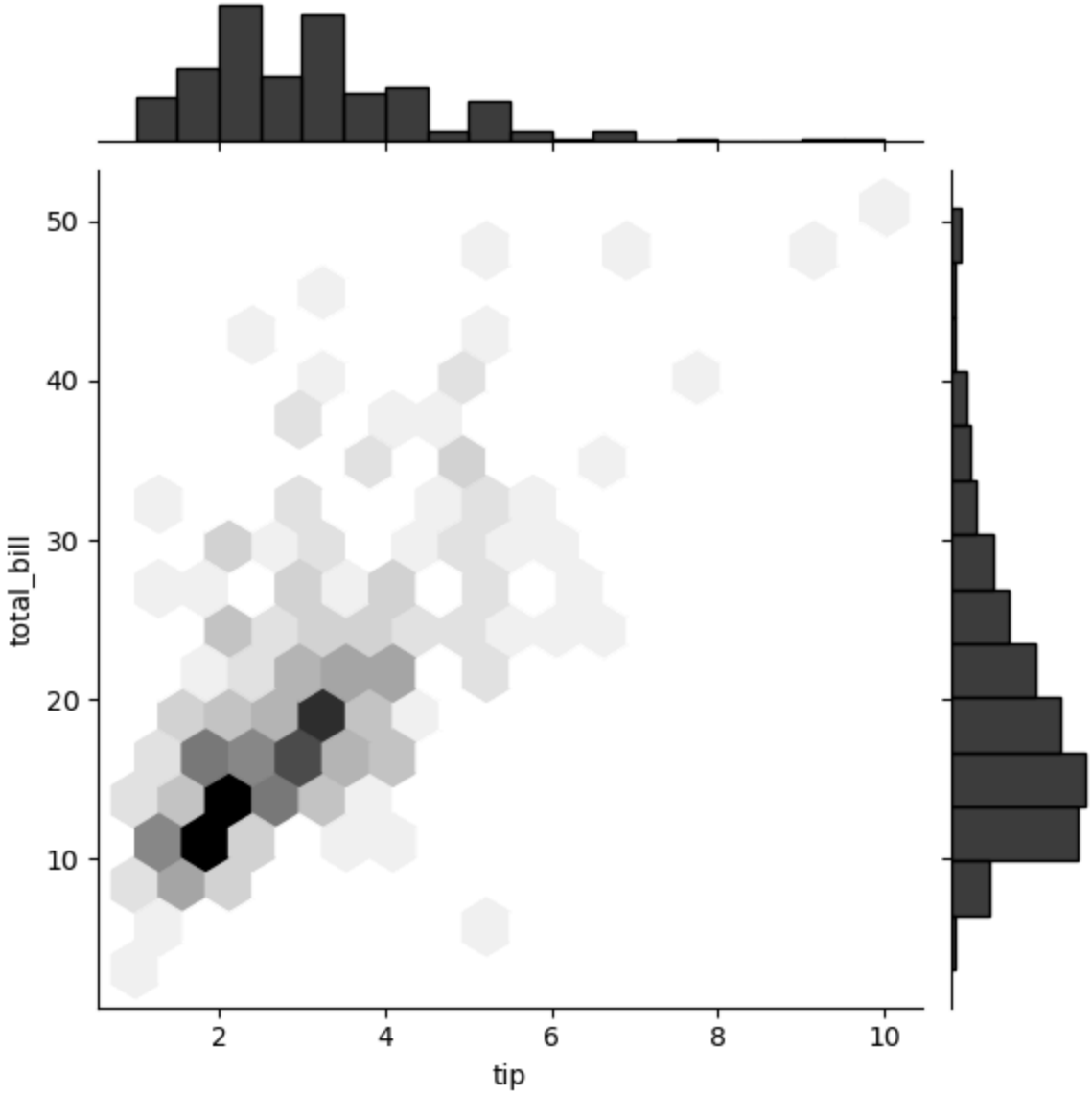
```
C:\Users\DELL\anaconda3\Lib\site-packages\seaborn\axisgrid.py:118: UserWarning: The figure layout has chang
ed to tight
  self._figure.tight_layout(*args, **kwargs)
```

Out[7]:
```
<seaborn.axisgrid.FacetGrid at 0x1ec3f8f15d0>
```



In [8]:
```
sns.jointplot(x="tip",y="total_bill",data=data,kind="hex",color="black")
```

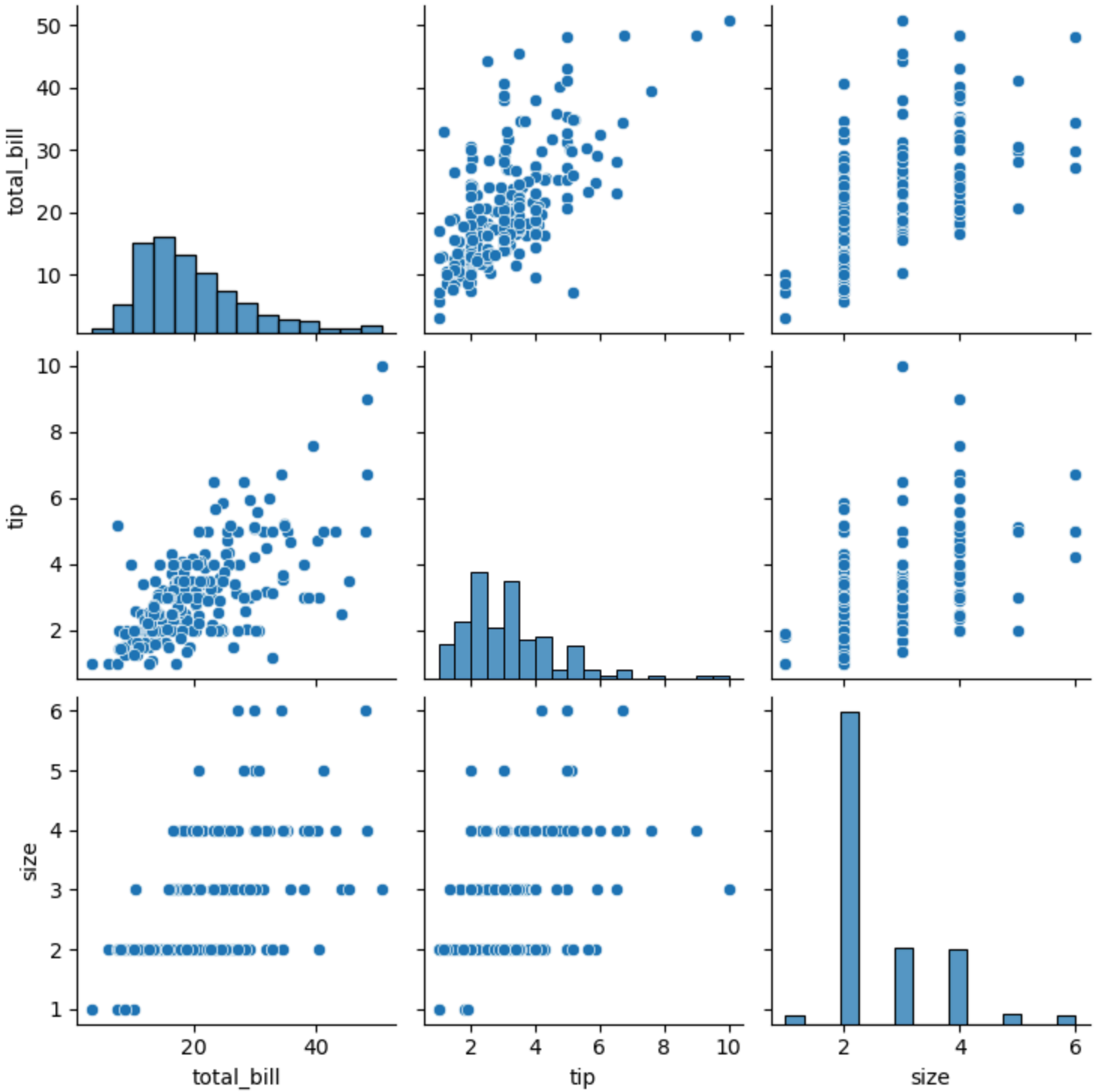
Out[8]: <seaborn.axisgrid.JointGrid at 0x1ec3f9b6350>



In [9]:
```
sns.pairplot(data)
```

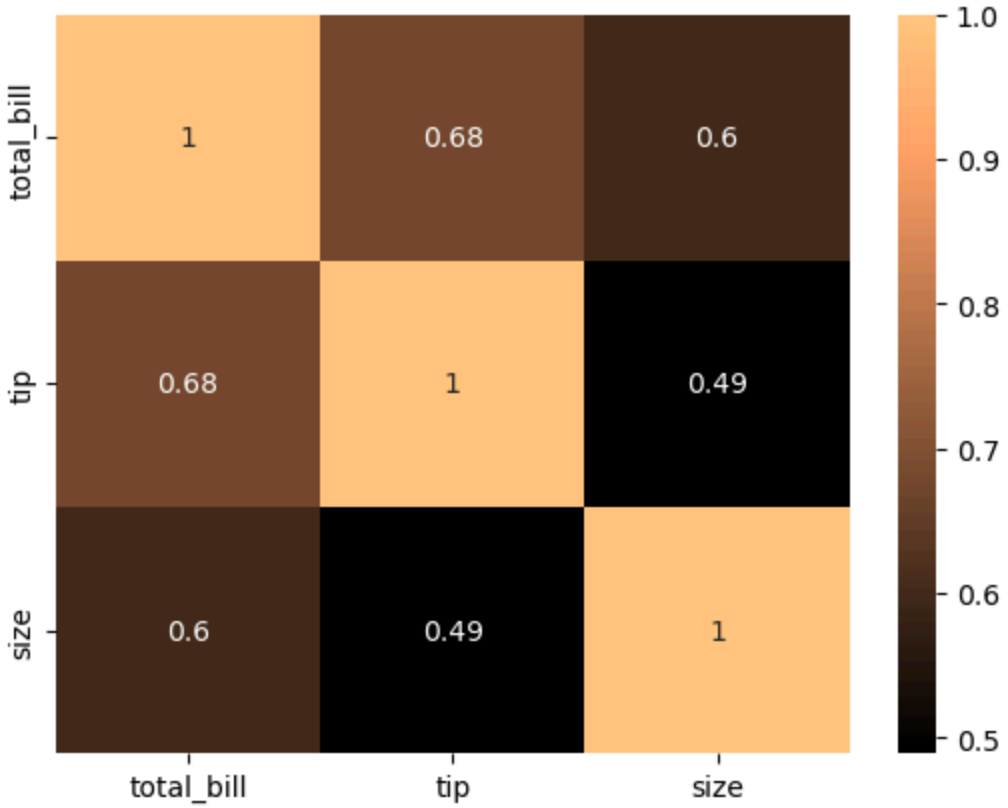
```
C:\Users\DELL\anaconda3\Lib\site-packages\seaborn\axisgrid.py:118: UserWarning: The figure layout has chang
ed to tight
  self._figure.tight_layout(*args, **kwargs)
```

Out[9]:
```
<seaborn.axisgrid.PairGrid at 0x1ec3f881d90>
```


total_bill
tip
size
total_bill
tip
size

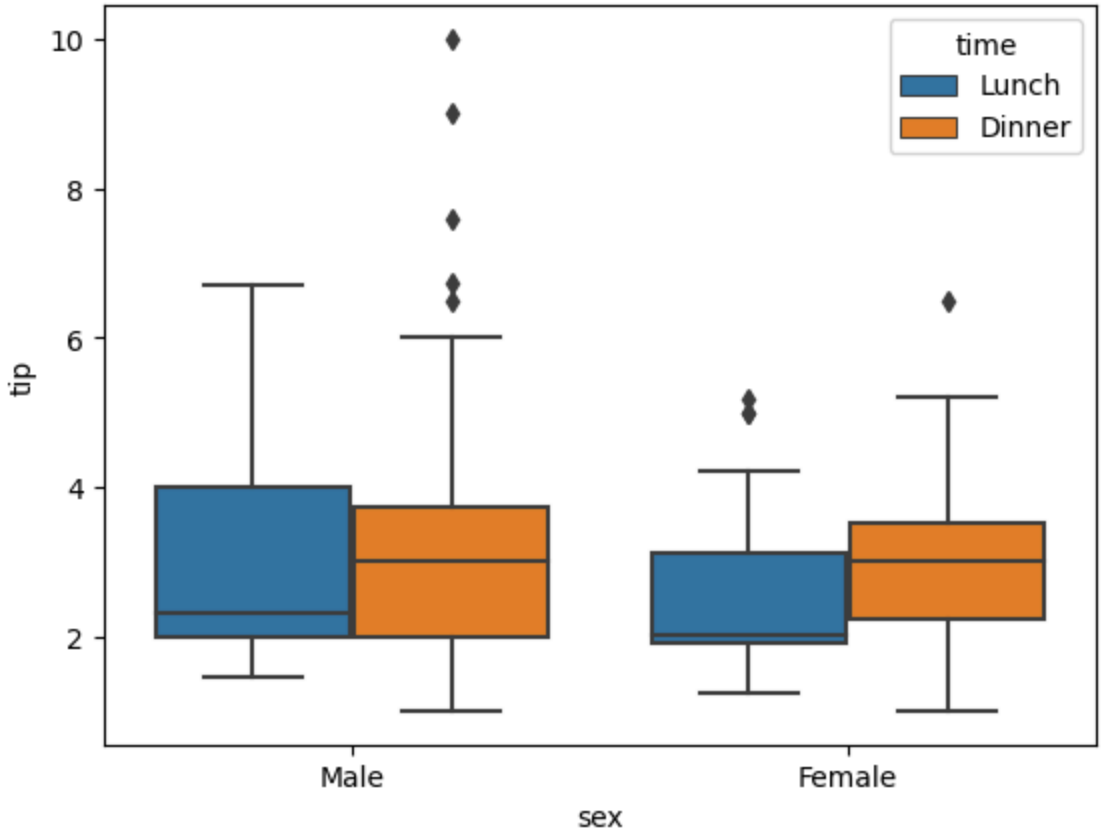
In [10]:
```
sns.heatmap(data[["total_bill","tip","size"]].corr(),annot=True,cmap="copper")
```

Out[10]: <Axes: >



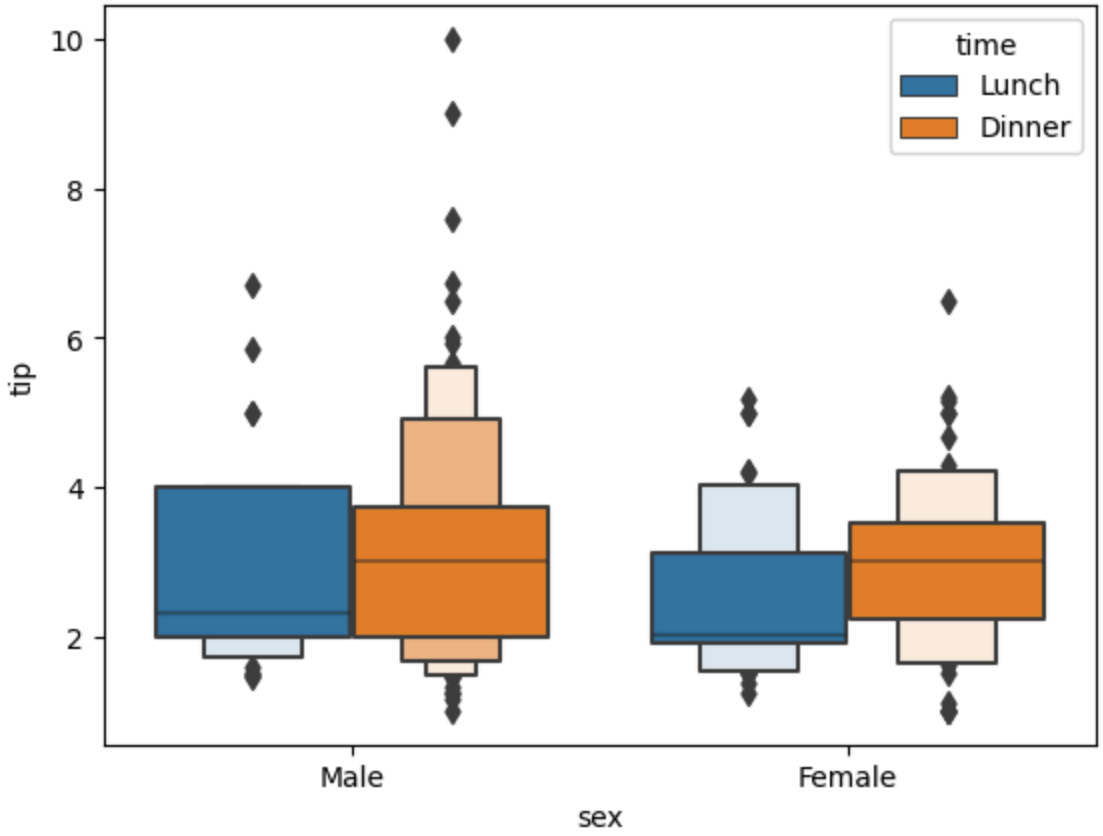
In [11]:
```
sns.boxplot(x=data["sex"],y=data["tip"],hue=data["time"])
```

Out[11]: <Axes: xlabel='sex', ylabel='tip'>



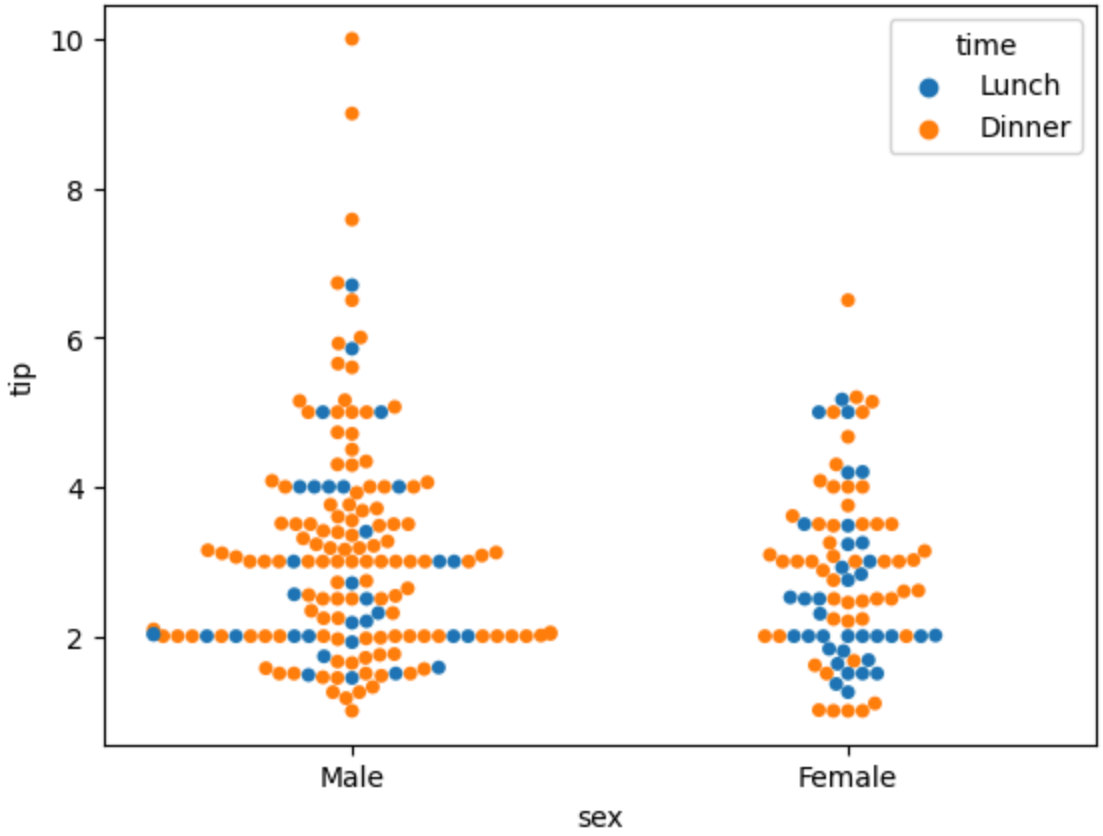
In [12]:
```
sns.boxenplot(x=data["sex"],y=data["tip"],hue=data["time"])
```

Out[12]:
```
<Axes: xlabel='sex', ylabel='tip'>
```



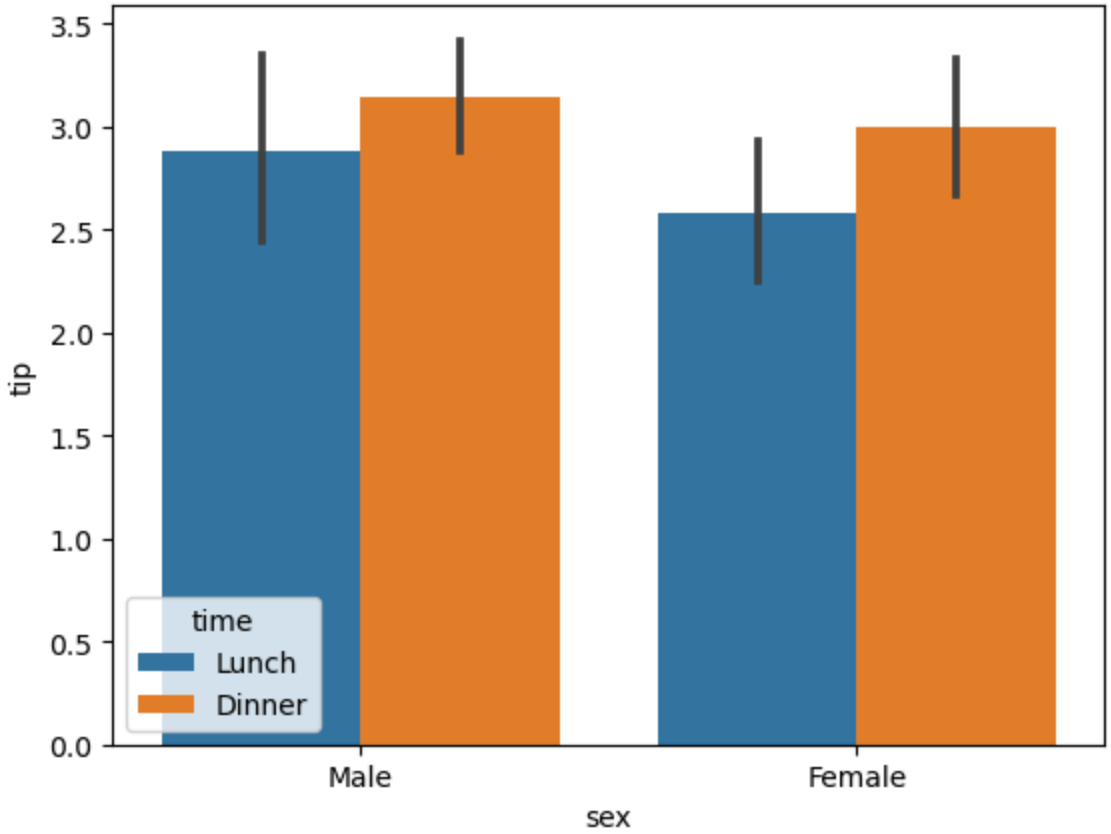
In [13]:
```
sns.swarmplot(x=data["sex"],y=data["tip"],hue=data["time"])
```

Out[13]: <Axes: xlabel='sex', ylabel='tip'>



In [14]:
```
sns.barplot(x=data["sex"],y=data["tip"],hue=data["time"])
```

Out[14]: <Axes: xlabel='sex', ylabel='tip'>



In [15]:
```
data
```

Out[15]:

	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
...	...	...	...	...	...	...	...
239	29.03	5.92	Male	No	Sat	Dinner	3
240	27.18	2.00	Female	Yes	Sat	Dinner	2
241	22.67	2.00	Male	Yes	Sat	Dinner	2
242	17.82	1.75	Male	No	Sat	Dinner	2
243	18.78	3.00	Female	No	Thur	Dinner	2

244 rows × 7 columns

In [16]:
```
import pandas as pd
```

In [ ]:
```

```