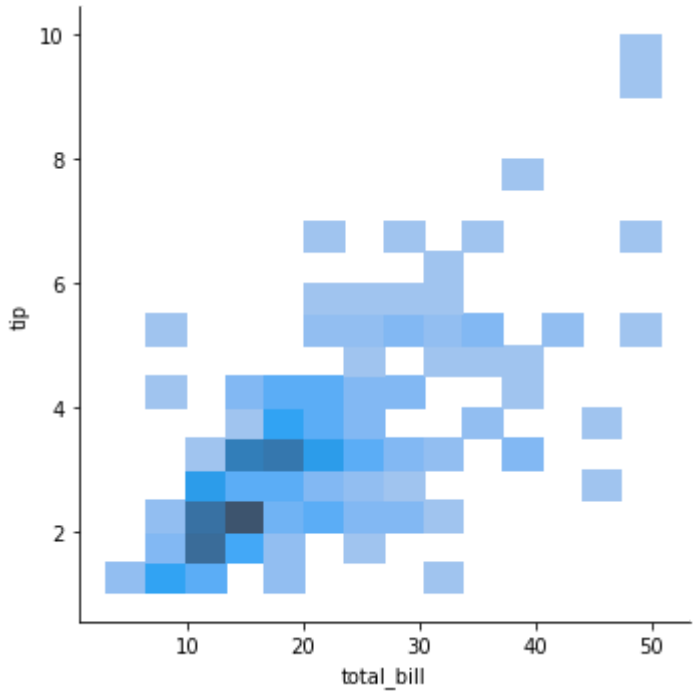
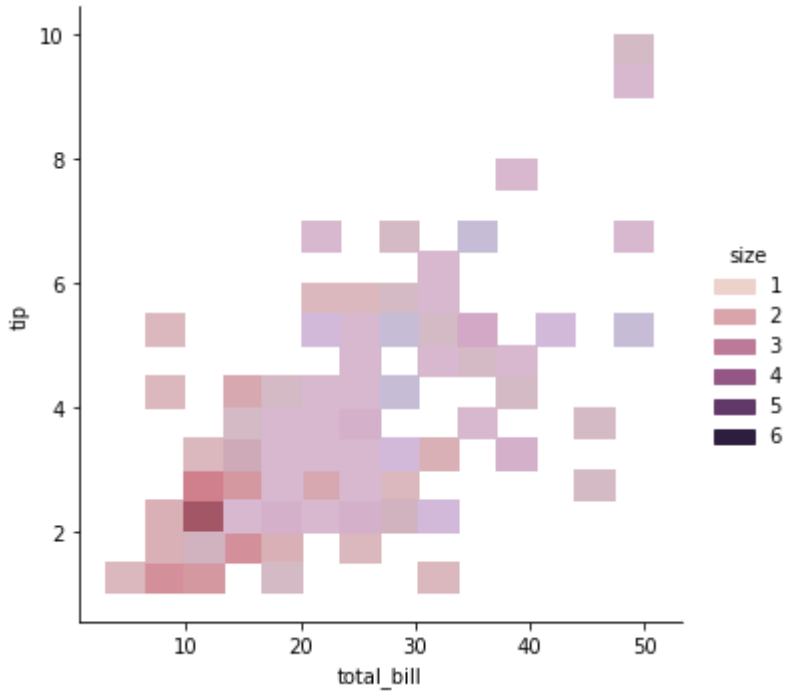
In [2]:

```
# When you use two variables for plotting, it is known as a bivariate plot.
# Here is a simple example:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill',y='tip', data=tips)
plt.show()
```



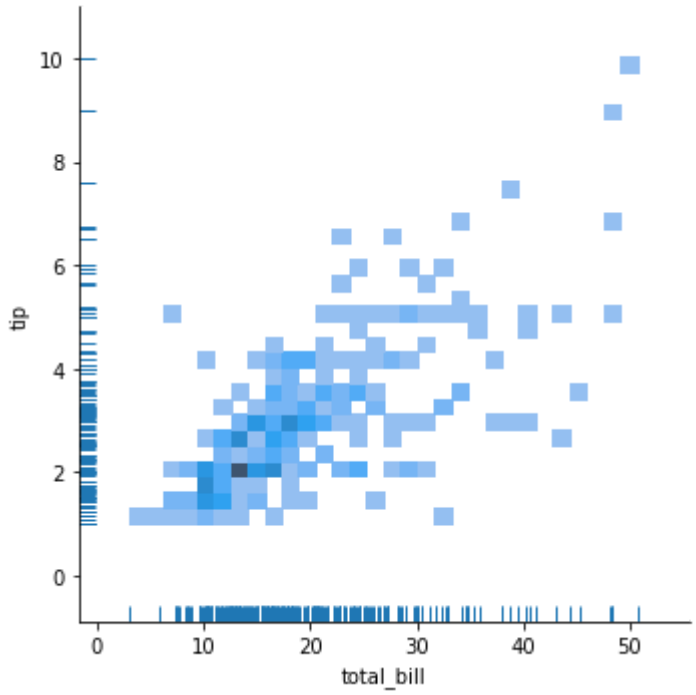
In [3]:

```
# You can add color to this example as follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip',hue='size', data=tips)
plt.show()
```



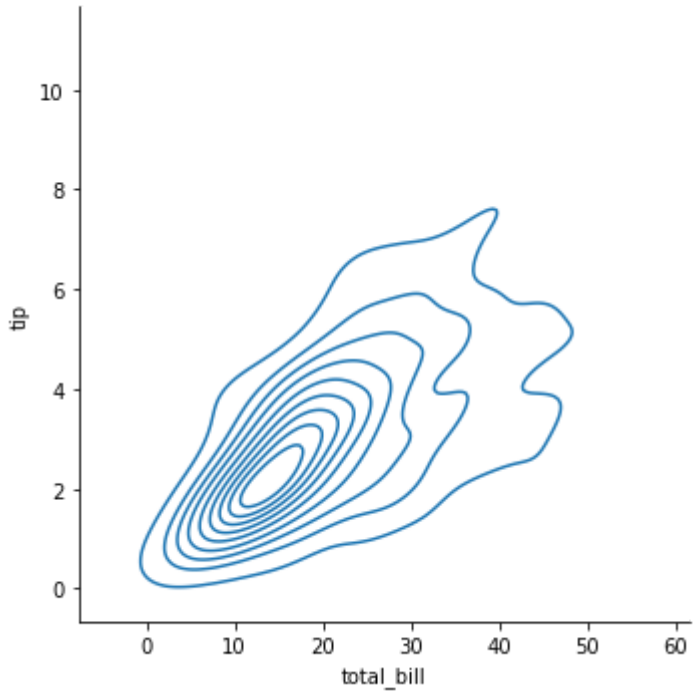
In [4]:

```
# You can also customize the size of bins and add ticks on the x- and y-axes (known as
# a rug plot) as follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip', data=tips, rug=True,
            kind='hist', bins=30)
plt.show()
```



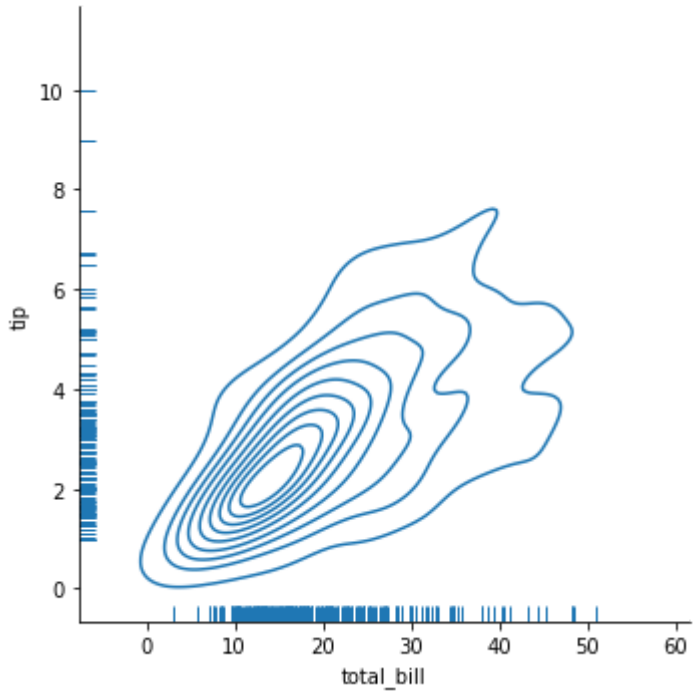
In [5]:

```
# A more interesting type of visualization is a bivariate KDE plot. It looks like a cont
# The code is as follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip', data=tips, kind='kde')
plt.show()
```



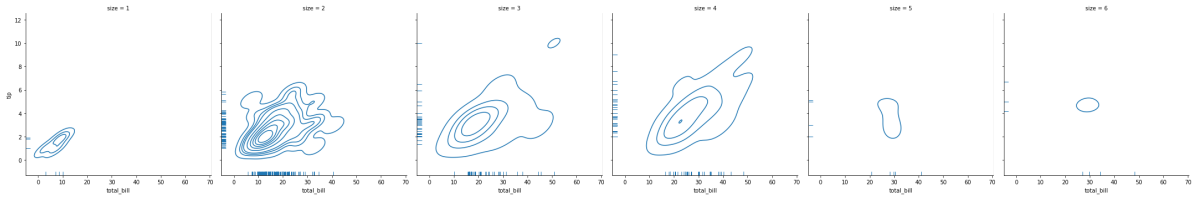
In [6]:

```
# You can add a rug plot to the output as follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip',data=tips, rug=True,kind='kde')
plt.show()
```



In [7]:

```
# Based on the columns in the dataframe, you can create individual visualizations
# arranged in rows or columns. Let's create a visualization based on the size of tips as
# follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip',data=tips, rug=True,kind='kde', col='size')
plt.show()
```



In [8]:

```
# You can also arrange the individual graphs in rows as follows:

%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
tips = sns.load_dataset("tips")
sns.displot(x='total_bill', y='tip',data=tips, rug=True,kind='kde', row='size')
plt.show()
```