

```
In [1]: import pandas as pd
```

```
In [2]: data = pd.read_csv('Shivesh Kumar - TelcomCustomer-Churn_2 (4).csv')
```

```
In [3]: data.head(2)
```

```
Out[3]:
```

	customerID	OnlineBackup	DeviceProtection	TechSupport	StreamingTV	StreamingMovies	Contract
0	7590-VHVEG	Yes	No	No	No	No	Month to month
1	5575-GNVDE	No	Yes	No	No	No	One year

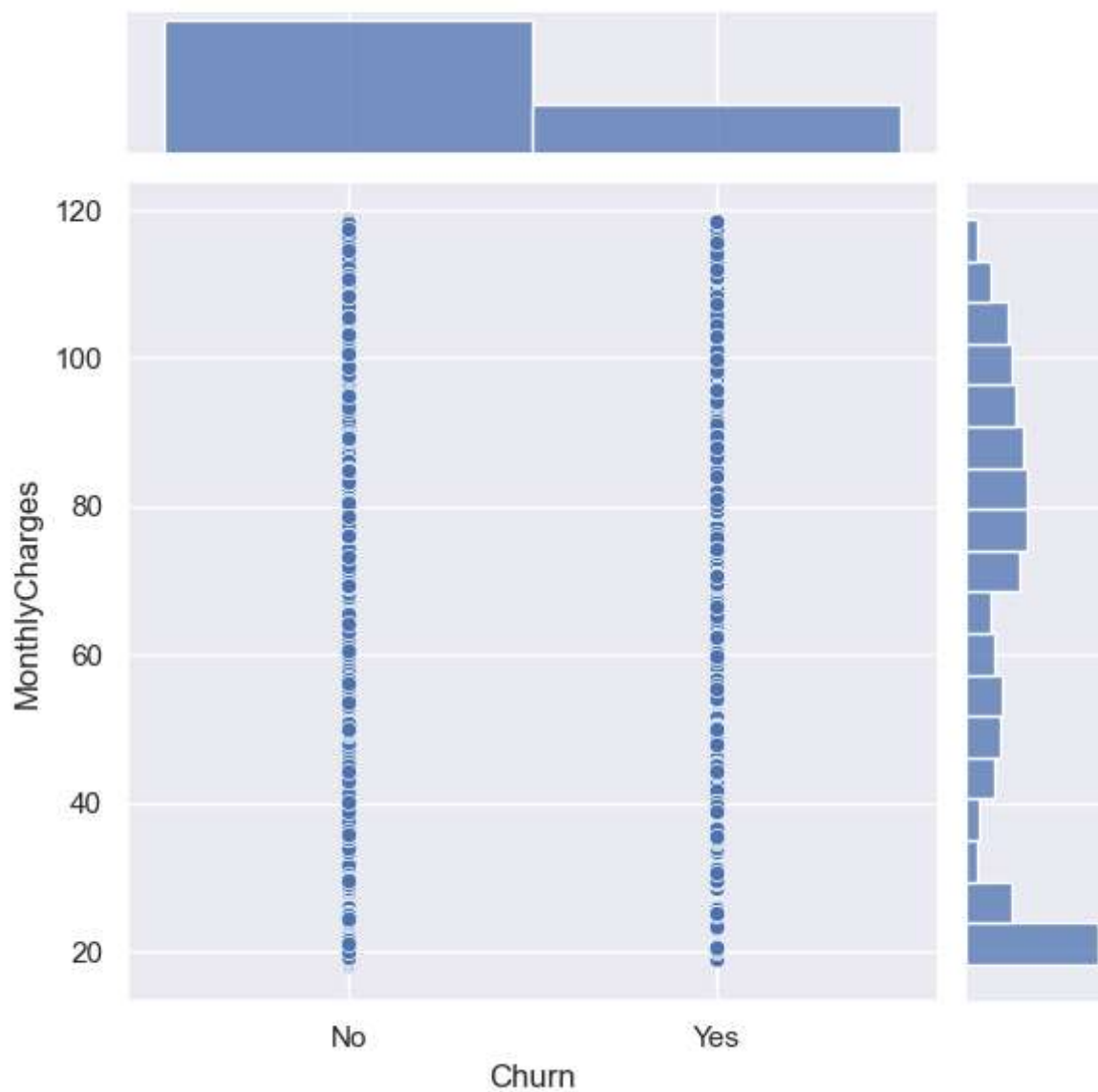
```
In [4]: import matplotlib.pyplot as plt
import seaborn as sns
sns.set(color_codes=True)
%matplotlib inline
```

```
In [5]: sns.jointplot(data['Churn'], data['MonthlyCharges'])
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

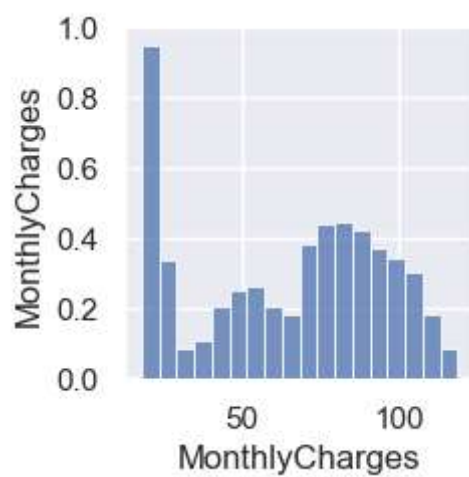
```
warnings.warn(
```

```
Out[5]: <seaborn.axisgrid.JointGrid at 0x258a3ca0a30>
```



```
In [19]: sns.pairplot(data[['Churn', 'MonthlyCharges']])
```

```
Out[19]: <seaborn.axisgrid.PairGrid at 0x197302d4df0>
```

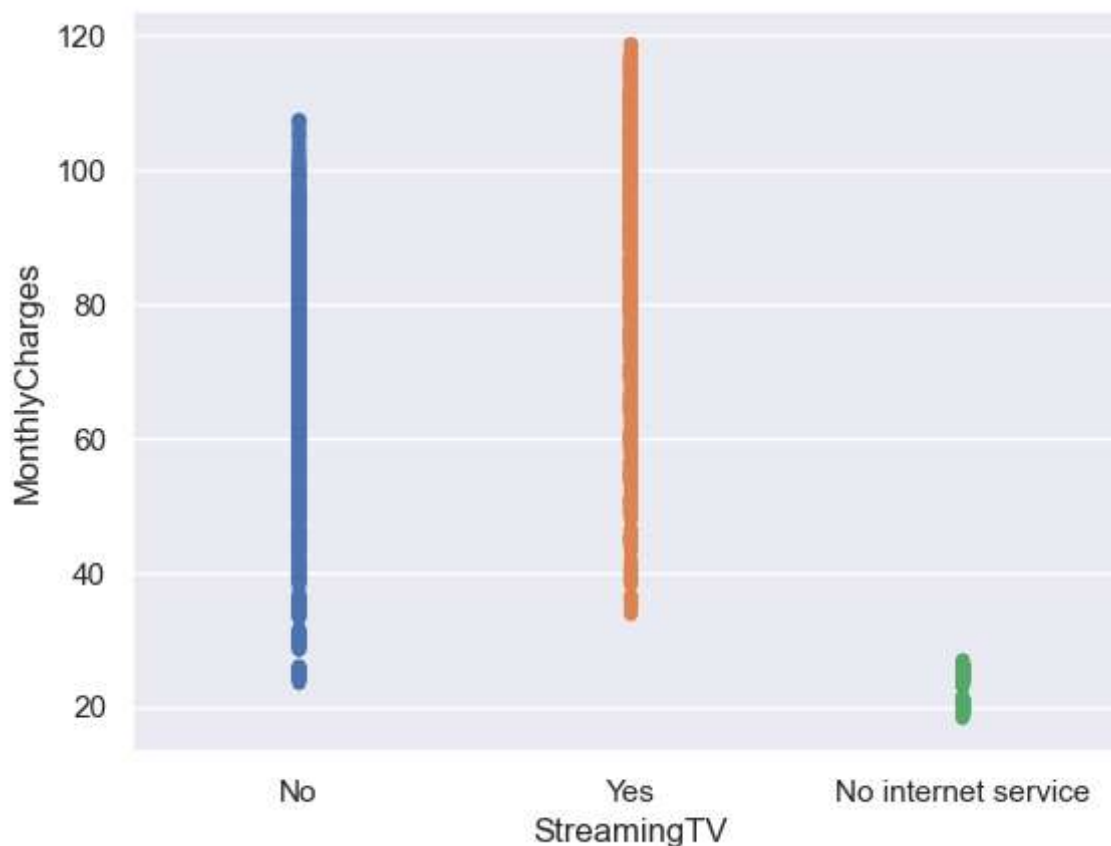


```
In [20]: sns.stripplot(data['StreamingTV'], data['MonthlyCharges'], jitter=False)
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

Out[20]: <AxesSubplot:xlabel='StreamingTV', ylabel='MonthlyCharges'>



In [17]: `sns.swarmplot(data['DeviceProtection'], data['MonthlyCharges'])`

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn\categorical.py:1296: UserWarning: 76.9% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

```
warnings.warn(msg, UserWarning)
```

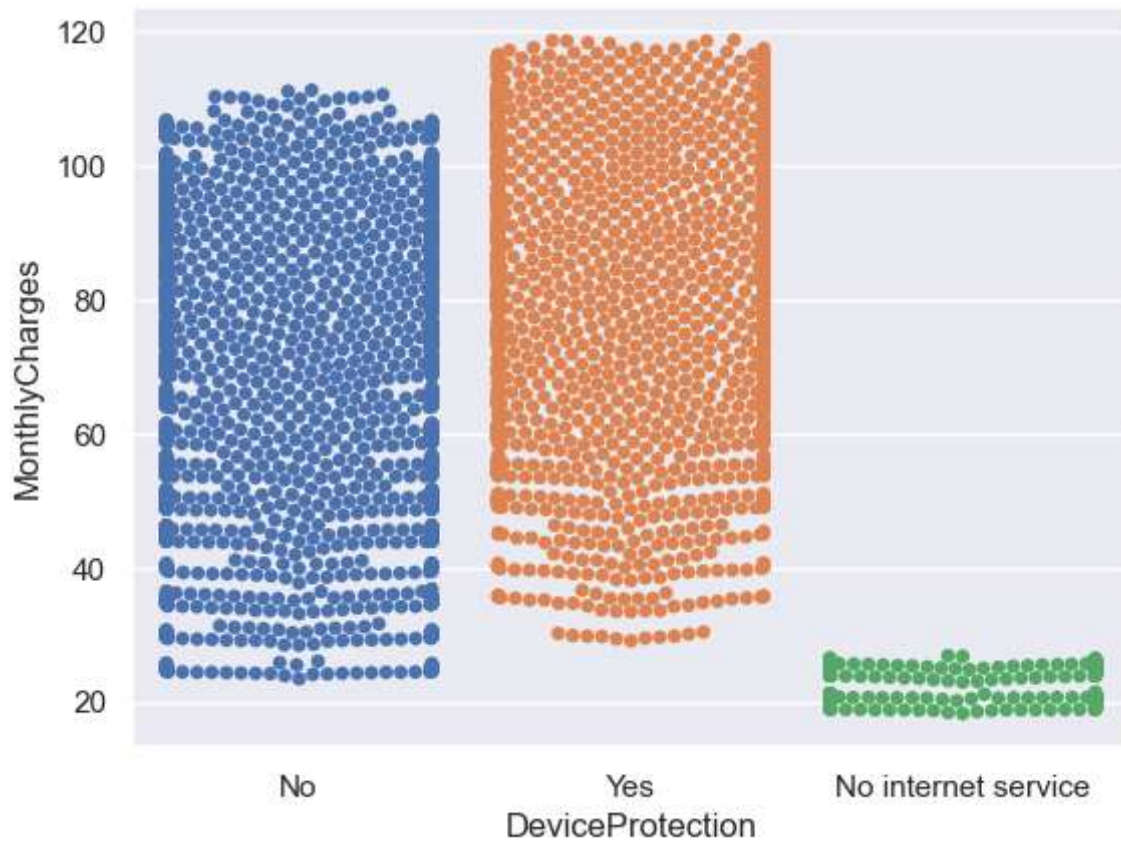
C:\ProgramData\Anaconda3\lib\site-packages\seaborn\categorical.py:1296: UserWarning: 69.5% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

```
warnings.warn(msg, UserWarning)
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn\categorical.py:1296: UserWarning: 95.0% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.

```
warnings.warn(msg, UserWarning)
```

Out[17]: <AxesSubplot:xlabel='DeviceProtection', ylabel='MonthlyCharges'>

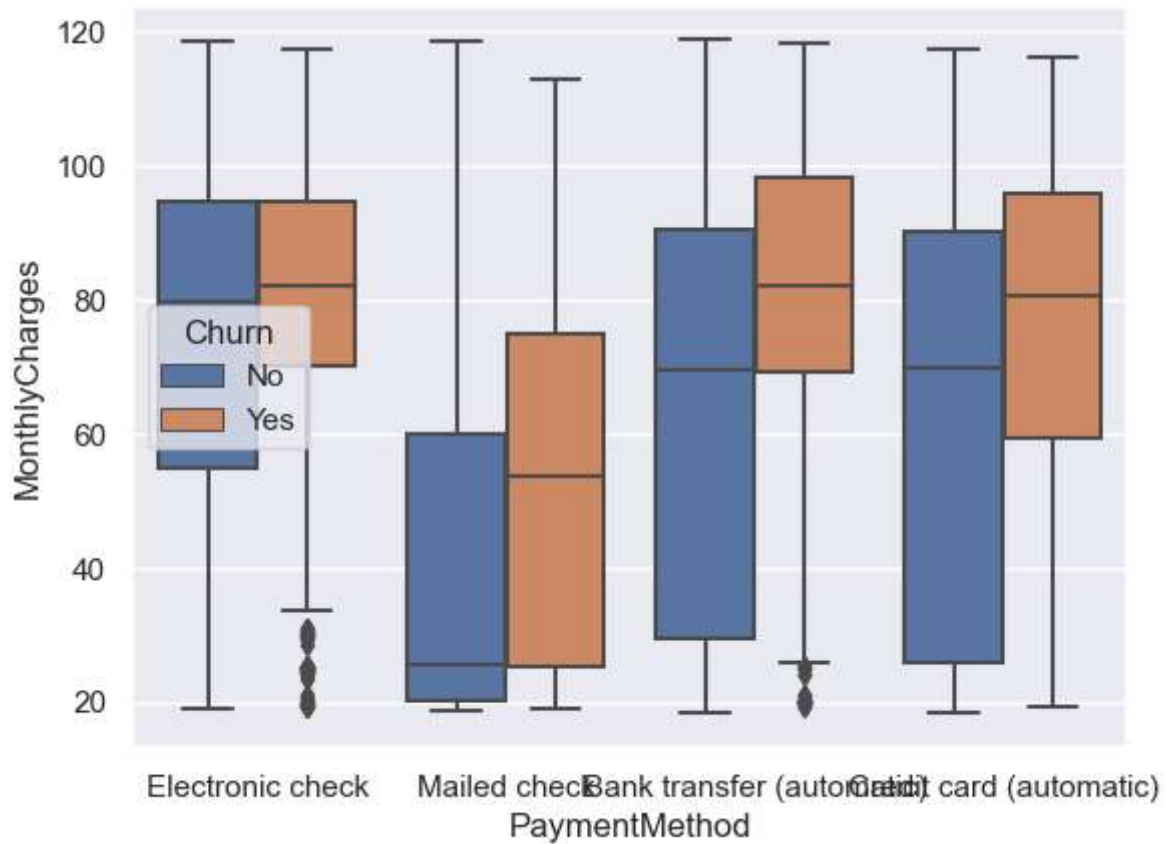


```
In [15]: sns.boxplot(data['PaymentMethod'],data['MonthlyCharges'],hue=data['Churn'])
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

```
Out[15]: <AxesSubplot:xlabel='PaymentMethod', ylabel='MonthlyCharges'>
```

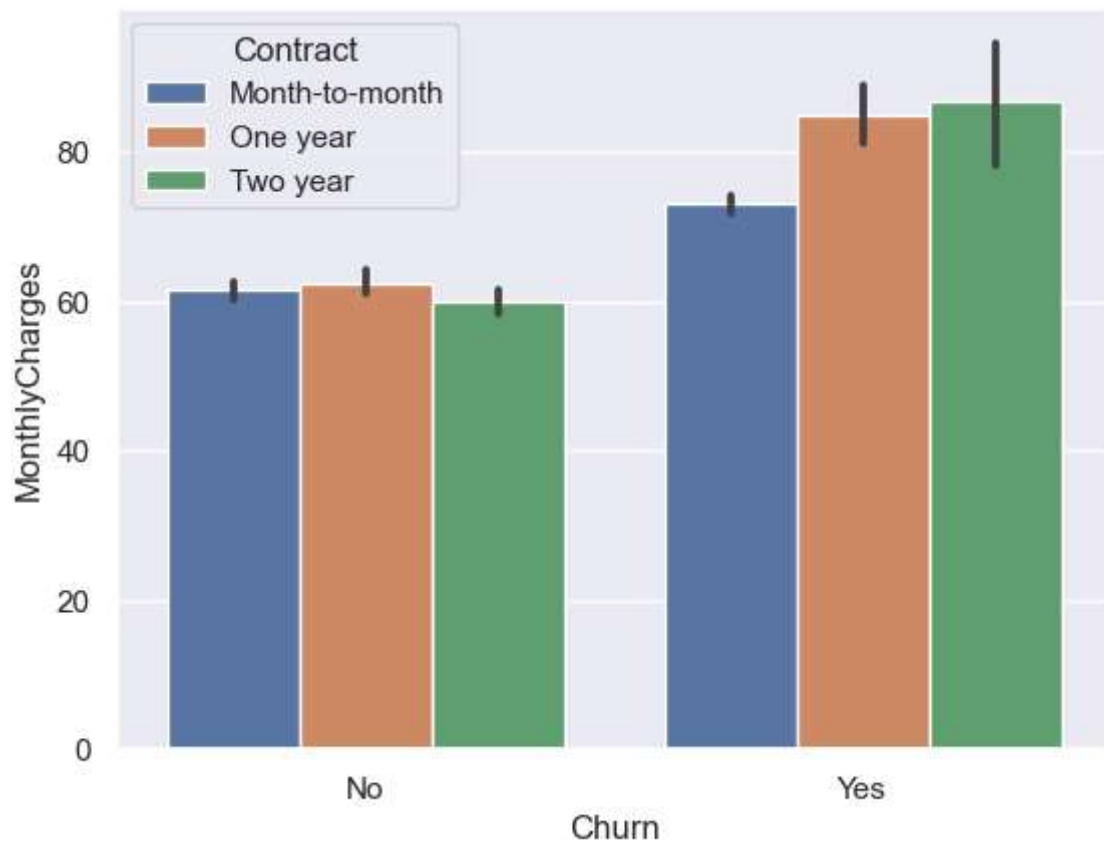


```
In [6]: sns.barplot(data['Churn'], data['MonthlyCharges'], hue=data['Contract'])
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

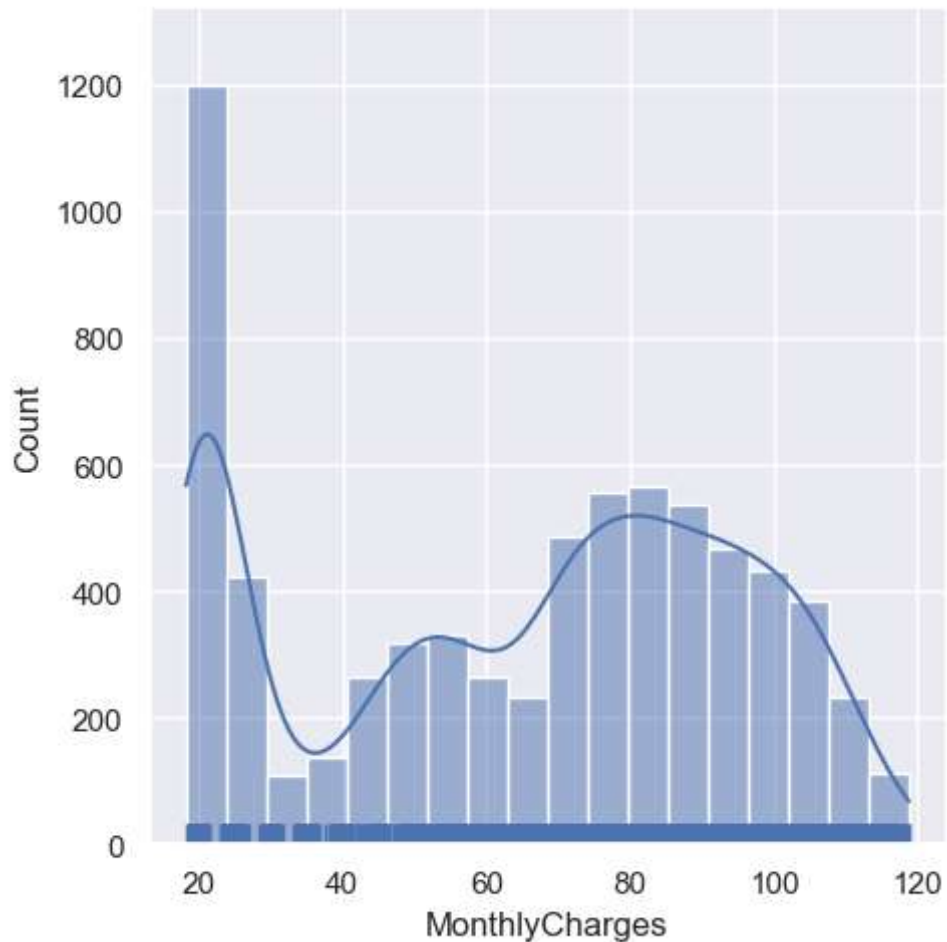
```
Out[6]: <AxesSubplot:xlabel='Churn', ylabel='MonthlyCharges'>
```



```
In [ ]: sns.catplot(data=data,x='MonthlyCharges',y='TotalCharges')
```

```
In [25]: sns.displot(data['MonthlyCharges'],kde="True",rug="False")
```

```
Out[25]: <seaborn.axisgrid.FacetGrid at 0x21af4f49a00>
```

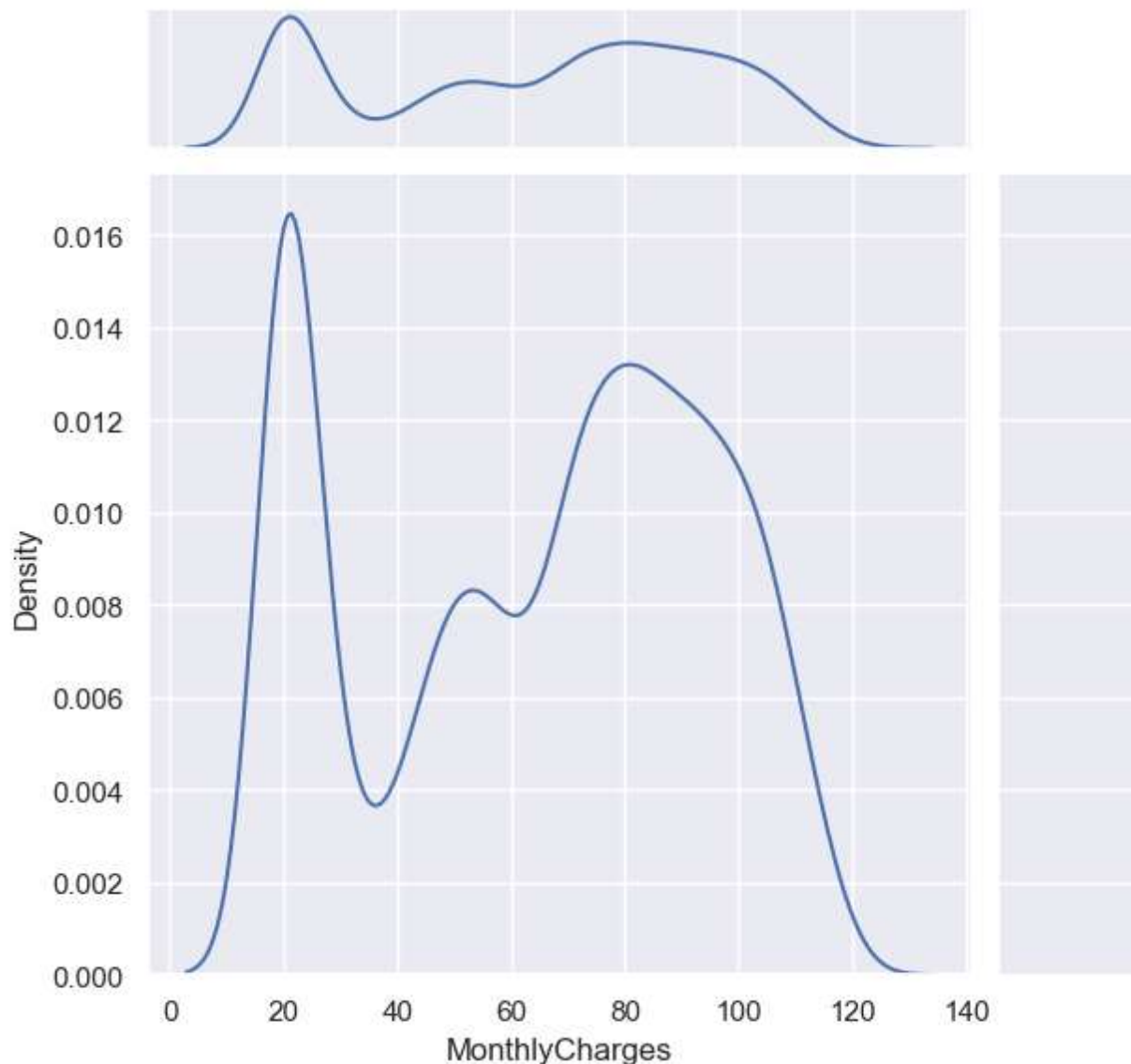


```
In [10]: sns.jointplot(data['MonthlyCharges'],kind="kde")
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

```
Out[10]: <seaborn.axisgrid.JointGrid at 0x258a81db940>
```

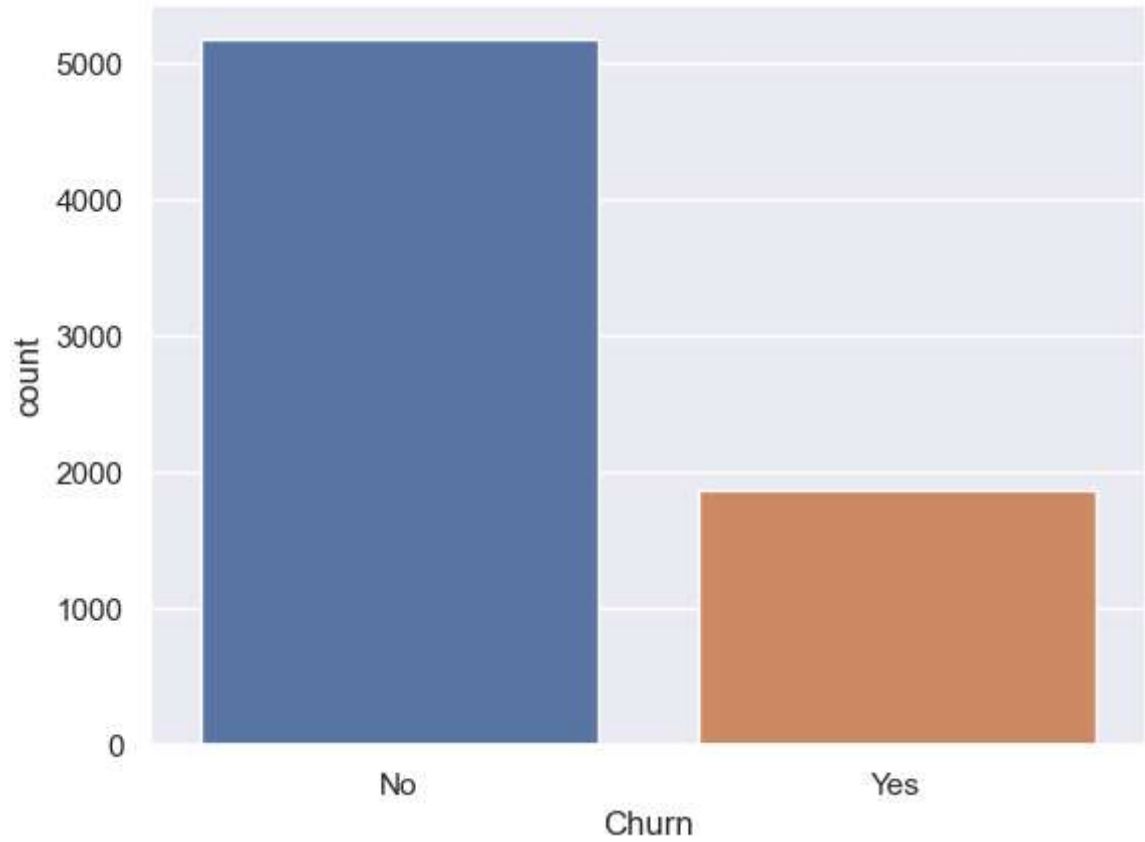



```
In [13]: sns.countplot(data['Churn'])
```

C:\ProgramData\Anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

```
Out[13]: <AxesSubplot:xlabel='Churn', ylabel='count'>
```

```
In [ ]:
```