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

```
df = pd.read_csv('mxmh_survey_results.csv')
df.head(10)
```

	Timestamp	Age	Primary streaming service	Hours per day	While working	Instrumentalist	Composer	Fav genre	E›
0	8/27/2022 19:29:02	18.0	Spotify	3.0	Yes	Yes	Yes	Latin	
1	8/27/2022 19:57:31	63.0	Pandora	1.5	Yes	No	No	Rock	
2	8/27/2022 21:28:18	18.0	Spotify	4.0	No	No	No	Video game music	
3	8/27/2022 21:40:40	61.0	YouTube Music	2.5	Yes	No	Yes	Jazz	
4	8/27/2022 21:54:47	18.0	Spotify	4.0	Yes	No	No	R&B	
5	8/27/2022 21:56:50	18.0	Spotify	5.0	Yes	Yes	Yes	Jazz	
6	8/27/2022 22:00:29	18.0	YouTube Music	3.0	Yes	Yes	No	Video game music	
7	8/27/2022 22:18:59	21.0	Spotify	1.0	Yes	No	No	K pop	
8	8/27/2022 22:33:05	19.0	Spotify	6.0	Yes	No	No	Rock	
9	8/27/2022 22:44:03	18.0	I do not use a streaming service.	1.0	Yes	No	No	R&B	

10 rows × 33 columns

New Section

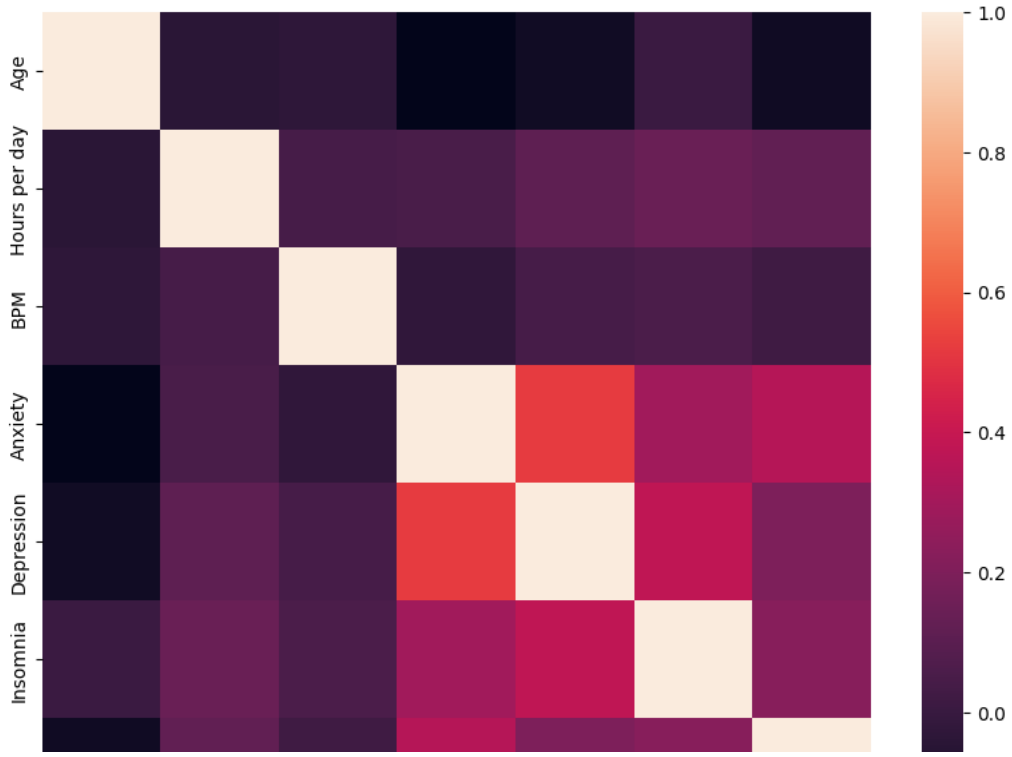
```
df.corr()
```

```
<ipython-input-3-2f6f6606aa2c>:1: FutureWarning: The default value of numeric_only in DataFrame.cor
  df.corr()
```

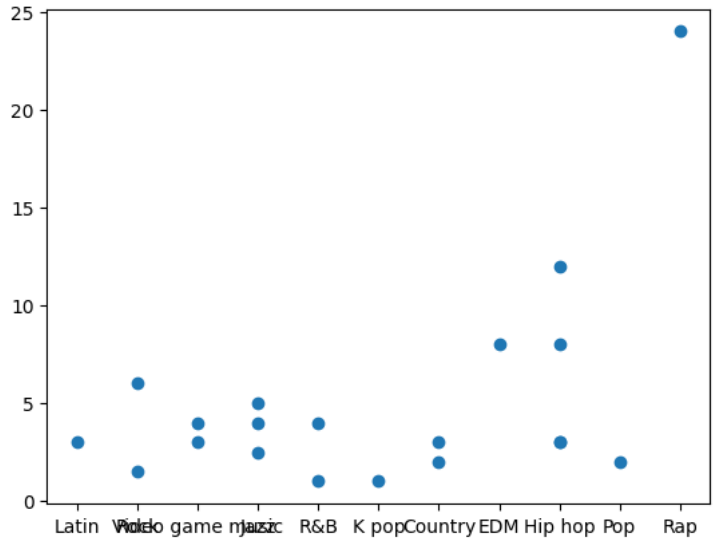
	Age	Hours per day	BPM	Anxiety	Depression	Insomnia	OCD
Age	1.000000	-0.044638	-0.029928	-0.176662	-0.121563	0.006909	-0.130114
Hours per day	-0.044638	1.000000	0.042554	0.049319	0.110527	0.141821	0.118729
BPM	-0.029928	0.042554	1.000000	-0.027050	0.041371	0.053591	0.018927
Anxiety	-0.176662	0.049319	-0.027050	1.000000	0.519969	0.292669	0.348350
Depression	-0.121563	0.110527	0.041371	0.519969	1.000000	0.378996	0.196988
Insomnia	0.006909	0.141821	0.053591	0.292669	0.378996	1.000000	0.226354
OCD	-0.130114	0.118729	0.018927	0.348350	0.196988	0.226354	1.000000

```
corr = df.corr()
plt.figure(figsize=(10, 8))
sns.heatmap(corr)
plt.show()
```

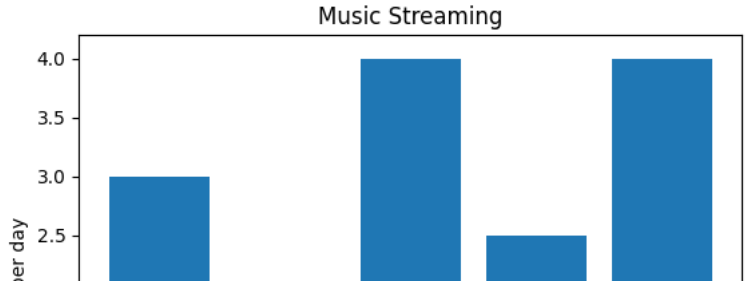
```
<ipython-input-4-bab1171a0129>:1: FutureWarning: The default value of numeric_only in DataFrame.cor
  corr = df.corr()
```



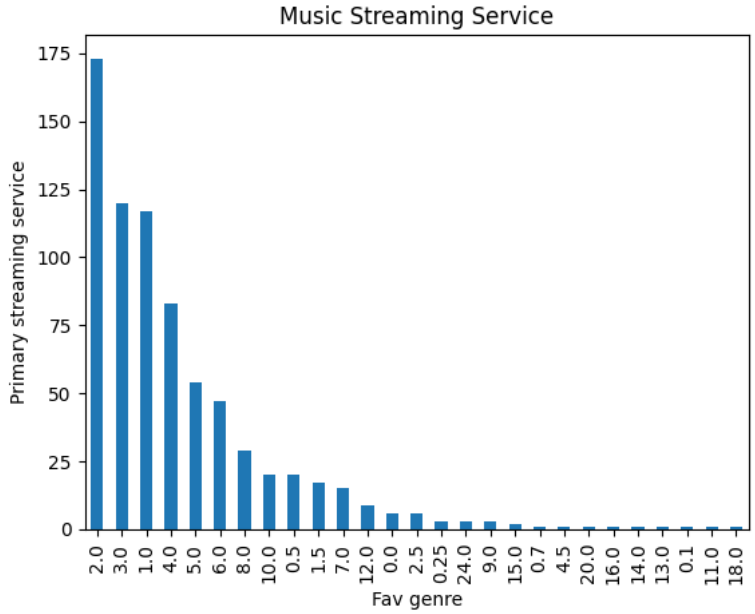

```
x = df["Fav genre"][0:20]
y = df["Hours per day"][0:20]
plt.scatter(x,y)
plt.show()
```




```
x = df["Fav genre"][0:5]
y = df["Hours per day"][0:5]
plt.xlabel('Fav genre')
plt.ylabel('Hours per day')
plt.title('Music Streaming')
plt.bar(x, y)
plt.show()
```




```
plot = df["Hours per day"].value_counts().plot(kind="bar")
plt.xlabel('Fav genre')
plt.ylabel('Primary streaming service')
plt.title('Music Streaming Service')
plt.show()
```




```
plot = df["Hours per day"].value_counts().plot(kind="line")
plt.ylabel("")
plt.title('Music Streaming Service')
plt.show()
```