MÜZIK VE RUH SAĞLIĞI ARAŞTIRMA SONUÇLARI
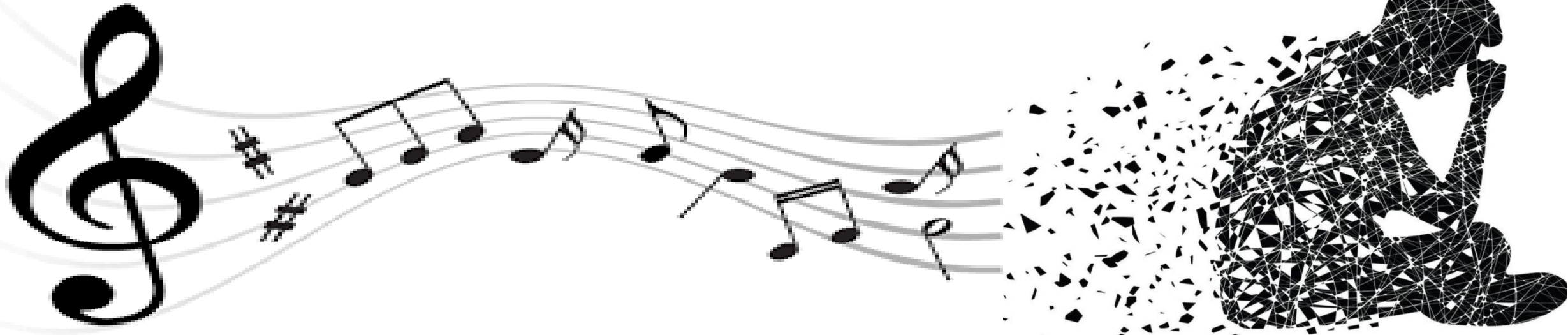
Bu Dosyada Ne Var

- Müzik dinlemek içim hangi platformu kullandıkları

- Kaç saat müzik dinledikleri

- Yaşları

- Hangi Müzik türünün daha çok tercijh edildiği

- Anksiye,depresyon,uyku bozukluğu ne kadar ağırlıkta olduğunu sayısal bir şekilde gösterilmektedir.

KAYNAK NERDEN ALINDI

Kaggle sitesinde CATHERINE RASGAITIS yaptığı Music & Mental Health Survey Results **(Müzik ve Ruh Sağlığı Araştırması Sonuçları)** başlığındaki dosyasından aldım

```python
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

Kütüphaneleri indirdim

```python
df=pd.read_csv("/content/mxmh_survey_results.csv",delimiter=",")
df.head(10)
```

Dosyayı indirip içindeki datalara 10.satıra kadar baktım

Timestamp	Age	Primary streaming service	Hours per day	While working	Instrumentalist	Composer	Fav genre	Exploratory	Foreign languages	...	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]	Anxiety	Depression	Insomnia	OCD	Music effects	Permissions
8/27/2022 19:29:02	18.0	Spotify	3.0	Yes	Yes	Yes	Latin	Yes	Yes	...	Sometimes	Very frequently	Never	Sometimes	3.0	0.0	1.0	0.0	NaN	I understand.
8/27/2022 19:57:31	63.0	Pandora	1.5	Yes	No	No	Rock	Yes	No	...	Sometimes	Rarely	Very frequently	Rarely	7.0	2.0	2.0	1.0	NaN	I understand.
8/27/2022 21:28:18	18.0	Spotify	4.0	No	No	No	Video game music	No	Yes	...	Never	Rarely	Rarely	Very frequently	7.0	7.0	10.0	2.0	No effect	I understand.
8/27/2022 21:40:40	61.0	YouTube Music	2.5	Yes	No	Yes	Jazz	Yes	Yes	...	Sometimes	Never	Never	Never	9.0	7.0	3.0	3.0	Improve	I understand.
8/27/2022 21:54:47	18.0	Spotify	4.0	Yes	No	No	R&B	Yes	No	...	Very frequently	Very frequently	Never	Rarely	7.0	2.0	5.0	9.0	Improve	I understand.
8/27/2022 21:56:50	18.0	Spotify	5.0	Yes	Yes	Yes	Jazz	Yes	Yes	...	Very frequently	Very frequently	Very frequently	Never	8.0	8.0	7.0	7.0	Improve	I understand.
8/27/2022 22:00:29	18.0	YouTube Music	3.0	Yes	Yes	No	Video game music	Yes	Yes	...	Rarely	Never	Never	Sometimes	4.0	8.0	6.0	0.0	Improve	I understand.
8/27/2022 22:18:59	21.0	Spotify	1.0	Yes	No	No	K pop	Yes	Yes	...	Sometimes	Rarely	Never	Rarely	5.0	3.0	5.0	3.0	Improve	I understand.
8/27/2022 22:33:05	19.0	Spotify	6.0	Yes	No	No	Rock	No	No	...	Never	Never	Very frequently	Never	2.0	0.0	0.0	0.0	Improve	I understand.
8/27/2022 22:44:03	18.0	I do not use a streaming service.	1.0	Yes	No	No	R&B	Yes	Yes	...	Sometimes	Rarely	Sometimes	Sometimes	2.0	2.0	5.0	1.0	Improve	I understand.

```
df.shape

(736, 33)
```

Satır   Sütun

Dosyanın içindekiler hakkında bilgi öğrendim

```
df.info

<bound method DataFrame.info of          Timestamp   Age Primary streaming service  Hours per day  \
0      8/27/2022 19:29:02  18.0                 Spotify            3.0
1      8/27/2022 19:57:31  63.0                 Pandora            1.5
2      8/27/2022 21:28:18  18.0                 Spotify            4.0
3      8/27/2022 21:40:40  61.0           YouTube Music            2.5
4      8/27/2022 21:54:47  18.0                 Spotify            4.0
..               ...   ...                     ...            ...
731   10/30/2022 14:37:28  17.0                 Spotify            2.0
732    11/1/2022 22:26:42  18.0                 Spotify            1.0
733    11/3/2022 23:24:38  19.0   Other streaming service          6.0
734    11/4/2022 17:31:47  19.0                 Spotify            5.0
735     11/9/2022 1:55:20  29.0           YouTube Music            2.0

    While working Instrumentalist Composer           Fav genre Exploratory  \
0            Yes            Yes      Yes               Latin         Yes
1            Yes             No       No                Rock         Yes
2             No             No       No    Video game music          No
3            Yes             No      Yes                Jazz         Yes
4            Yes             No       No                 R&B         Yes
..           ...            ...      ...                 ...         ...
731          Yes            Yes       No                Rock         Yes
732          Yes            Yes       No                 Pop         Yes
733          Yes             No      Yes                 Rap         Yes
734          Yes            Yes       No           Classical          No
735          Yes             No       No             Hip hop         Yes

    Foreign languages  ... Frequency [R&B] Frequency [Rap] Frequency [Rock]  \
0                 Yes  ...       Sometimes  Very frequently           Never
1                  No  ...       Sometimes           Rarely  Very frequently
2                 Yes  ...           Never           Rarely           Rarely
3                 Yes  ...       Sometimes            Never           Never
4                  No  ...  Very frequently  Very frequently          Never
..                ...  ...            ...              ...             ...
731               Yes  ...           Never           Rarely  Very frequently
732               Yes  ...           Never            Never        Sometimes
733                No  ...       Sometimes        Sometimes           Rarely
734                No  ...           Never            Never           Never
735               Yes  ...  Very frequently  Very frequently  Very frequently

    Frequency [Video game music] Anxiety Depression Insomnia  OCD  \
0                      Sometimes     3.0        0.0      1.0  0.0
1                         Rarely     7.0        2.0      2.0  1.0
2                Very frequently     7.0        7.0     10.0  2.0
3                          Never     9.0        7.0      3.0  3.0
4                         Rarely     7.0        2.0      5.0  9.0
..                           ...     ...        ...      ...  ...
731                        Never     7.0        6.0      0.0  9.0
732                    Sometimes     3.0        2.0      2.0  5.0
733                       Rarely     2.0        2.0      2.0  2.0
734                    Sometimes     2.0        3.0      2.0  1.0
735                       Rarely     2.0        2.0      2.0  5.0

    Music effects     Permissions
0             NaN  I understand.
1             NaN  I understand.
2       No effect  I understand.
3         Improve  I understand.
4         Improve  I understand.
```

Hangi müzik uygulamasını ne kadar çoğunlukta kullanımları

```
x=df["Primary streaming service"].value_counts()

x

Spotify                              458
YouTube Music                         94
I do not use a streaming service.     71
Apple Music                           51
Other streaming service               50
Pandora                               11
Name: Primary streaming service, dtype: int64
```
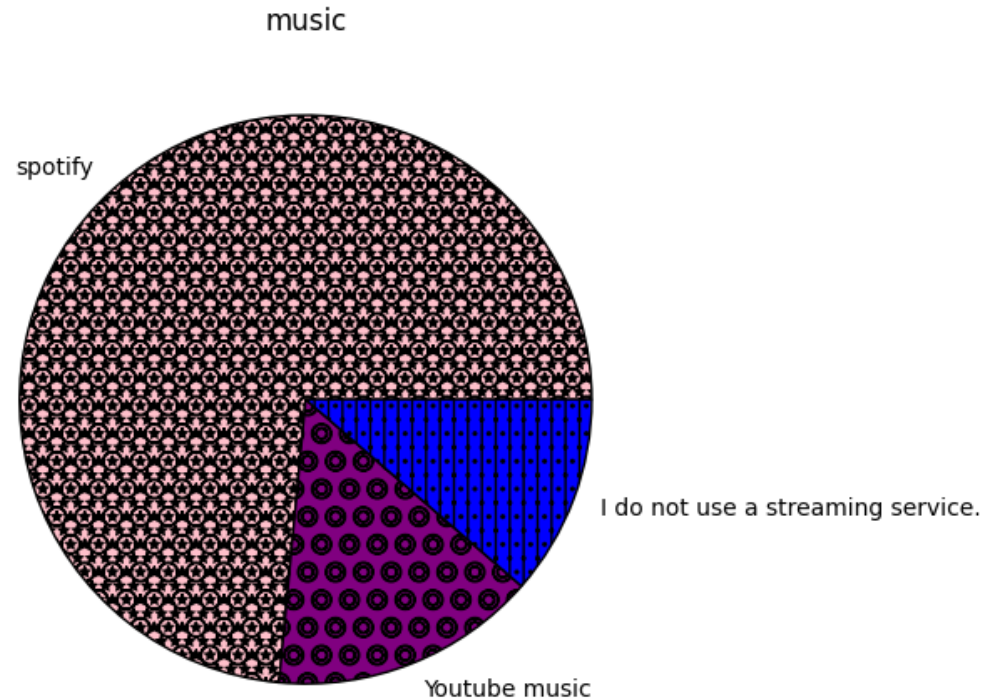

Char şeklinde gösterimi

```
slices=[458,94,71]

labels=["spotify","Youtube music","I do not use a streaming service."]

colors=["Pink","Purple","Blue"]


fig, ax = plt.subplots()
ax.pie(slices,colors=colors, labels=labels, hatch=['**O', 'oO','.||.'],wedgeprops={"edgecolor":"black"})
plt.title("music")
plt.tight_layout()
plt.show()
```

Hangi Favori türü kaç kişi seviyor?

```
[ ] z=df["Fav genre"].value_counts()

[ ] z

    Rock                188
    Pop                 114
    Metal                88
    Classical            53
    Video game music     44
    EDM                  37
    R&B                  35
    Hip hop              35
    Folk                 30
    K pop                26
    Country              25
    Rap                  22
    Jazz                 20
    Lofi                 10
    Gospel                6
    Latin                 3
    Name: Fav genre, dtype: int64
```
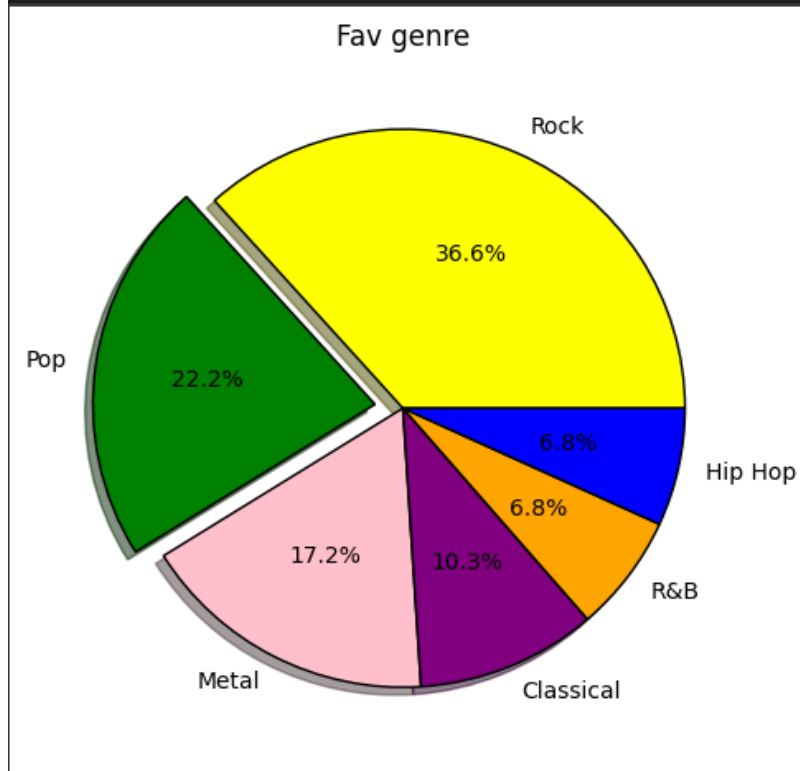
Charda gösterimi

```
[ ] slices=[188,114,88,53,35,35]
    labels=["Rock","Pop","Metal","Classical","R&B","Hip Hop"]
    colors=["yellow","green","Pink","Purple","Orange","Blue"]

    explode = [0,0.1,0,0,0,0]

    plt.pie(slices,labels=labels,wedgeprops={"edgecolor":"black"},colors=colors,explode=explode,shadow=True,autopct='%1.1f%%')

    plt.title("Fav genre")
    plt.tight_layout()
    plt.show()
```

R&B müziğini hangi sıklıkta kaç kişi dinliyo

```
x=df["Frequency [R&B]"].value_counts()

x

Never              225
Rarely             211
Sometimes          184
Very frequently    116
Name: Frequency [R&B], dtype: int64
```


Grafik şeklinde gösterimi
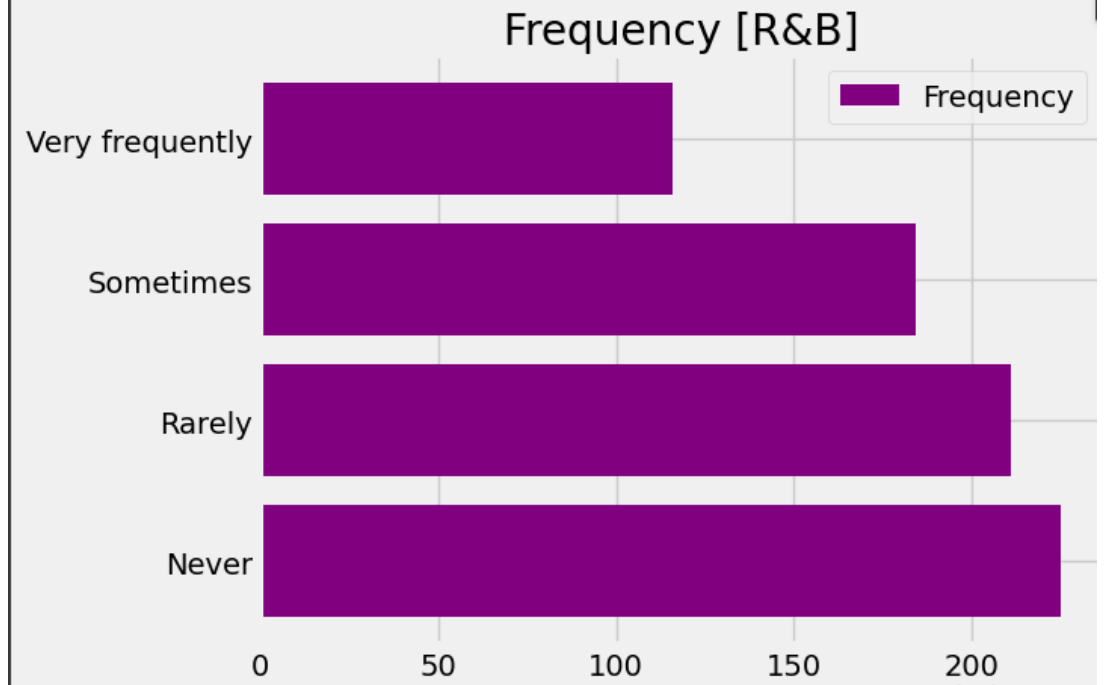
```python
p_languages = ["Never","Rarely","Sometimes","Very frequently"]

year_1 = [225,211,184,116]

plt.x_label=("Kaç kişi")
plt.y_label=("Ne sıklıkla")
plt.title("Frequency [R&B]")

plt.barh(p_languages,year_1,color="purple")

plt.legend(["Frequency"])

plt.show()
```

Rap müziğini hangi sıklıkta kaç kişi dinliyo

Grafik şeklinde gösterimi

```
b=df["Frequency [Rap]"].value_counts()

b

Rarely            215
Never             200
Sometimes         195
Very frequently   126
Name: Frequency [Rap], dtype: int64
```
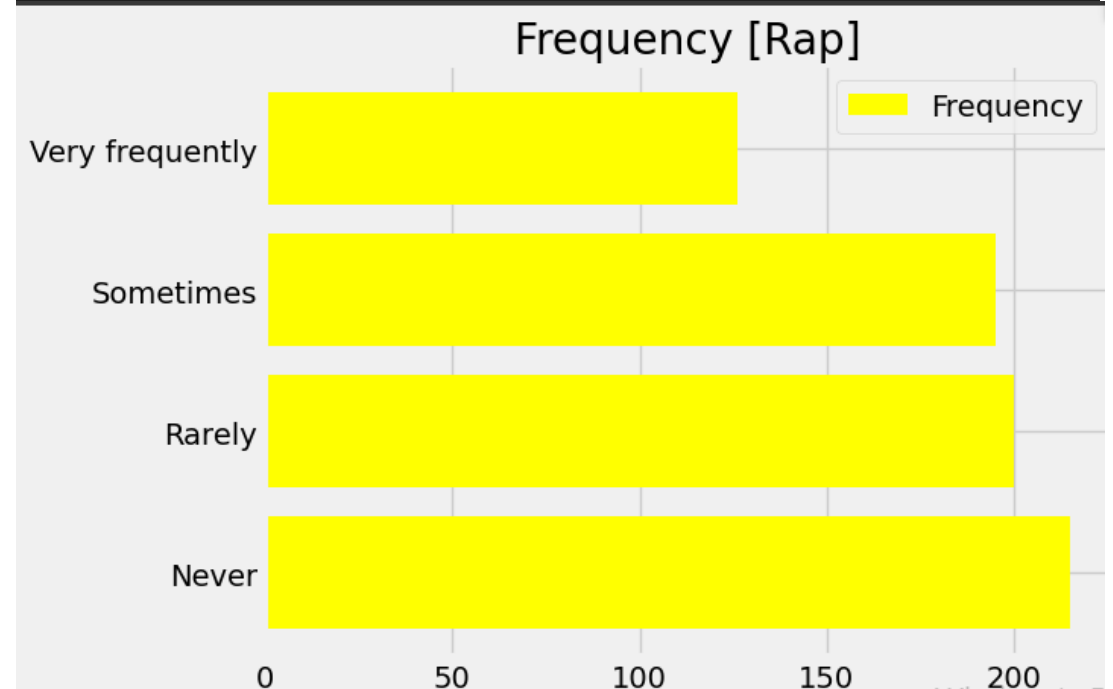
```
p_languages = ["Never","Rarely","Sometimes","Very frequently"]

year_1 = [215,200,195,126]

plt.x_label=("Kaç kişi")
plt.y_label=("Ne sıklıkla")
plt.title("Frequency [Rap]")

plt.barh(p_languages,year_1,color="Yellow")


plt.legend(["Frequency"])

plt.show()
```

Video oyun müziğini hangi sıklıkta kaç kişi dinliyo

```
u=df["Frequency [Video game music]"].value_counts()

u

Never               236
Rarely              197
Sometimes           186
Very frequently     117
Name: Frequency [Video game music], dtype: int64
```


Grafik şeklinde gösterimi

```python
p_languages = ["Never","Rarely","Sometimes","Very frequently"]

year_1 = [236,197,186,117]

plt.x_label=("Kaç kişi")
plt.y_label=("Ne sıklıkla")
plt.title("Frequency [Video game music]")

plt.barh(p_languages,year_1,color="orange")

plt.legend(["Frequency"])

plt.show()
```
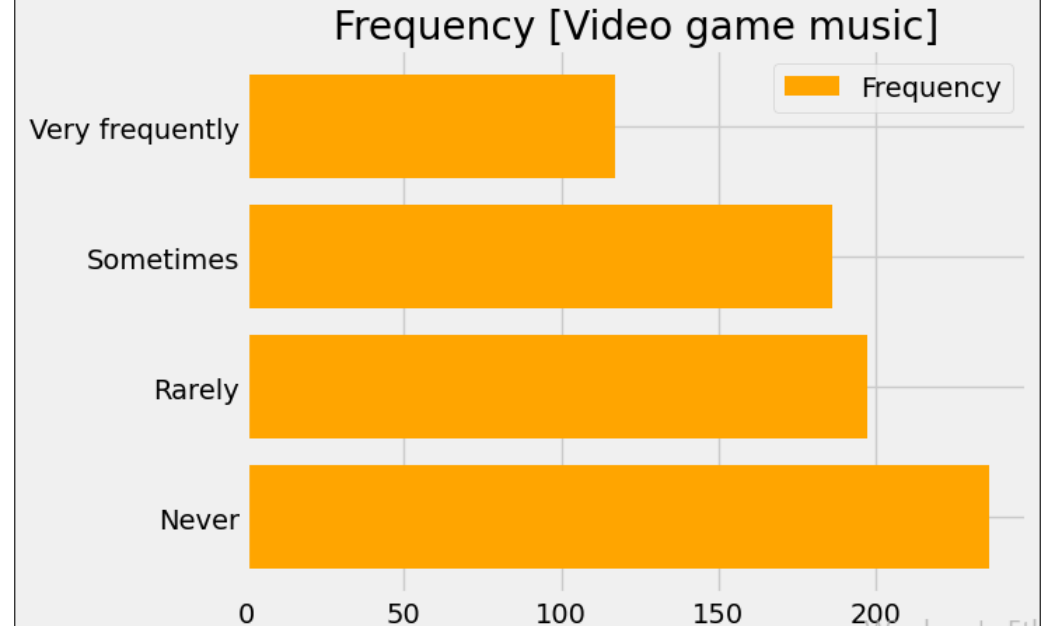
Rock müziğini hangi sıklıkta kaç kişi dinliyo

Grafik şeklinde gösterimi

```
a=df["Frequency [Rock]"].value_counts()

a

Very frequently    330
Sometimes          219
Rarely              96
Never               91
Name: Frequency [Rock], dtype: int64
```

```python
p_languages = ["Never","Rarely","Sometimes","Very frequently"]

year_1 = [330,219,96,91]

plt.x_label=("Kaç kişi")
plt.y_label=("Ne sıklıkla")
plt.title("Frequency [Rock]")

plt.barh(p_languages,year_1,color="Pink")


plt.legend(["Frequency"])

plt.show()
```
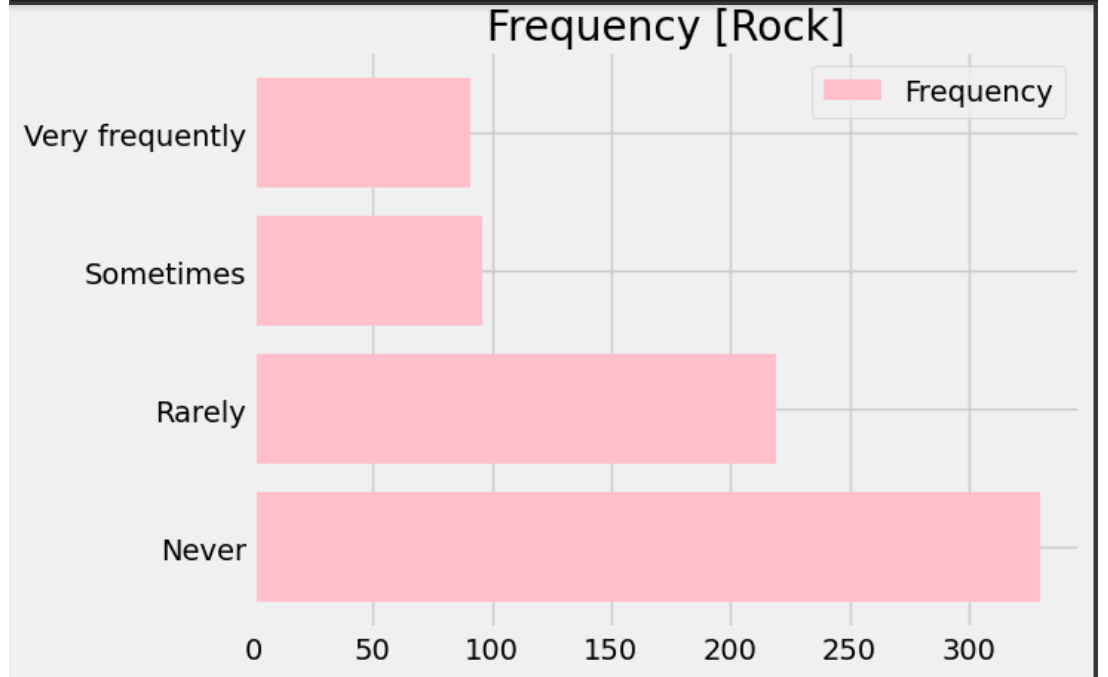
Spotify kullanıp yabancı dil öğrenenler

```
filt=((df["Primary streaming service"] == "Spotify") & (df["Foreign languages"] == "Yes"))
df.loc[filt,["Timestamp","Age","Primary streaming service","Hours per day","Fav genre","Foreign languages","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]"]]
```

	Timestamp	Age	Primary streaming service	Hours per day	Fav genre	Foreign languages	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]
0	8/27/2022 19:29:02	18.0	Spotify	3.0	Latin	Yes	Sometimes	Very frequently	Never	Sometimes
2	8/27/2022 21:28:18	18.0	Spotify	4.0	Video game music	Yes	Never	Rarely	Rarely	Very frequently
5	8/27/2022 21:56:50	18.0	Spotify	5.0	Jazz	Yes	Very frequently	Very frequently	Very frequently	Never
7	8/27/2022 22:18:59	21.0	Spotify	1.0	K pop	Yes	Sometimes	Rarely	Never	Rarely
12	8/27/2022 23:04:00	NaN	Spotify	3.0	Hip hop	Yes	Sometimes	Rarely	Rarely	Never
...	...	...	...	...	...	...	...	...	...	...
723	10/14/2022 20:42:26	16.0	Spotify	6.0	Pop	Yes	Very frequently	Very frequently	Never	Never
724	10/15/2022 14:00:55	19.0	Spotify	6.0	Pop	Yes	Rarely	Rarely	Rarely	Sometimes
730	10/30/2022 13:15:26	21.0	Spotify	2.0	R&B	Yes	Very frequently	Sometimes	Sometimes	Sometimes
731	10/30/2022 14:37:28	17.0	Spotify	2.0	Rock	Yes	Never	Rarely	Very frequently	Never
732	11/1/2022 22:26:42	18.0	Spotify	1.0	Pop	Yes	Never	Never	Sometimes	Sometimes

Yotube music platformu kullanıp favori müzikleri klasik olup çalışabilenler

```
filt=((df["Primary streaming service"]=="YouTube Music")&(df["While working"]=="Yes")&(df["Fav genre"]=="Classical"))
df.loc[filt,["Primary streaming service","While working","Fav genre","Hours per day","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]","Timestamp","Age"]]
```

	Primary streaming service	While working	Fav genre	Hours per day	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]	Timestamp	Age
348	YouTube Music	Yes	Classical	6.0	Never	Never	Never	Rarely	8/29/2022 9:43:35	17.0
384	YouTube Music	Yes	Classical	2.0	Never	Never	Never	Never	8/29/2022 17:58:47	12.0
399	YouTube Music	Yes	Classical	6.0	Never	Never	Rarely	Never	8/29/2022 20:18:37	24.0
408	YouTube Music	Yes	Classical	3.0	Never	Never	Never	Never	8/29/2022 23:36:14	13.0
424	YouTube Music	Yes	Classical	3.0	Sometimes	Rarely	Rarely	Rarely	8/30/2022 16:04:47	20.0
474	YouTube Music	Yes	Classical	1.0	Never	Never	Never	Never	9/1/2022 16:58:12	58.0
514	YouTube Music	Yes	Classical	2.0	Rarely	Never	Rarely	Never	9/2/2022 5:40:14	64.0

Favori Türü Pop olan ingilizce öğrenenler

```
filt=((df["Foreign languages"]=="Yes") & (df["Fav genre"]=="Pop"))
df.loc[filt,["Timestamp","Age","Primary streaming service","Hours per day","Fav genre","Foreign languages","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]"]]
```

	Timestamp	Age	Primary streaming service	Hours per day	Fav genre	Foreign languages	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]
15	8/27/2022 23:19:52	17.0	Spotify	2.0	Pop	Yes	Rarely	Sometimes	Sometimes	Rarely
23	8/28/2022 3:19:08	18.0	Spotify	2.0	Pop	Yes	Never	Never	Never	Rarely
25	8/28/2022 4:38:14	18.0	Spotify	2.0	Pop	Yes	Sometimes	Sometimes	Sometimes	Never
27	8/28/2022 5:05:51	18.0	YouTube Music	6.0	Pop	Yes	Sometimes	Sometimes	Never	Never
28	8/28/2022 5:16:30	17.0	Spotify	2.0	Pop	Yes	Rarely	Never	Sometimes	Sometimes
36	8/28/2022 11:25:49	21.0	Spotify	4.0	Pop	Yes	Never	Rarely	Never	Never
49	8/28/2022 12:32:09	19.0	Spotify	3.0	Pop	Yes	Sometimes	Sometimes	Sometimes	Sometimes
53	8/28/2022 12:53:01	23.0	Spotify	12.0	Pop	Yes	Sometimes	Rarely	Rarely	Never
106	8/28/2022 16:07:51	41.0	Spotify	3.0	Pop	Yes	Very frequently	Sometimes	Very frequently	Never
126	8/28/2022 17:15:27	18.0	Spotify	4.0	Pop	Yes	Rarely	Rarely	Very frequently	Very frequently
132	8/28/2022 17:40:15	32.0	Spotify	7.0	Pop	Yes	Very frequently	Very frequently	Very frequently	Very frequently
137	8/28/2022 18:02:14	18.0	Apple Music	2.0	Pop	Yes	Rarely	Rarely	Rarely	Never
143	8/28/2022 18:17:00	53.0	Spotify	7.0	Pop	Yes	Very frequently	Rarely	Very frequently	Rarely
150	8/28/2022 18:30:21	21.0	Spotify	3.0	Pop	Yes	Very frequently	Very frequently	Sometimes	Sometimes
156	8/28/2022 18:55:44	17.0	Spotify	2.0	Pop	Yes	Very frequently	Sometimes	Never	Sometimes
186	8/28/2022 20:04:49	19.0	Spotify	1.0	Pop	Yes	Sometimes	Sometimes	Very frequently	Never
210	8/28/2022 21:30:33	35.0	Spotify	1.0	Pop	Yes	Rarely	Rarely	Sometimes	Rarely
213	8/28/2022 21:47:26	21.0	Spotify	1.0	Pop	Yes	Sometimes	Rarely	Sometimes	Rarely
222	8/28/2022 22:05:53	25.0	Spotify	7.0	Pop	Yes	Sometimes	Sometimes	Rarely	Sometimes
224	8/28/2022 22:09:11	31.0	YouTube Music	9.0	Pop	Yes	Never	Rarely	Sometimes	Sometimes
225	8/28/2022 22:10:24	17.0	Spotify	2.0	Pop	Yes	Rarely	Sometimes	Sometimes	Never
237	8/28/2022 22:51:01	53.0	I do not use a streaming service.	1.5	Pop	Yes	Rarely	Sometimes	Sometimes	Never
245	8/28/2022 23:23:41	38.0	Spotify	6.0	Pop	Yes	Very frequently	Very frequently	Sometimes	Never
258	8/29/2022 0:05:36	19.0	Spotify	2.0	Pop	Yes	Very frequently	Sometimes	Very frequently	Very frequently
265	8/29/2022 0:47:12	25.0	I do not use a streaming service.	1.0	Pop	Yes	Rarely	Rarely	Very frequently	Very frequently
267	8/29/2022 0:50:03	21.0	Spotify	1.0	Pop	Yes	Sometimes	Very frequently	Sometimes	Very frequently

```
[ ] y=df["Foreign languages"].value_counts()

[ ] y

    Yes    404
    No     328
    Name: Foreign languages, dtype: int64

[ ] slices=[404,328]
    labels=["Yes","No"]
    colors=["yellow","green"]

    explode = [0.1,0]

    plt.pie(slices,labels=labels,wedgeprops={"edgecolor":"black"},colors=colors,explode=explode,shadow=True)

    plt.title("Foreign languages  ")
    plt.tight_layout()
    plt.show()
```
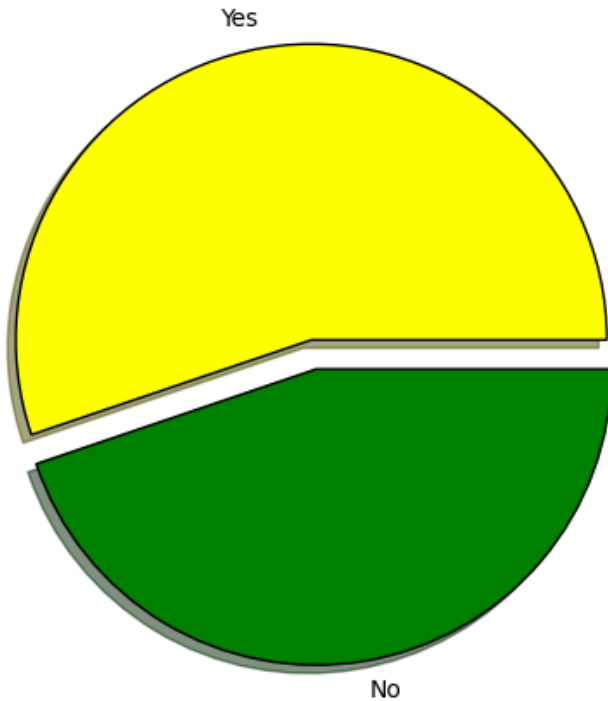
Müzik dinleyerek yabacı dil öğrenen öğrenmeyen kaç kişi olduğu

Charda gösterimi

Foreign languages
Yes / No

Müzik dineleyerek çalışıp çalışamayanların sayısı

```
o=df["While working"].value_counts()

o

Yes     579
No      154
Name: While working, dtype: int64
```

Müzik dinleyip çalışamayanların dinlediği müzikler

```
filt=((df["While working"]=="No"))
df.loc[filt,["Primary streaming service","While working","Hours per day","Fav genre","Foreign languages","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]"]]
```

	Primary streaming service	While working	Hours per day	Fav genre	Foreign languages	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]
2	Spotify	No	4.0	Video game music	Yes	Never	Rarely	Rarely	Very frequently
15	Spotify	No	2.0	Pop	Yes	Rarely	Sometimes	Sometimes	Rarely
19	Spotify	No	3.0	Hip hop	No	Sometimes	Very frequently	Rarely	Never
25	Spotify	No	2.0	Pop	Yes	Sometimes	Sometimes	Sometimes	Never
33	Spotify	No	4.0	Rock	Yes	Rarely	Sometimes	Very frequently	Rarely
...	...	...	...	...	...	...	...	...	...
707	Spotify	No	1.0	Country	No	Never	Never	Sometimes	Rarely
714	Apple Music	No	1.0	Country	No	Rarely	Rarely	Very frequently	Never
716	Spotify	No	1.0	Metal	Yes	Never	Rarely	Very frequently	Rarely
717	Spotify	No	2.0	Rock	Yes	Sometimes	Sometimes	Very frequently	Never
729	I do not use a streaming service.	No	0.5	Pop	No	Sometimes	Sometimes	Very frequently	Never

Müzik keşifsel bakımından yararlımı?

```
e=df["Exploratory"].value_counts()

e

Yes    525
No     211
Name: Exploratory, dtype: int64
```
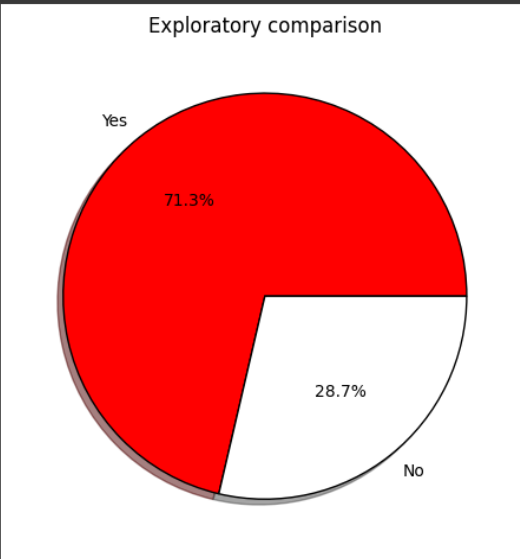
```python
slices=[525,211]
labels=["Yes","No"]
colors=["Red","White"]



plt.pie(slices,labels=labels,wedgeprops={"edgecolor":"black"},colors=colors,shadow=True,autopct='%1.1f%%')

plt.title("Exploratory comparison")
plt.tight_layout()
plt.show()
```

Exploratory comparison

Yes

71.3%

28.7%

No

Şema grafikli gösterimi

Spotify kullanan kişinin keşifsel durmu

```
filt=((df["Primary streaming service"]=="Spotify"))
df.loc[filt,["Age","Hours per day","Primary streaming service","Fav genre","Exploratory"]]
```

	Age	Hours per day	Primary streaming service	Fav genre	Exploratory
0	18.0	3.0	Spotify	Latin	Yes
2	18.0	4.0	Spotify	Video game music	No
4	18.0	4.0	Spotify	R&B	Yes
5	18.0	5.0	Spotify	Jazz	Yes
7	21.0	1.0	Spotify	K pop	Yes
...	...	...	...	...	...
725	13.0	1.0	Spotify	Video game music	Yes
730	21.0	2.0	Spotify	R&B	Yes
731	17.0	2.0	Spotify	Rock	Yes
732	18.0	1.0	Spotify	Pop	Yes
734	19.0	5.0	Spotify	Classical	No

458 rows × 5 columns

Hiçbir platform kullanmayan kişinin keşifsel durumu

```
filt=((df["Primary streaming service"]=="I do not use a streaming service."))
df.loc[filt,["Age","Hours per day","Primary streaming service","Fav genre","Exploratory"]]
```

	Age	Hours per day	Primary streaming service	Fav genre	Exploratory
9	18.0	1.0	I do not use a streaming service.	R&B	Yes
22	19.0	5.0	I do not use a streaming service.	R&B	Yes
45	17.0	1.0	I do not use a streaming service.	Folk	No
57	42.0	0.0	I do not use a streaming service.	Rock	No
59	23.0	1.0	I do not use a streaming service.	Video game music	No
...	...	...	...	...	...
657	28.0	1.0	I do not use a streaming service.	Rock	No
686	18.0	1.0	I do not use a streaming service.	Classical	No
687	18.0	1.0	I do not use a streaming service.	Classical	No
712	23.0	3.0	I do not use a streaming service.	Rock	No
729	21.0	0.5	I do not use a streaming service.	Pop	Yes

71 rows × 5 columns

VS

Spotify dinleyip 17 yaşında ve 17 yaşından büyük birinin depresyon,Aksiyete,uyku bozukluğu durumu

```
filt=((df["Primary streaming service"]=="Spotify")&(df["Age"]>=17.0))
df.loc[filt,["Timestamp","Primary streaming service","Age","Hours per day","Fav genre","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]","Anxiety","Depression","Insomnia"  ]]
```

	Timestamp	Primary streaming service	Age	Hours per day	Fav genre	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]	Anxiety	Depression	Insomnia
0	8/27/2022 19:29:02	Spotify	18.0	3.0	Latin	Sometimes	Very frequently	Never	Sometimes	3.0	0.0	1.0
2	8/27/2022 21:28:18	Spotify	18.0	4.0	Video game music	Never	Rarely	Rarely	Very frequently	7.0	7.0	10.0
4	8/27/2022 21:54:47	Spotify	18.0	4.0	R&B	Very frequently	Very frequently	Never	Rarely	7.0	2.0	5.0
5	8/27/2022 21:56:50	Spotify	18.0	5.0	Jazz	Very frequently	Very frequently	Very frequently	Never	8.0	8.0	7.0
7	8/27/2022 22:18:59	Spotify	21.0	1.0	K pop	Sometimes	Rarely	Never	Rarely	5.0	3.0	5.0
...	...	...	...	...	...	...	...	...	...	...	...	...
724	10/15/2022 14:00:55	Spotify	19.0	6.0	Pop	Rarely	Rarely	Rarely	Sometimes	6.0	6.0	8.0
730	10/30/2022 13:15:26	Spotify	21.0	2.0	R&B	Very frequently	Sometimes	Sometimes	Sometimes	7.0	6.0	4.0
731	10/30/2022 14:37:28	Spotify	17.0	2.0	Rock	Never	Rarely	Very frequently	Never	7.0	6.0	0.0
732	11/1/2022 22:26:42	Spotify	18.0	1.0	Pop	Never	Never	Sometimes	Sometimes	3.0	2.0	2.0
734	11/4/2022 17:31:47	Spotify	19.0	5.0	Classical	Never	Never	Never	Sometimes	2.0	3.0	2.0

Spotify dinleyip 17 yaşında ve 17 yaşından büyük birnin uyku bozukluğu 7'den fazla olursa Ansiyete,depresyon durumu ne kadar fazla olduğunun gösterimi

```python
filt=((df["Primary streaming service"]=="Spotify")&(df["Age"]>=17.0)&(df["Insomnia"]>=7.0))
df.loc[filt,["Timestamp","Primary streaming service","Age","Hours per day","Fav genre","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]","Anxiety","Depression","Insomnia"  ]]
```

	Timestamp	Primary streaming service	Age	Hours per day	Fav genre	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]	Anxiety	Depression	Insomnia
2	8/27/2022 21:28:18	Spotify	18.0	4.0	Video game music	Never	Rarely	Rarely	Very frequently	7.0	7.0	10.0
5	8/27/2022 21:56:50	Spotify	18.0	5.0	Jazz	Very frequently	Very frequently	Very frequently	Never	8.0	8.0	7.0
14	8/27/2022 23:16:06	Spotify	18.0	4.0	Jazz	Never	Never	Sometimes	Rarely	6.0	4.0	7.0
23	8/28/2022 3:19:08	Spotify	18.0	2.0	Pop	Never	Never	Never	Rarely	3.0	3.0	8.0
39	8/28/2022 11:39:21	Spotify	20.0	4.0	EDM	Very frequently	Sometimes	Very frequently	Rarely	7.0	2.0	8.0
...	...		...	...	...	...	...	...	...	...	...	...
692	9/27/2022 8:17:33	Spotify	23.0	4.0	Video game music	Sometimes	Sometimes	Sometimes	Very frequently	10.0	8.0	10.0
711	10/4/2022 8:12:33	Spotify	19.0	5.0	Metal	Never	Rarely	Very frequently	Sometimes	8.0	6.0	7.0
717	10/5/2022 12:30:23	Spotify	23.0	2.0	Rock	Sometimes	Sometimes	Very frequently	Never	5.0	7.0	10.0
718	10/6/2022 3:35:11	Spotify	17.0	1.0	Metal	Never	Never	Very frequently	Very frequently	8.0	3.0	9.0
724	10/15/2022 14:00:55	Spotify	19.0	6.0	Pop	Rarely	Rarely	Rarely	Sometimes	6.0	6.0	8.0

86 rows × 12 columns

Spotify dinleyip 17 yaşında ve 17 yaşından büyük birnin Anksiyetesi 7'den fazla olursa Uyku bozukluğu,depresyon durumu ne kadar fazla olduğunun gösterimi

```
filt=((df["Primary streaming service"]=="Spotify")&(df["Age"]>=17.0)&(df["Anxiety"]>=7.0))
df.loc[filt,["Timestamp","Primary streaming service","Age","Hours per day","Fav genre","Frequency [R&B]","Frequency [Rap]","Frequency [Rock]","Frequency [Video game music]","Anxiety","Depression","Insomnia"  ]]
```

	Timestamp	Primary streaming service	Age	Hours per day	Fav genre	Frequency [R&B]	Frequency [Rap]	Frequency [Rock]	Frequency [Video game music]	Anxiety	Depression	Insomnia
2	8/27/2022 21:28:18	Spotify	18.0	4.0	Video game music	Never	Rarely	Rarely	Very frequently	7.0	7.0	10.0
4	8/27/2022 21:54:47	Spotify	18.0	4.0	R&B	Very frequently	Very frequently	Never	Rarely	7.0	2.0	5.0
5	8/27/2022 21:56:50	Spotify	18.0	5.0	Jazz	Very frequently	Very frequently	Very frequently	Never	8.0	8.0	7.0
10	8/27/2022 22:51:15	Spotify	18.0	3.0	Country	Rarely	Never	Rarely	Never	7.0	7.0	4.0
15	8/27/2022 23:19:52	Spotify	17.0	2.0	Pop	Rarely	Sometimes	Sometimes	Rarely	7.0	5.0	4.0
...	...	...	...	...	...	...	...	...	...	...	...	...
720	10/9/2022 22:15:59	Spotify	17.0	5.0	Hip hop	Very frequently	Very frequently	Rarely	Rarely	7.0	7.0	5.0
721	10/11/2022 15:46:46	Spotify	19.0	5.0	Pop	Rarely	Rarely	Sometimes	Rarely	10.0	8.0	1.0
722	10/14/2022 18:01:12	Spotify	19.0	4.0	Pop	Sometimes	Sometimes	Sometimes	Sometimes	8.0	6.0	2.0
730	10/30/2022 13:15:26	Spotify	21.0	2.0	R&B	Very frequently	Sometimes	Sometimes	Sometimes	7.0	6.0	4.0
731	10/30/2022 14:37:28	Spotify	17.0	2.0	Rock	Never	Rarely	Very frequently	Never	7.0	6.0	0.0

195 rows × 12 columns
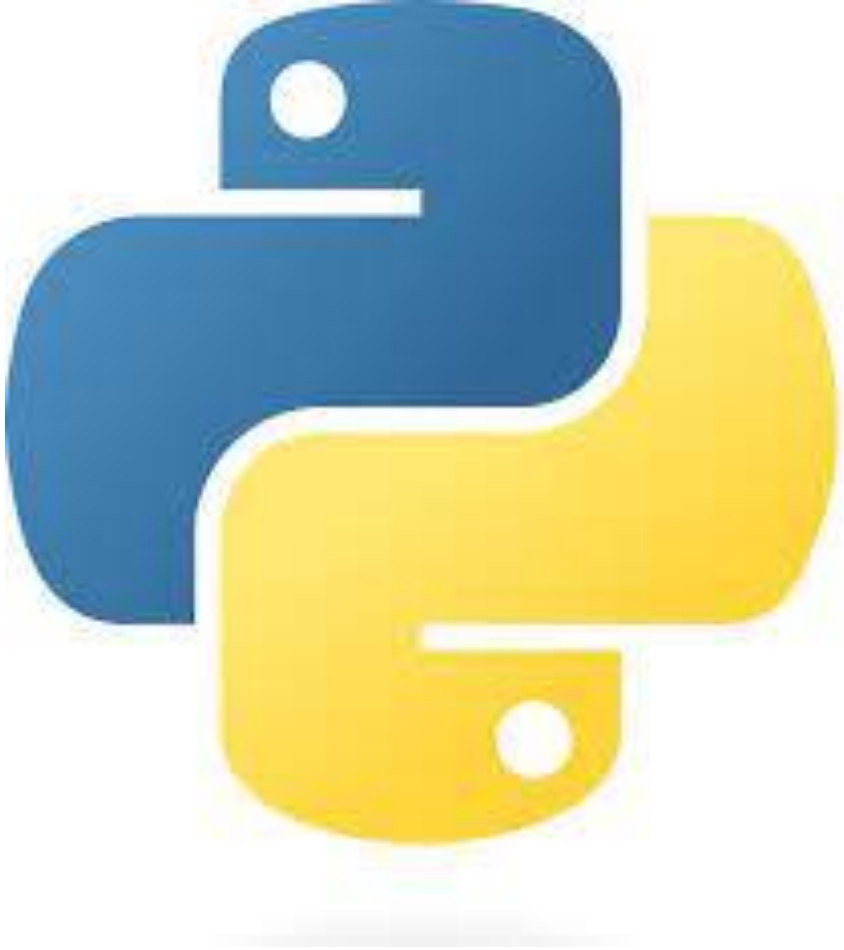
Teşekkürler

Ad:Azra

SoyAd:Paşali

Bölüm:Python ve Makine Dili