

CS210 PROJECT

Mustafa Mert Yıldızbaş

29451

After “Wrapped” is published in Spotify, we were shocked with my sister. All top bands of mine were Metal bands but the top genre was Turkish Rock. That’s why I decided to examine my data and see what is going on. I also want to see my routine in more detail.

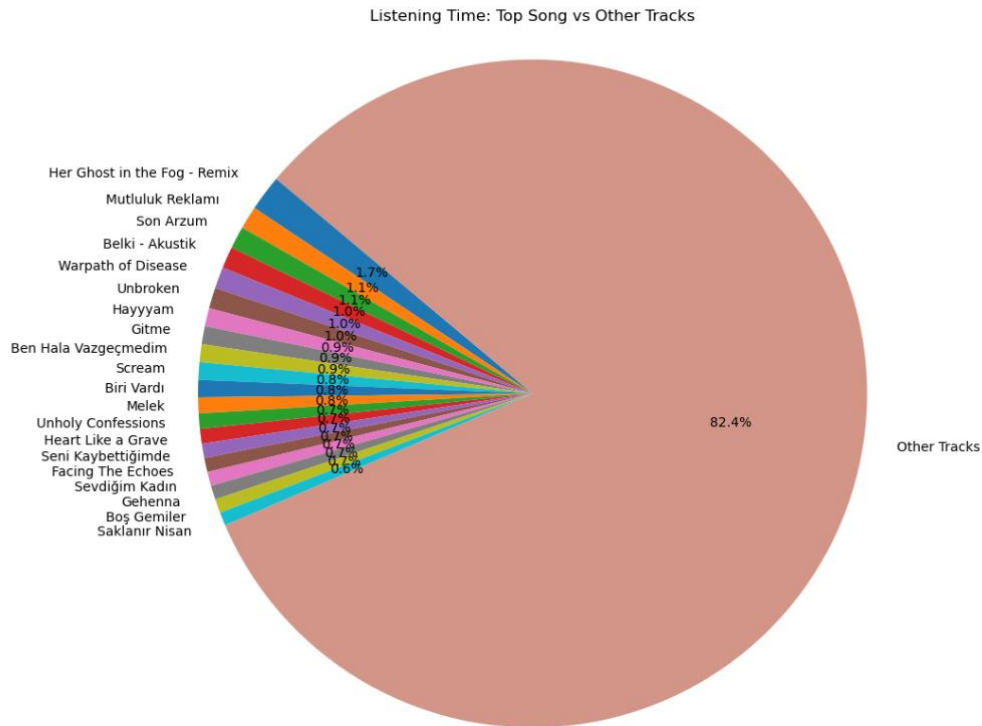
I got my Spotify data in 1 week. It is stored in JSON format. I will give one example for 1 song I listen:

```
{
  "endTime" : "2023-02-04 22:09",
  "artistName" : "Son Feci Bisiklet",
  "trackName" : "Modern Zamanlar",
  "msPlayed" : 282125
},
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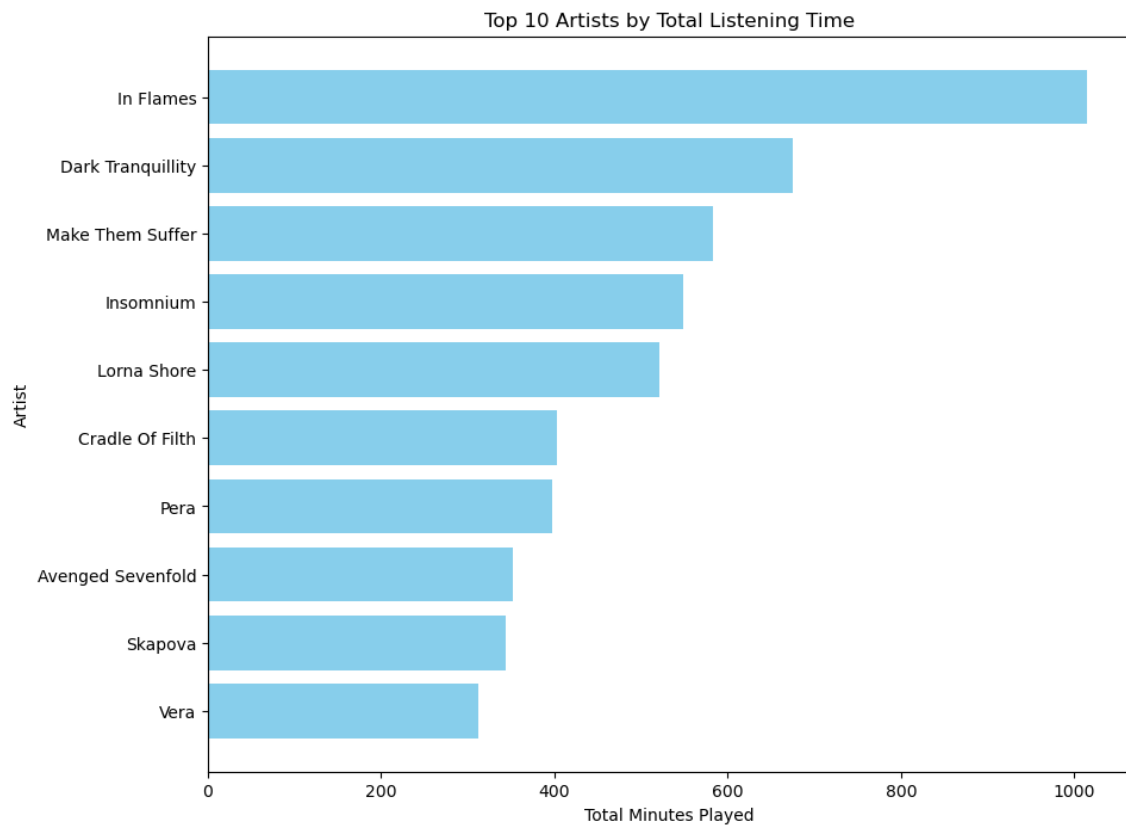
The time is kept in milliseconds in it.

Firstly, I wanted to see the most 20 listened songs of mine.

| | Track Name | Minutes Played |
|----|------------------------------|----------------|
| 0 | Her Ghost in the Fog - Remix | 308.803717 |
| 1 | Mutluluk Reklamı | 196.602433 |
| 2 | Son Arzum | 191.633433 |
| 3 | Belki - Akustik | 185.995517 |
| 4 | Warpath of Disease | 184.254350 |
| 5 | Unbroken | 178.537033 |
| 6 | Hayyyam | 156.328467 |
| 7 | Gitme | 155.704050 |
| 8 | Ben Hala Vazgeçmedim | 153.528733 |
| 9 | Scream | 151.034300 |
| 10 | Biri Vardı | 148.380017 |
| 11 | Melek | 137.211000 |
| 12 | Unholy Confessions | 131.359083 |
| 13 | Heart Like a Grave | 127.401683 |
| 14 | Seni Kaybettiğimde | 122.504483 |
| 15 | Facing The Echoes | 121.934583 |
| 16 | Sevdiğim Kadın | 121.303083 |
| 17 | Gehenna | 120.090467 |
| 18 | Boş Gemiler | 119.664633 |
| 19 | Saklanır Nisan | 115.342667 |

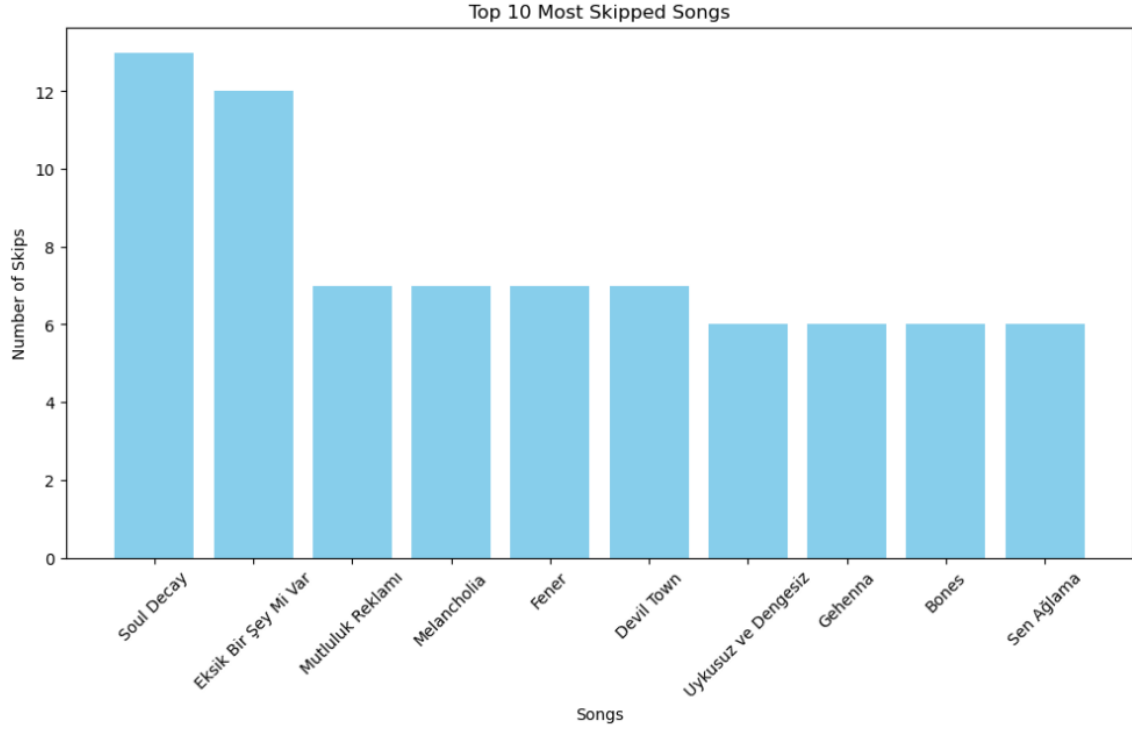


Secondly, I listed my favourite 10 artists of 2023.



It looks like favourite bands are mostly metal i listened many songs with less time. However, when I listen Turkish artist, I listen less songs but repeat again and again. I did not really expect too many Turkish songs before i extend the list to 20.

Next, I wanted to find the most skipped songs. “Mutluluk Reklamı” was one of my favourite songs in 2023 but it is skipped many times. It was a big question mark for me and i wanted to find my daily routine.

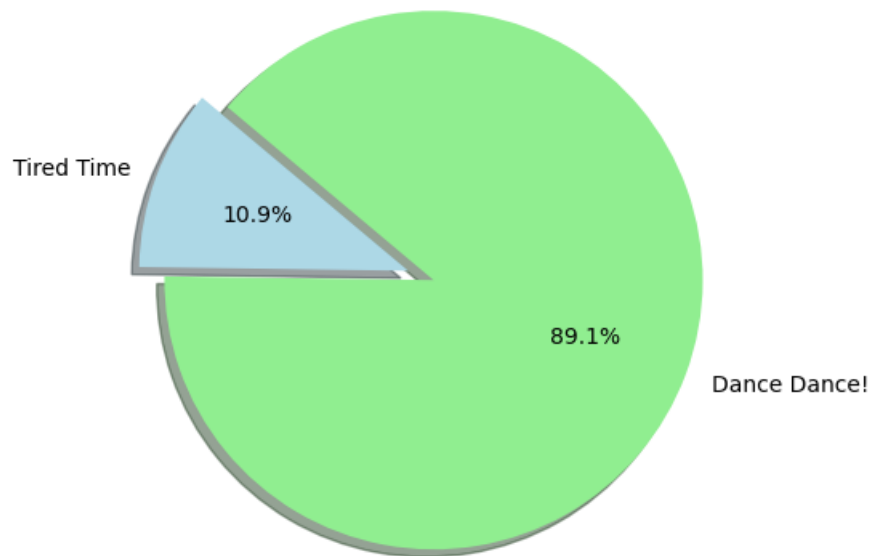


I marked the songs as “skipped” if I listened less than 30 seconds in anytime. I eliminated the skipped songs from my favourite songs in 2023. That changed the list drastically.

| | Track Name | Minutes Played |
|---|------------------------------|----------------|
| 0 | Son Arzum | 191.63 |
| 1 | Remenissions | 74.61 |
| 2 | Flesh and the Power It Holds | 73.37 |
| 3 | Tek Yön Seçtiğin Tüm Yollar | 69.05 |
| 4 | Cold as Perfection | 63.07 |

It seems that i sometimes skip and prefer other songs. It may be because of my daily routine. I am generally tired from 21.00 to 07.00. My tirednessmay not be enough to handle some songs/artists. I can detect the songs I can listen in both mood of mine. I find the ratio of (“songs I listened when I was tired” / “all songs I listened in year”). I can make playlists by using this ratio. I can give priority and weight by using my mood, daily routine.

Distribution of Songs Played: Tired Time vs Relaxed Time



Finally, I think the data of Spotify in “Wrapped” is correct. However, there is not enough information in it to analyse ourselves. It may cause confusion like me and my sister. She thinks her Wrapped is wrong too so I will use her data too to make her convinced. Let’s see if I can be successfull.