

Methodology

To analyze my Spotify streaming data, I used Python within a Jupyter Notebook environment, using the Spotify API to extract my listening history. The data retrieval process involved authenticating with the API using the `Spotify` library, which allowed access to detailed playback data, including track names, artists, timestamps, and total play duration. Once the data was collected, I imported it into a Pandas DataFrame for cleaning and processing. This included converting timestamps into readable formats, aggregating total playtime per track, and filtering out short duration plays to ensure that only intentional listening sessions were considered.

For visualization, I used Matplotlib and Seaborn to generate a horizontal bar chart displaying my top 10 most played songs, measured by total minutes streamed. The data was further analyzed to identify recurring artists, genre preferences, and potential listening trends. By structuring the analysis in this manner, I was able to gain meaningful insights into my streaming habits. Future improvements could include incorporating sentiment analysis of lyrics, exploring seasonal listening patterns, and examining correlations between mood and music choices to further understand my musical preferences.



INSIGHTS: This chart provides an interesting snapshot of my top 10 most streamed tracks, highlighting my music preferences over time. The track "Drug of Choice" by Onefreq stands out as the most-streamed song, with nearly 6 million minutes played, suggesting that it has been a significant favorite. André 3000's influence is also evident, as multiple tracks from his recent works dominate the list, including the complexly titled "Dreams Once Buried Beneath The Dungeon Floor Slowly Sprout Into Undying Gardens" and "The Slang Word P(*jssy Rolls Off The Tongue With Far Better Ease Than The Proper Word Vagina. Do You Agree?" This indicates a strong appreciation for his unique, experimental style, which seems to resonate with me. Collaborative tracks, like "ICU" by Coco Jones featuring Justin Timberlake, show my interest in cross-genre collaborations, while SZA's "Love Language" rounds out the list, reflecting my affinity for R&B. The diversity in the tracks, from avant-garde to mainstream, showcases my eclectic taste in music, spanning a range of genres and styles. This chart not only highlights the artists and songs I've consistently enjoyed but also gives a deeper insight into the evolving preferences that influence my listening habits.