**Topic Proposal**

***Beats and Bytes: A Statistical Symphony of Spotify's best tracks***

This project delves into the top-ranking songs on Spotify, exploring the intricate dynamics behind global and regional music trends. Using data on track features like danceability, energy, tempo, and popularity, we uncover what makes a song a chart-topper. By examining patterns in explicit content, album releases, and listener preferences across countries, this exploratory analysis offers valuable insights into the evolving world of music streaming.

***SMART Questions***:

1. What factors (e.g., danceability, energy, tempo, valence, and loudness) contribute most to a song's popularity over time? – Regression problem.

2. How do musical preferences (song attributes, genres or artists) vary across countries and regions?

3. Can musical attributes/explicitness determine if a song is popular globally in the last decade? - classification problem.

4. What temporal patterns exist in the rise and fall of song popularity?

***Source of the dataset*** : Kaggle

***GitHub repo*** : Team5