**Amela “Music to your ears” Speaking notes**

**Intro: Group 7 chose to name the presentation Music to your ears.**

* Introduce group members: Our group members are Harish, Megan, Michael, Doug, Amela
* Selected topic- The topic that we selected is Spotify.
* Reason why we selected the topic- We selected the topic as we were interested in what factors are consistent within songs that are popular or not popular. Additionally, we thought the visualizations for this topic would be interesting.
* Description of their source of data: We utilized a dataset from Kaggle, the Spotify dataset consists of 40,000 rows of data.  The range of data is songs from 1960s to 2010.

Predictions?

**Introduction Slide:**

✓ Questions they hope to answer with the data

* What components within the dataset determine popularity of a song? Example: acousticness, instrumentalness, tempo, energy etc…
* How can we use these components to predict future song popularity? Or can they be used to predict popular songs?
* What factors have no contribution?  Factors that had no impact on popular or unpopular songs

✓ What are the components within the dataset and meanings?

* Instrumentalness: This component predicts whether or not there are vocals in the track. Ooh and Aah are considered instrumental and not as vocals. The closer the instrumentalness value is to 1.0, the greater likelihood the track contains no vocal content.
* Danceability: measured whether a track is suitable for dancing, consists of rhythm stability, strength of beat, and tempo. Measured by 0 as least danceable and 1 as most danceable.
* Loudness: Measured in decibels, this value includes strength of sound.
* Liveliness: Detects the presence of an audience in the recording. Represents the recorded or live performance.
* Valence: Describes the positivity of song. Higher value shows happy or cheerful song vs sad or angry for lower values.
* Duration: Length of song
* Speech: Represents the spoken words within the song.

There are additional components of the dataset also such as energy, key, mode, tempo, etc that had less effect on the popularity of the songs.