Week 8 Data Story Submission

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Questions

What is the topic that you have finalized? (Answer in 1 or 2 sentences)

The topic that I have finalized is about the correlation between the popularity of Spotify songs and the elements of the music.

What are the data sources that you have curated so far? (Answer 1 or 2 sentences).

The data source I have obtained is for free, and originates from the following link: https://www.kaggle.com/datasets/sujaykapadnis/spotify-songs

The data set contains information on the track popularity, danceability of the music, energy of the music and liveliness of the music.

```
# Data set
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.0     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.0
## v purrr     1.0.2
## -- Conflicts ------------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
Spotify <- read.csv("spotify_songs.csv")

# First 5 rows of the data set
head(Spotify, 5)
```

```
##              track_id                                        track_name
## 1 6f807x0ima9a1j3VPbc7VN I Don't Care (with Justin Bieber) - Loud Luxury Remix
## 2 0r7CVbZTWZgbTCYdfa2P31                      Memories - Dillon Francis Remix
## 3 1z1Hg7Vb0AhHDiEmnDE79l                     All the Time - Don Diablo Remix
## 4 75FpbthrwQmzHlBJLuGdC7                     Call You Mine - Keanu Silva Remix
## 5 1e8PAfcKUYoKkxPhrHqw4x               Someone You Loved - Future Humans Remix
```

```
##        track_artist track_popularity          track_album_id
## 1       Ed Sheeran               66 2oCs0DGTsRO98Gh5ZSl2Cx
## 2        Maroon 5               67 63rPSO264uRjW1X5E6cWv6
## 3     Zara Larsson               70 1HoSmj2eLcsrROvE9gThr4
## 4 The Chainsmokers               60 1nqYsOef1yKKuGOVchbsk6
## 5   Lewis Capaldi               69 7m7vv9wlQ4i0LFuJiE2zsQ
##                                      track_album_name
## 1 I Don't Care (with Justin Bieber) [Loud Luxury Remix]
## 2                     Memories (Dillon Francis Remix)
## 3                     All the Time (Don Diablo Remix)
## 4                         Call You Mine - The Remixes
## 5             Someone You Loved (Future Humans Remix)
##   track_album_release_date playlist_name          playlist_id playlist_genre
## 1               2019-06-14    Pop Remix 37i9dQZF1DXcZDD7cfEKhW            pop
## 2               2019-12-13    Pop Remix 37i9dQZF1DXcZDD7cfEKhW            pop
## 3               2019-07-05    Pop Remix 37i9dQZF1DXcZDD7cfEKhW            pop
## 4               2019-07-19    Pop Remix 37i9dQZF1DXcZDD7cfEKhW            pop
## 5               2019-03-05    Pop Remix 37i9dQZF1DXcZDD7cfEKhW            pop
##   playlist_subgenre danceability energy key loudness mode speechiness
## 1         dance pop        0.748  0.916   6   -2.634    1      0.0583
## 2         dance pop        0.726  0.815  11   -4.969    1      0.0373
## 3         dance pop        0.675  0.931   1   -3.432    0      0.0742
## 4         dance pop        0.718  0.930   7   -3.778    1      0.1020
## 5         dance pop        0.650  0.833   1   -4.672    1      0.0359
##   acousticness instrumentalness liveness valence   tempo duration_ms
## 1       0.1020         0.00e+00   0.0653   0.518 122.036      194754
## 2       0.0724         4.21e-03   0.3570   0.693  99.972      162600
## 3       0.0794         2.33e-05   0.1100   0.613 124.008      176616
## 4       0.0287         9.43e-06   0.2040   0.277 121.956      169093
## 5       0.0803         0.00e+00   0.0833   0.725 123.976      189052
```