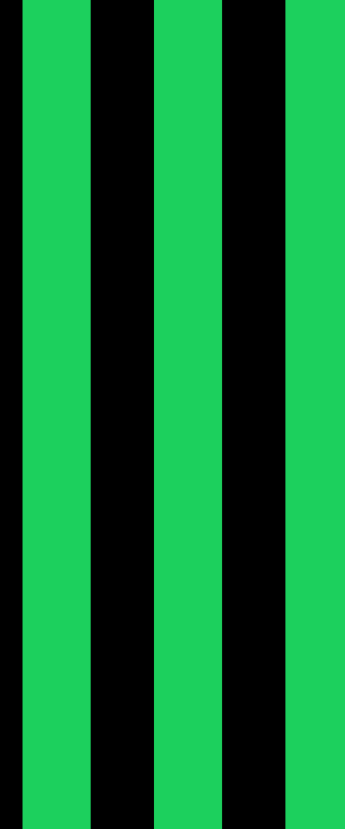




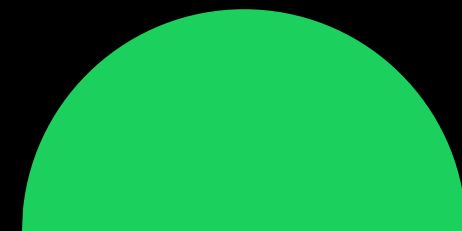
Spotify®

Analytics



Group One:

Jimmy Cowden, Hayden Jackson, Dianna Rivera
Chase Scarboro, Alysa Schoenfelder



Introduction to Dataset



1,000,000 Songs

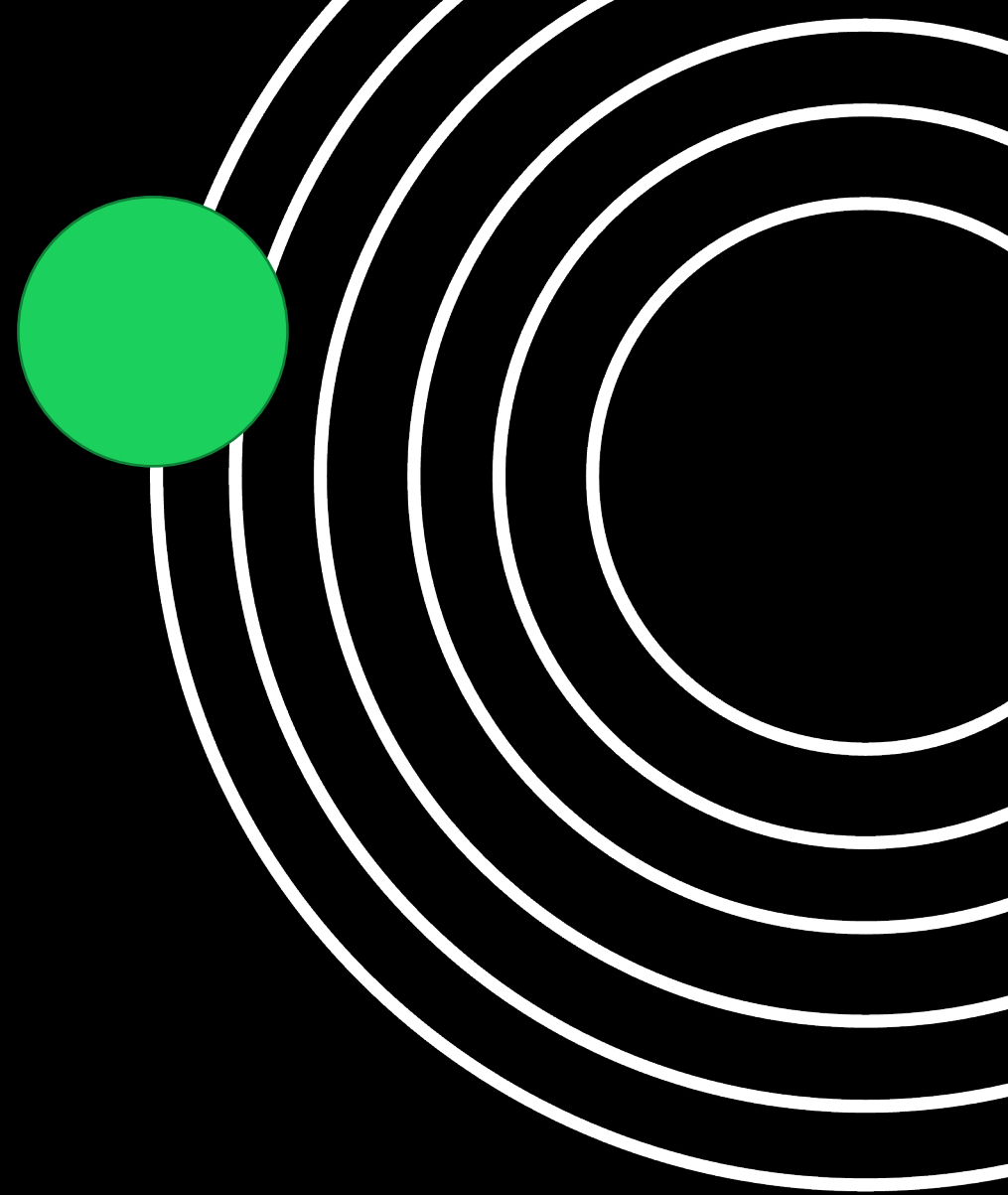
19 Attributes

2000 - 2010



Popularity Score Index:

- 0-100
- Most impacted by recent stream count
 - Save Rate
 - Skip Rate
 - Share Rate
 - No. of Playlists



Cleaned Data

	artist_name	track_name	popularity	year	genre	danceability	energy	loudness	speechiness	acousticness	instrumentalness	tempo	length
0	Jason Mraz	I Won't Give Up	68	2012	acoustic	0.483	0.303	-10.058	0.0429	0.6940	0.000000	133.406	4.002767
1	Jason Mraz	93 Million Miles	50	2012	acoustic	0.572	0.454	-10.286	0.0258	0.4770	0.000014	140.182	3.606450
2	Joshua Hyslop	Do Not Let Me Go	57	2012	acoustic	0.409	0.234	-13.711	0.0323	0.3380	0.000050	139.832	2.649333
3	Boyce Avenue	Fast Car	58	2012	acoustic	0.392	0.251	-9.845	0.0363	0.8070	0.000000	204.961	5.071550
4	Andrew Belle	Sky's Still Blue	54	2012	acoustic	0.430	0.791	-5.419	0.0302	0.0726	0.019300	171.864	4.072000
...
1159759	Nicola Conte	Black Spirits	4	2011	trip-hop	0.373	0.742	-6.453	0.0736	0.3250	0.000141	107.951	5.733550

Questions

one

What is the
relationship with
genre and popularity?

two

What is the
relationship between
average popularity
and release date?

Do any attributes
effect a songs
popularity?

three

Do specific attributes
affect a songs
popularity score?

Question One:

What is the relationship between genre and popularity?

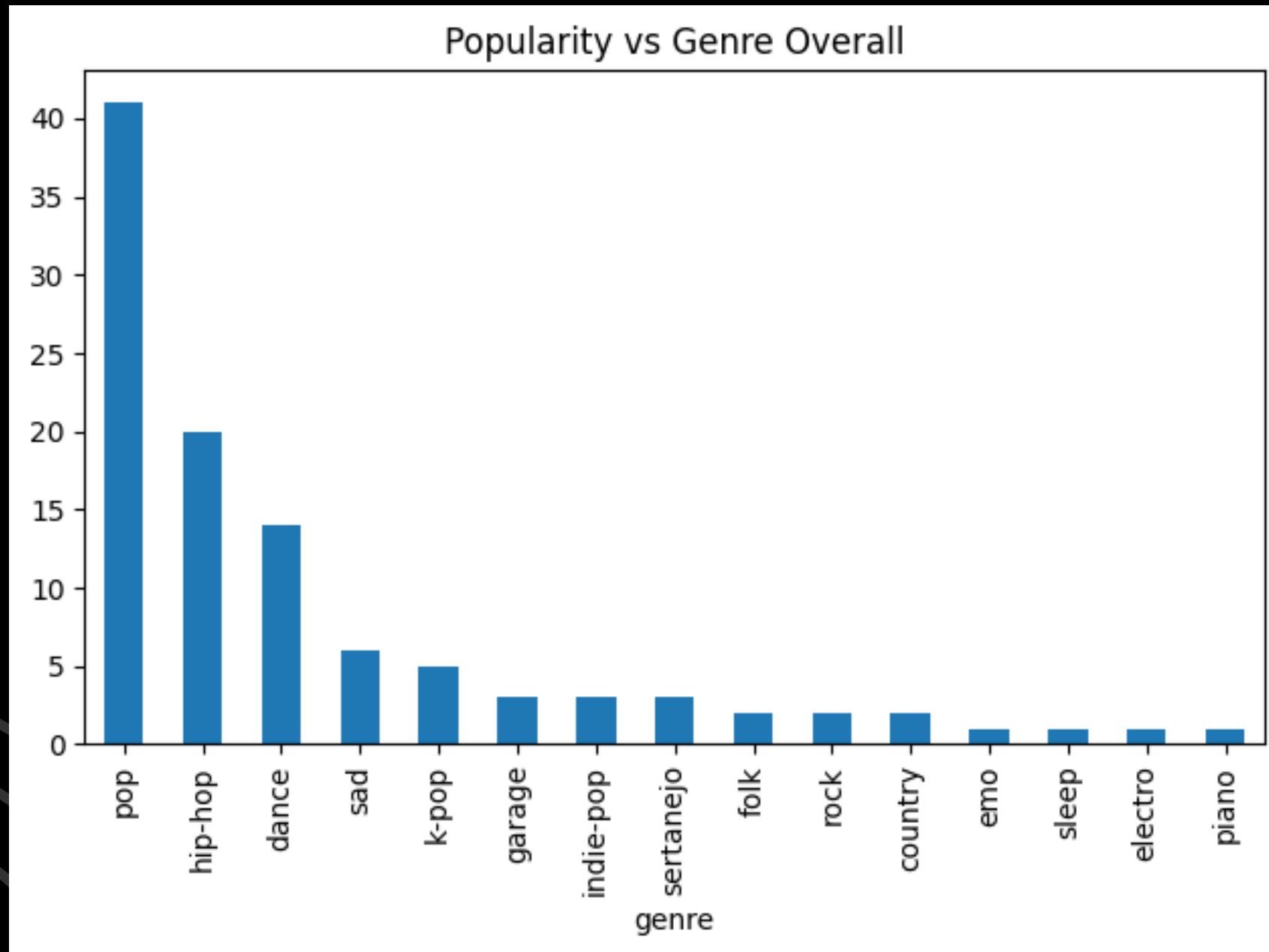


What are the most popular genres?

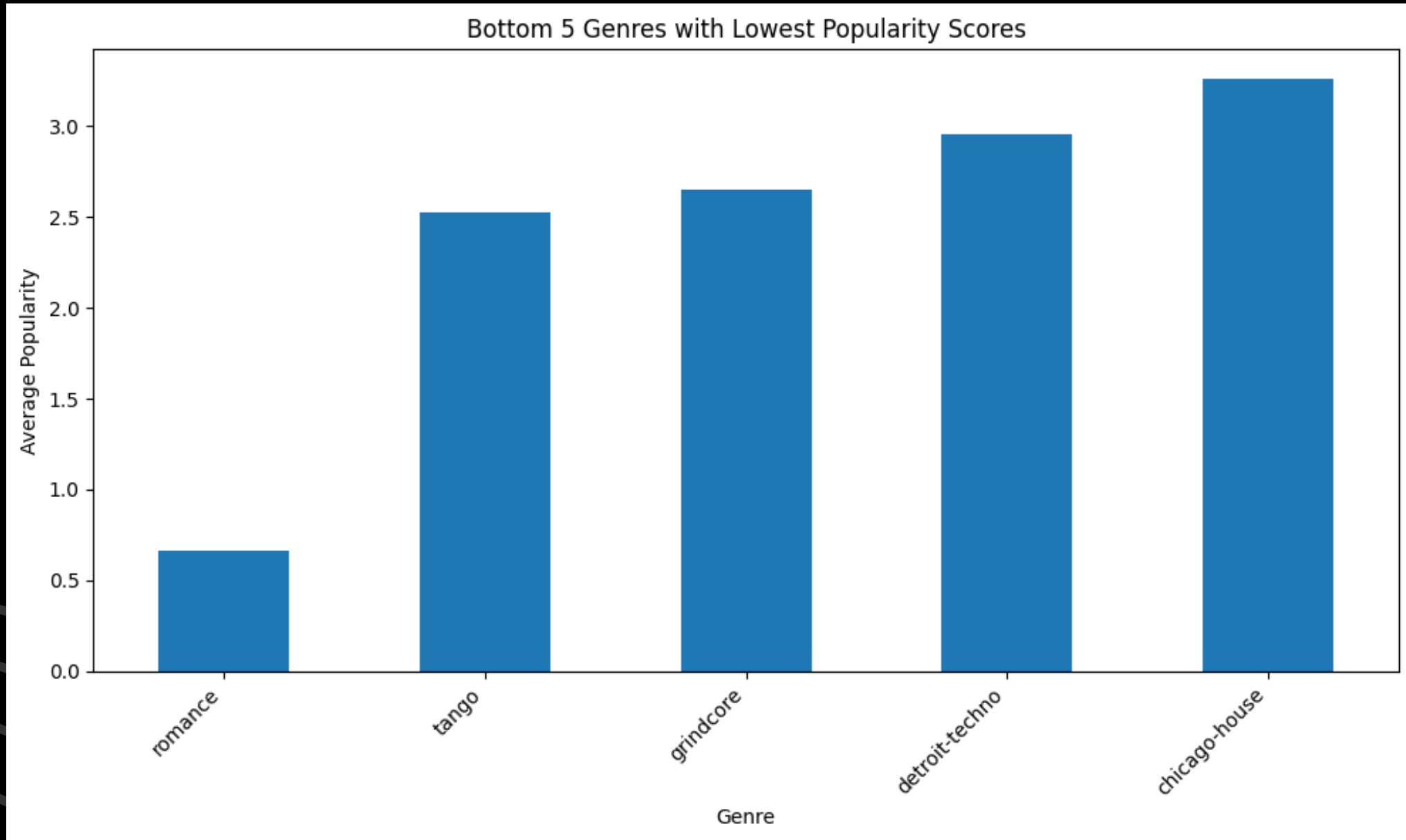


What are the least popular genres?

Q1.



Q1.



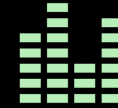
Question Two:



What is the average popularity score relative to a songs release date?

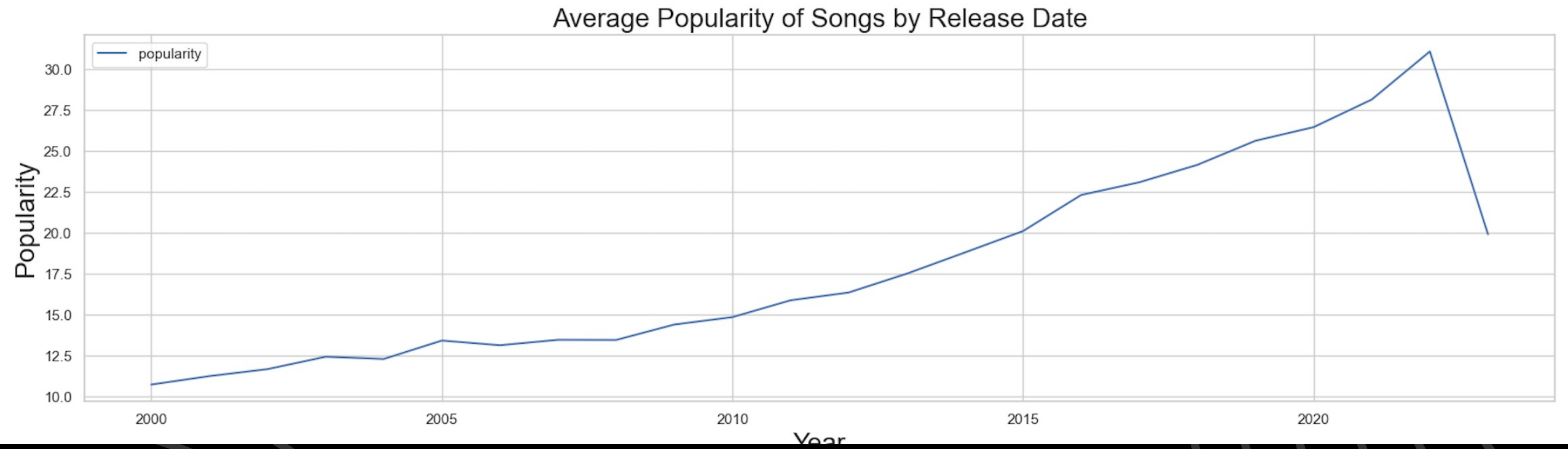


What is the average popularity score for songs with a score of 85 or above relative to its release date ?

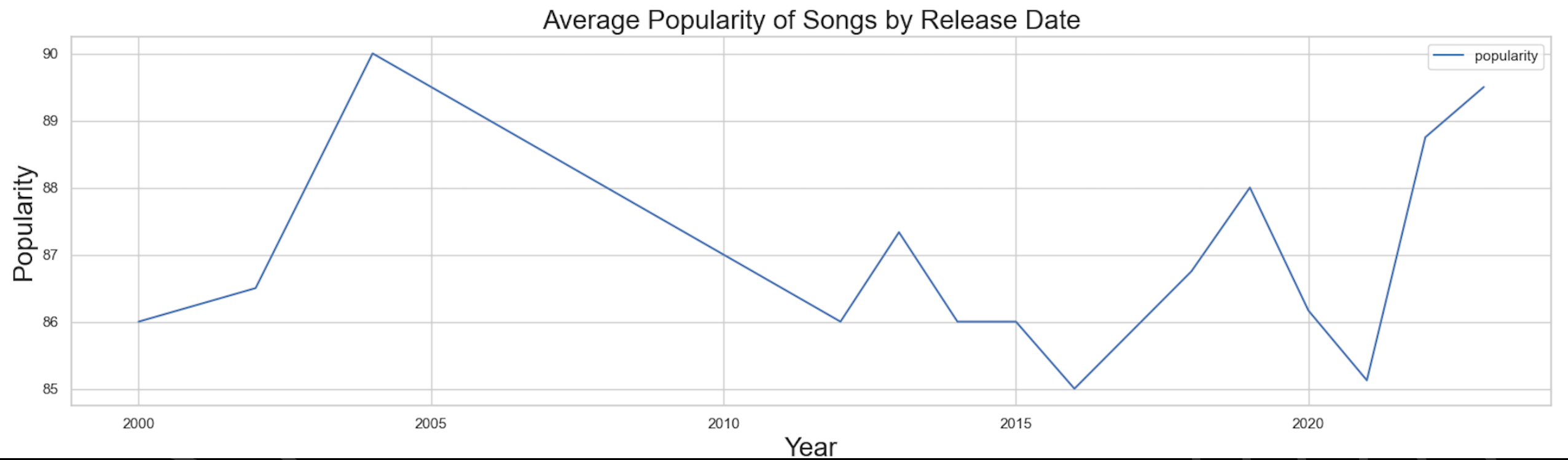


Exploring the average music attribute score per respective year

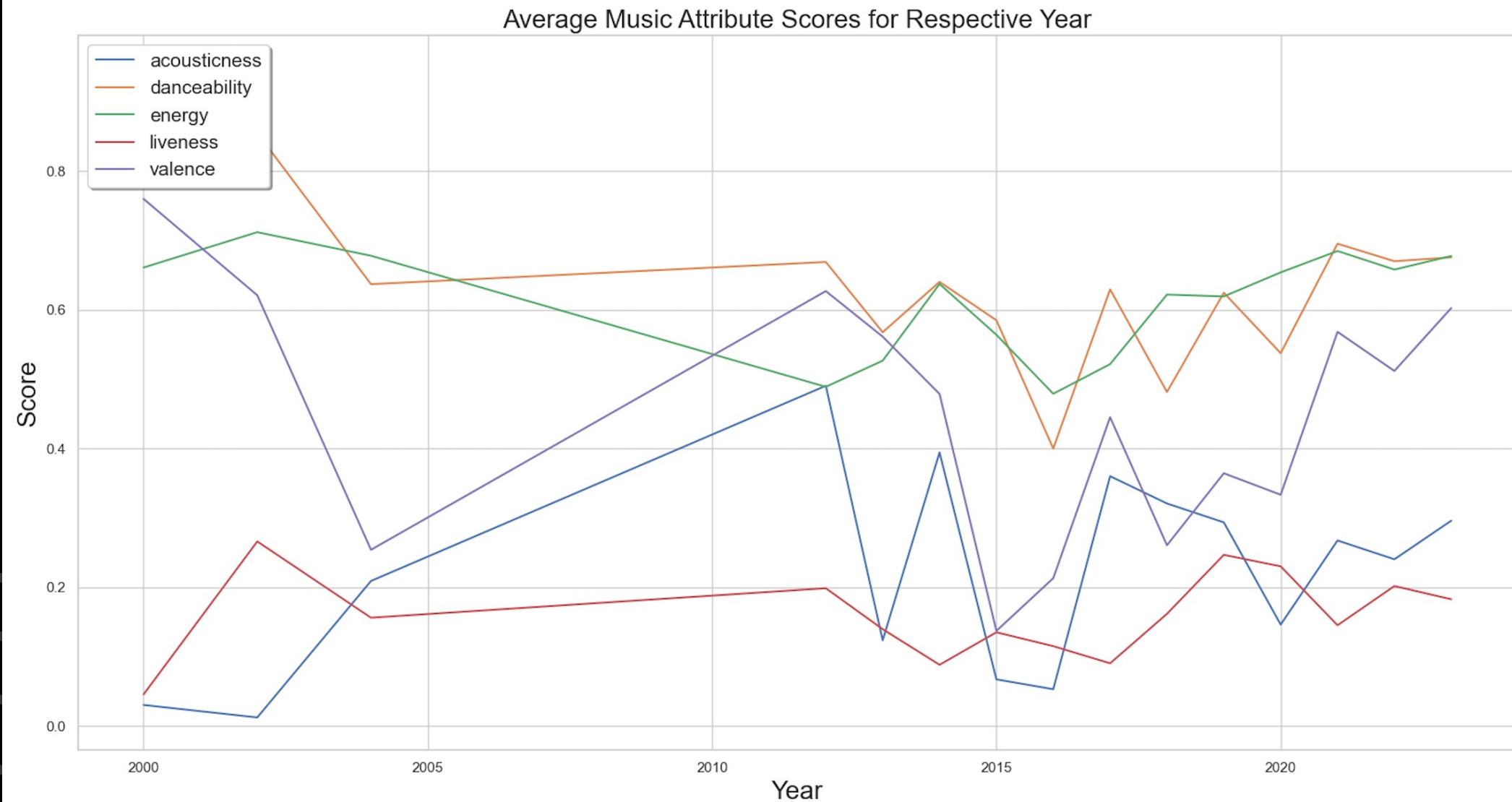
Q2.



Q2.



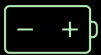
Q2.



Question 3:



Popularity Score vs. Danceability



Popularity Score vs. Energy



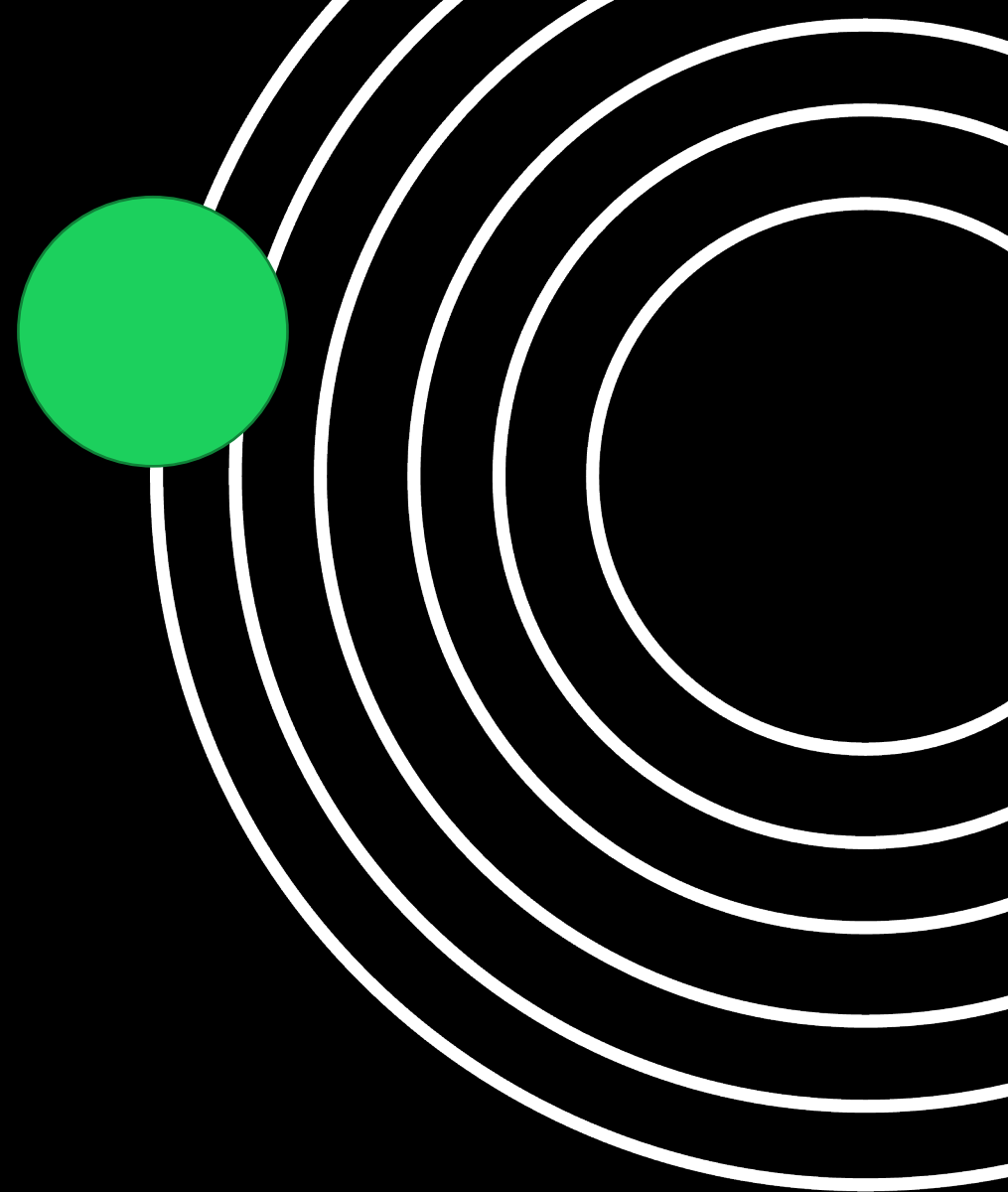
Popularity Score vs. “Instrumentalness”



Popularity Score vs. Liveness

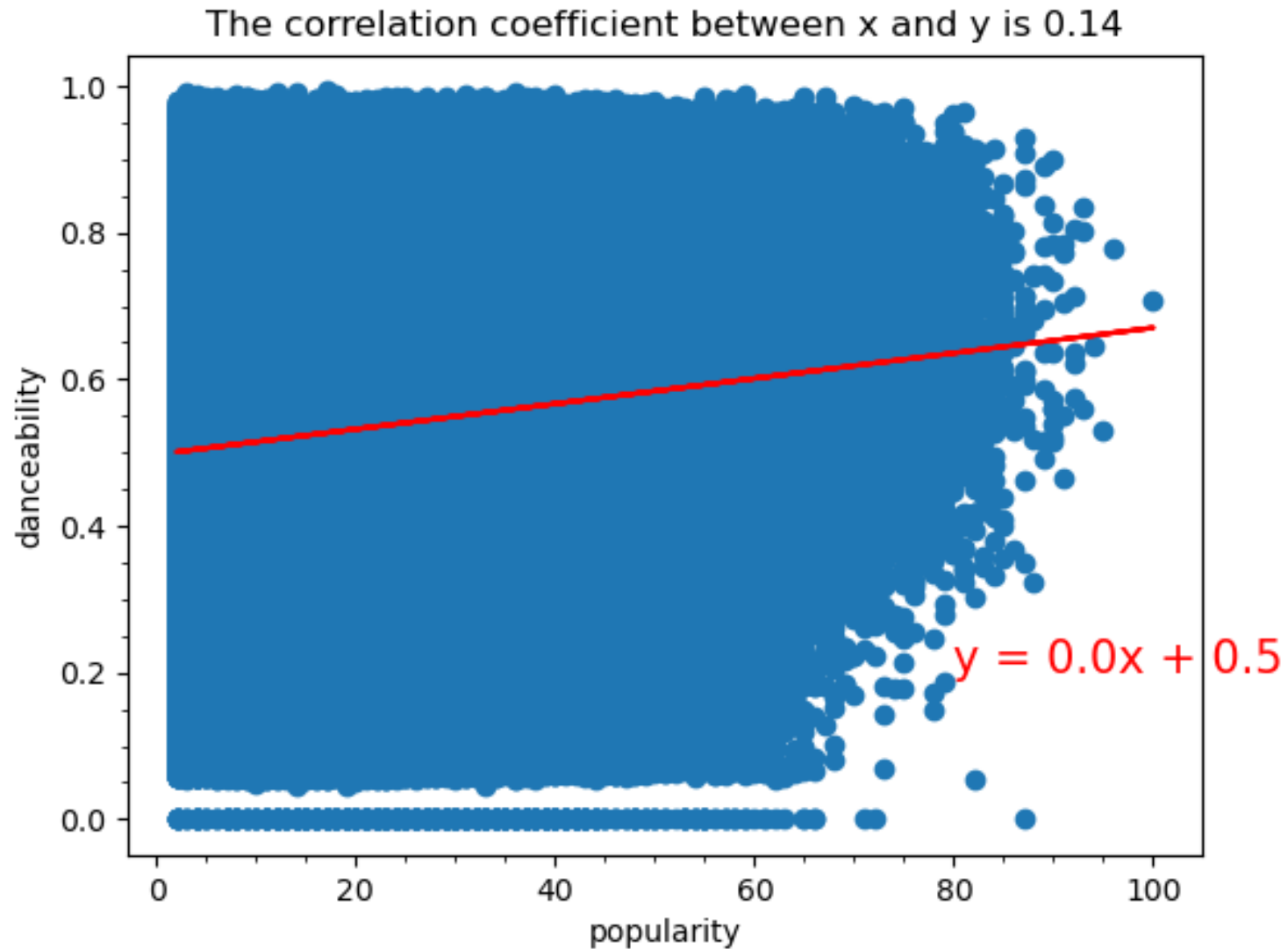


Popularity Score vs. Duration



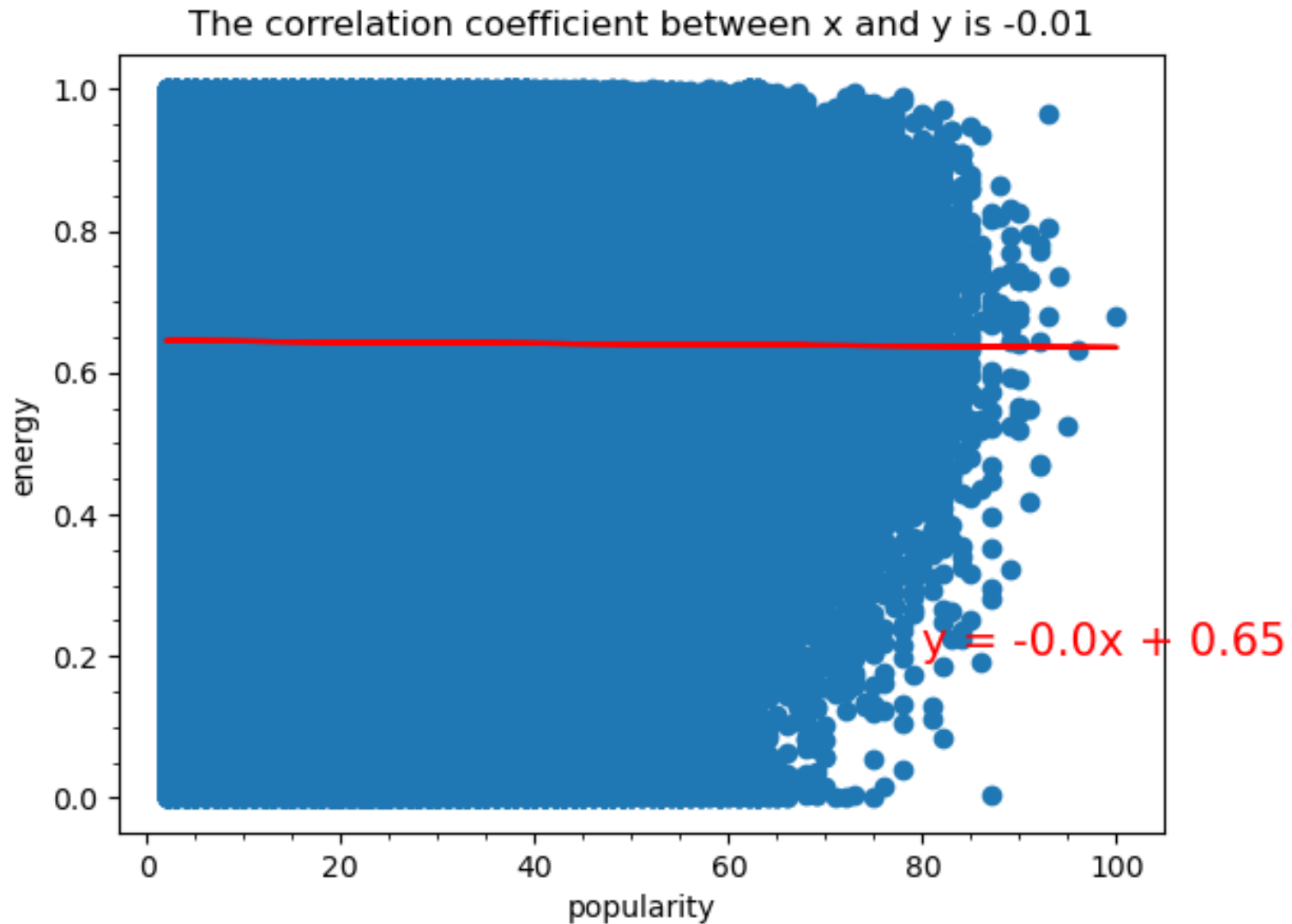
Q3.

Danceability



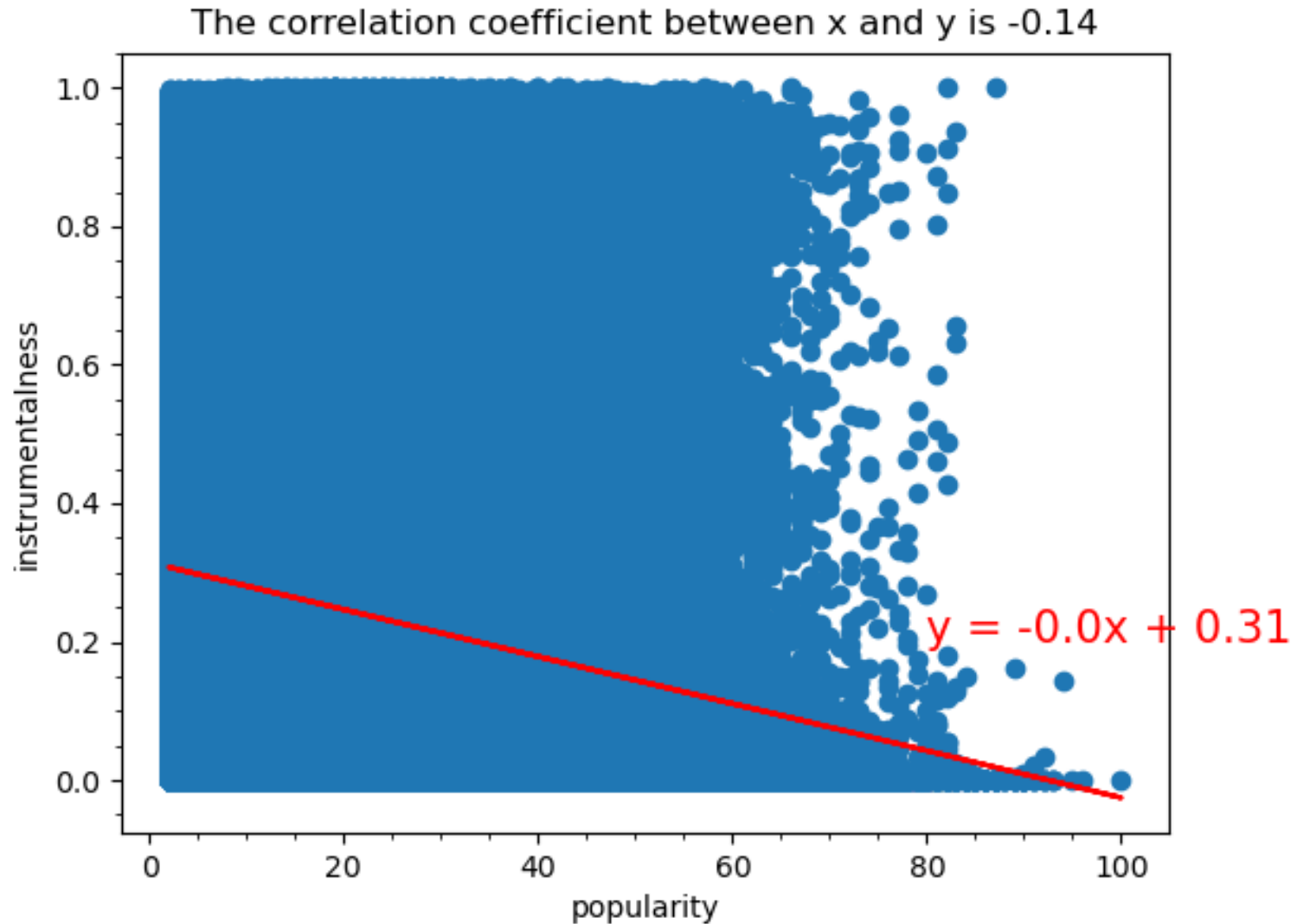
Q3.

Energy



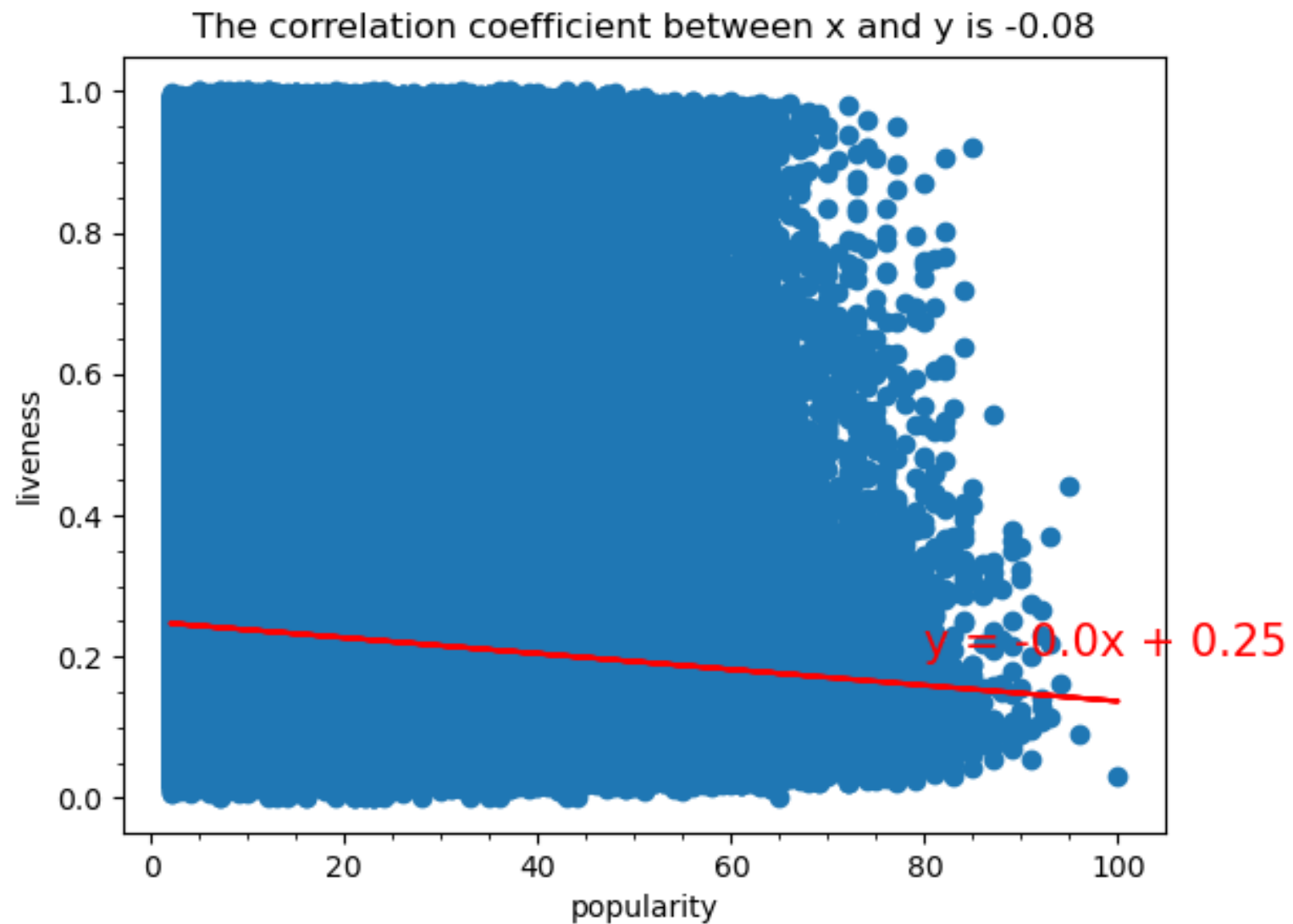
Q3.

“Instrumentalness”



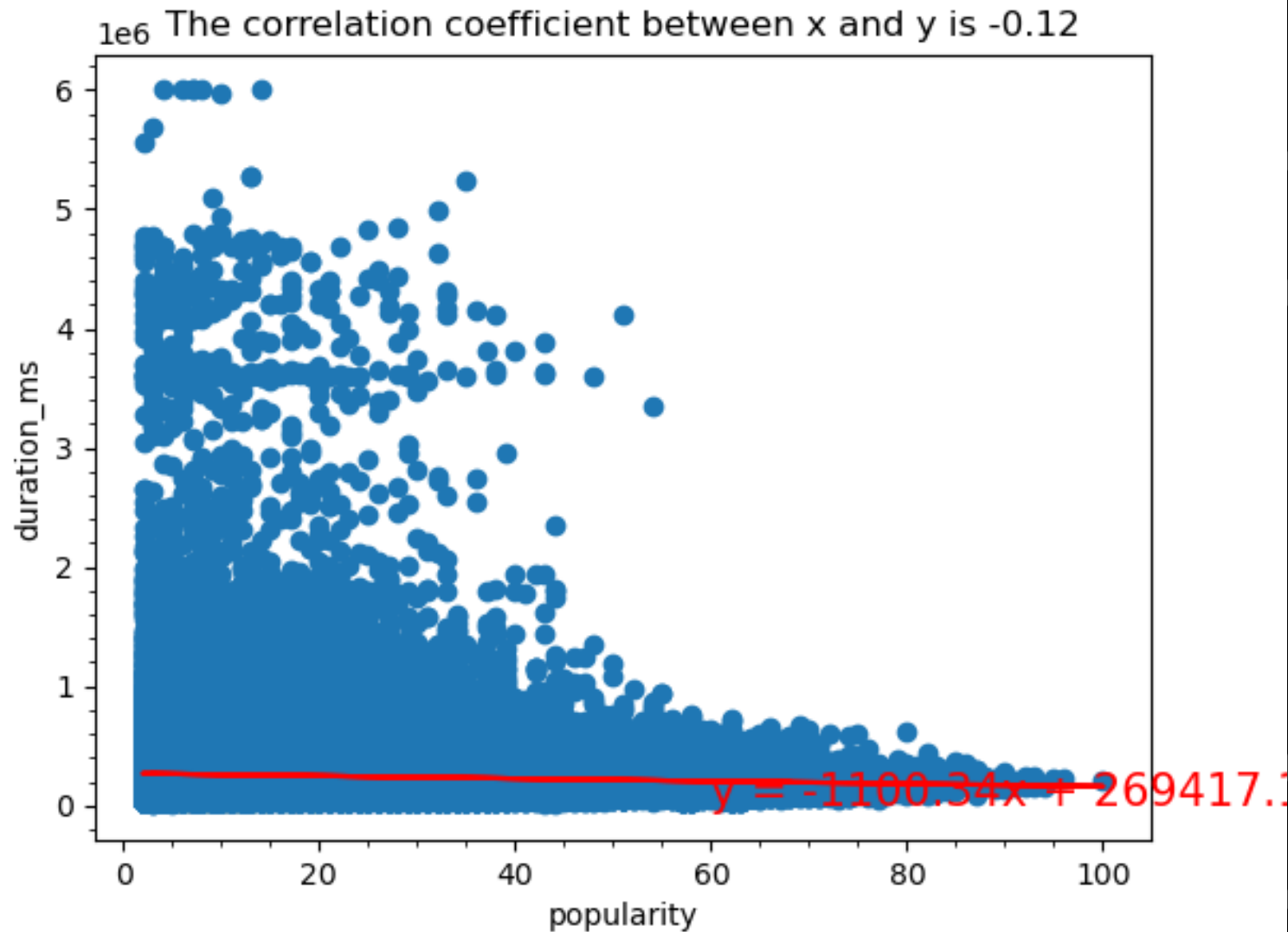
Q3.

Liveness



Q3.

Duration



Summary



Danceability Positively Effects
Popularity Index



Recently released songs are more likely
to have a higher popularity score



Pop, Hip-Hop, Dance are Most Popular
Genres



Assessment and Evaluation



Spotify is One Platform



Consider Outside Factors



Thank

you

