

Attribute	n.euclidean < 0.121576	n.euclidean < 0.206442	n.euclidean < 0.259790	Analysis
R&B	<u>Decade:</u> Connection between the 70s to 80s to 90s to 00s to 10s.	<u>Decade:</u> Big collection of groups. The biggest cluster consisted of the 80s, 00s, 10s, with a mix of 60s, 70s. Other groups have the same mix of decades.	<u>Decade:</u> Biggest connections to 80s and 00s songs with the other decades connected to them.	<u>Decade:</u> Biggest connections for the 80s to 00s song show that those decades had those songs had the most influence by other songs or influences other songs.
	<u>Genre:</u> Prevalent connections between R&B songs and Latin songs. There are connections between R&B and Pop songs. Some connection between R&B and EDM/Rock. There are major clusters of nodes.	<u>Genre:</u> Group of pop and R&B connected songs. A further group of connected Latin, Pop, Rap songs. With a few connections to rap and EDM.	<u>Genre:</u> Two major clusters that are connected but separate. One side consists mainly of R&B and Pop with a slight connection to Rock. The other side consists of R&B, Pop, and Latin with a slight connection to EDM.	<u>Genre:</u> Pop songs were being connected to R&B showing that songs had blurred lines between the two genres. Latin music was also connected, showing a more influence of that music from R&B.
	<u>R&B Only:</u> Major connected songs connected with each other 10s to 80s to 90s and 80s 00s 70s.	<u>R&B Only:</u> More clusters of songs. One prevalent cluster with songs being most similar from the 80s 90s 00s and 10s. A couple of groups are the 80s connected to the 00s.	<u>R&B Only:</u> The connection between the 80s, 00s, 10s songs. Closer groupings.	<u>R&B Only:</u> R&B songs from the 80s and 00s had a high connection to other songs showing that these decades had a high influence on other decades. The prevalent time period in the development of the Genre.
Rock	<u>Decade:</u> Two connections. One being 70s and 00s and the second group consists of 00s, 70s, and 10s.	<u>Decade:</u> Connection for the 70s to 00s to 10s to 90s. Side connections 00s to 60s and 70s to 60s.	<u>Decade:</u> The continued high connection between the 00s and 10s to 90s, 70s, 80s. Connection for the 60s songs to 10s, 00, 70s.	<u>Decade:</u> The 70s, 10s, and 00s songs had continuous connections showing to be influential decades.
	<u>Genre:</u> Connection to EDM and R&B.	<u>Genre:</u> Main connections to other Rock songs. Singular connection to Pop, R&B, EDM, Latin.	<u>Genre:</u> Latin and Pop high connections to lots of other Rock songs. Some R&B, EDM.	<u>Genre:</u> Connections to other songs were weak showing Rock to not have as blurred lines. The Rock songs did connect to Latin and Pop that those sounds have been influenced by Rock.
	<u>Rock Only:</u> One single connection between the 70s and 00s songs.	<u>Rock Only:</u> The connection between the 00s, 10s, and one 70s.	<u>Rock Only:</u> Highest connections of 10s and 00s connected to one 70s song. Side connection of two 60s songs.	<u>Rock Only:</u> Rock songs had the most connection throughout the 70s and 00s and 10s. These decades were influenced by each other for developing sound.

EDM	<u>Decade:</u> 90s to the 10s and 00s.	<u>Decade:</u> Connection between the 90s and 70s and 00s.	<u>Decade:</u> The EDM songs were both from the 90s with connections to the 70s, 00s, and 80s.	<u>Decade:</u> Connected songs to the 90s with connection to others. The 90s developed the sounds and connected the other future and past songs.
	<u>Genre:</u> Connection to R&B and Rock.	<u>Genre:</u> Connections to Rap, Pop, Rock, and Latin. Still very limited node connections.	<u>Genre:</u> Three EDM songs connected to Rap, Pop, and EDM Songs.	<u>Genre:</u> Rap, Pop, Latin, and Rock were connected show that EDM contributed to the sounds of those songs.
	<u>EDM Only:</u> None.	<u>EDM Only:</u> The connection between the 90s to 10s.	<u>EDM Only:</u> Continue connection between the 90s to the 10s.	<u>EDM Only:</u> Limited EDM songs but with one song having high influence from the 90s. The song is from the 10s.
Rap	<u>Decade:</u> 70s and 80s songs connected. The 80s connected to the 90s to the 10s.	<u>Decade:</u> The four songs are from the 70s, 80s, 10s, 90s connected to 80s, 10s, and 90s.	<u>Decade:</u> Continued connections between the four songs. There is a high connection between the 80s, 90s, and 10s songs.	<u>Decade:</u> The four songs had high inner connections between songs that connected them together with the 80s, 90s, and 10s.
	<u>Genre:</u> Connection to R&B and Pop. One Latin song.	<u>Genre:</u> Four prevalent Rap songs that are connected to R&B and Pop. Some connection to EDM, and Latin.	<u>Genre:</u> High connection between R&B and Pop songs that are interconnected between the other Rap songs. Some EDM and Latin.	<u>Genre:</u> The R&B and Pop songs were very connected to the Rap song.
	<u>Rap Only:</u> None.	<u>Rap Only:</u> The 70s connection.	<u>Rap Only:</u> Similar to the 80s and 70s. Low amount of nodes.	<u>Rap Only:</u> Limited connections between Rap songs but songs were very interconnected with each other.
Latin	<u>Decade:</u> Connected between songs from the 70s, 80s, 00, 10s. Another connection for the 00s, 90s, and 10s with a distant relation to the 80s. Other relations for the 80s, 60s, 00s.	<u>Decade:</u> The 70s, 00s, 80s have the most interconnectedness and grouping.	<u>Decade:</u> The 00s, 80s, 70s, 60s have a continuing major of the cluster. No true side groupings.	<u>Decade:</u> The 70s, 80s, 00s, have the most recurring connectedness for the songs.
	<u>Genre:</u> Latin songs connected to R&B songs. Some connections R&B, Pop, Rap.	<u>Genre:</u> Continued cluster for R&B and Pop. Some EDM, Rap, Rock.	<u>Genre:</u> Majority R&B and Pop connection. With some Rap, Rock, EDM.	<u>Genre:</u> The clustered songs are in the genres of R&B and Pop.
	<u>Latin Only:</u> Interconnectedness from 00s songs.	<u>Latin Only:</u> Connect through the 00s, 90s, 60s.	<u>Latin Only:</u> Connection through the 00s, 90s, 60s, 70s.	<u>Latin Only:</u> Connect through the 00s, 90s, 60s.

Pop	<u>Decade:</u> The 80s, 90s, 10s, connected. Also 80s, 00s, 60s.	<u>Decade:</u> The 80s connected the 10s, moving into the 70s and 00s, with 80s to 60s and 00s.	<u>Decade:</u> The 00s with the 70s and 80s connected. Continuing with more 80s further down. More 80s and 60s further down.	<u>Decade:</u> There is a section of connection with the 70s, 80s, 00s, and 10s connected, and then another section of 80s, 60s, and 00s.
	<u>Genre:</u> Pop connected to R&B, Rap, and Latin.	<u>Genre:</u> One side of the Pop connections is with Rap and R&B. Others have R & B and Latin, then with some EDM, Rock. The other two tangles have major connections of just R&B and Pop.	<u>Genre:</u> Cluster of Pop to Latin which moves R&B with EDM and Rap in the mix. Another side has more Pop connections with R&B. Some Rock and EDM	<u>Genre:</u> High cluster of Pop with R&B. Slight mix of Rap with it. Then the other side has more R&B connections. There are Latin connections and rock and EDM.
	<u>Pop Only:</u> The 60s connected to the 00s and 80s connected to the 00s.	<u>Pop Only:</u> More growth connection with the 80s, 60s, to one 70s. Connection with the 80s to 00s.	<u>Pop Only:</u> High concentrations of the 60s with 70s and 80s. Above there is a connection with the 80s, 10s, and 00s.	<u>Pop Only:</u> The songs connect with each other through the decades of the 60s, 70s, and 80s. Also with the 80s to the 00s.

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60s	There is one connection between two pop songs that were both made in the 60s. The connection is between a singular artist, Joan Manuel Serrat, and the band, the Gentrys.	The connection between songs continues to be pop songs. But there have formed two groups of networks. The group connection consists between artists that are bands and also two individual artists. The separate connection is the same one as before.	The connections have grown to now include some rock songs. The interconnection is still mainly between pop songs, but there are links to rock songs. The interconnectedness is a lot among artists that are bands with some connection to singular singers as well.	It can be seen that for songs from the 60s, the most similar songs are the pop songs with rock songs. The artists who are similar are bands and also solo artists.
70s	There is one connection between a Rap and a Latin song. The connection is between two bands.	The connections have grown into two groups. One group is the previous group from before. The second consists of rap and pop songs. The artists in this group are all solo artists.	The connection added a new connection between two pop songs. The rest of the connections stayed the same. The new connection is between two solo artists.	The overall connections are separated into two groups. One group consists of pop and rap songs. The second consists of rock, pop, R&B, and Latin songs. The majority of artists are solo artists, with some being bands. At this time period, rap and pop songs were made up of the same attribute levels though in different genres.
80s	The connection is a grouping between r&b and pop songs. There are repeating artists who had one pop song and one r&b song that are very highly close in Euclidean distance to each other. The rests are solo artists and one band.	The connection continued to grow with R&B and Pop's songs. There is a connection to one rap song. The artist connections are again a mix of solo and band artists. The artist Karen White had the highest amount of connections with an R&B song.	The connection grew with the addition of more rap songs to already the connections between the pop and r&b songs. The highest connected songs are with artists that are bands and r&b genre songs.	Overall, the closest connections for songs created in the 80s are R&B and Pop songs. There is some rap but not a lot. A significant insight is an artist created two songs that are categorized in two different genres but their quantitative attributes are very similar.
90s	No connections.	There is one connection between an r&b song and a rap song. The connection is between a band and a solo artist.	No change.	With no euclidean distance, the connections that were created were between two rock songs, EDM, and Latin, and rap, r&b, and EDM songs. What is interesting is that there classic songs by Beethoven that is classified as a rock song. The biggest connection is between solo artists such as Elton John.
00s	The inner connection between Latin songs, and pop and r&b. The artists are all bands except solo artists Carrie Underwood.	Additional connection with rock songs. New connections to pop and r&b songs. Addition of solo artists and two bands.	No change.	No new change. But what can be seen is that Latin, pop, and r&b songs all had very similar attributes. The highest connected songs are two Latin songs and 2 pop songs with all having nine connections.

<p>10s</p>	<p>There is one connection between a pop and r&b song. Connection is between two solo artists.</p>	<p>A high connection between pop, and r&b, with a connection to one rap and one EDM song. The songs are all solo artists. Two songs feature another solo artist.</p>	<p>Interesting connection. One side of the network is connections between rock and r&b songs. That group is connected to the other side through a Latin song. The other side has a high interconnection cluster between pop, r&b, rap, and EDM songs. The one side network connection consists of the band artist, while the other side is the same as before were its solo artist. The node that connects it all is a band.</p>	<p>There is no change. The connected pop and r&b songs show that this decade has a lot of similarities in songs even though the genres are different. The rock and r&b bands also have similar attributes that make up the songs.</p>
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