Music SQL Database Project - Udacity
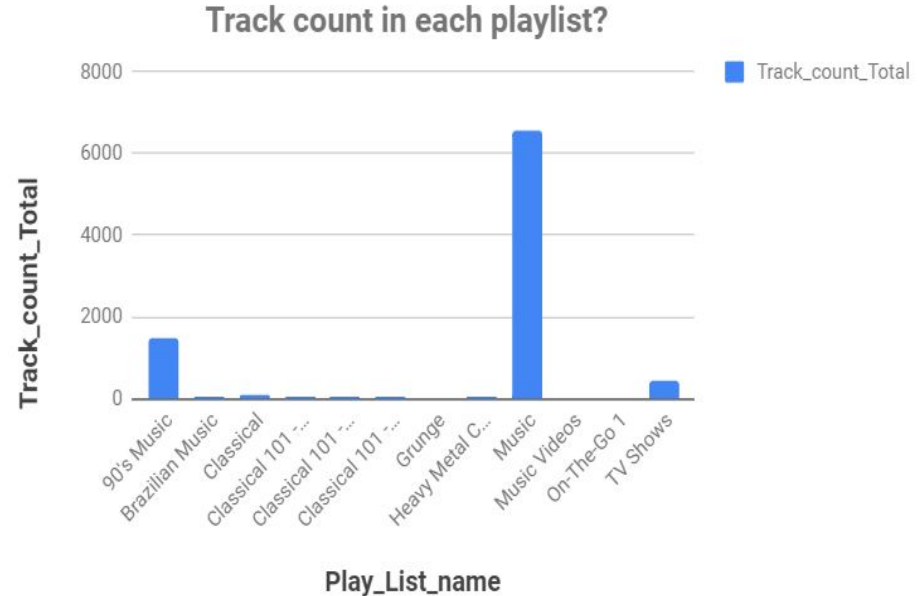
Data Foundation Nanodegree

1 What is the total number of Tracks in each playlist?

- In this as we can see that the highest number of track is for "**Music"** playlist. Which has total of 6580 track count.
- Also the lowest number of track is for "**Music Videos**" and "**On-The-go 1"** playlist.
- After Music playlist, at second position it's "**90's Music**".

Select p.Name as Play_List_name,
count(plt.playlistId) as Track_count_Total
from PlaylistTrack as plt
join Playlist as p
on plt.Playlistid = p.playlistid
group by p.name;

Track count in each playlist?

■ Track_count_Total

Track_count_Total

8000

6000

4000

2000

0

90's Music Brazilian Music Classical Classical 101 -... Classical 101 -... Grunge Heavy Metal C... Music Music Videos On-The-Go 1 TV Shows

Play_List_name

#2 Which sales agent sales the most in the year 2010?

In this, we can see that in the year 2010. Sales agent, **Jane** made the most sales. Lowest number of sales made by **Margaret.**

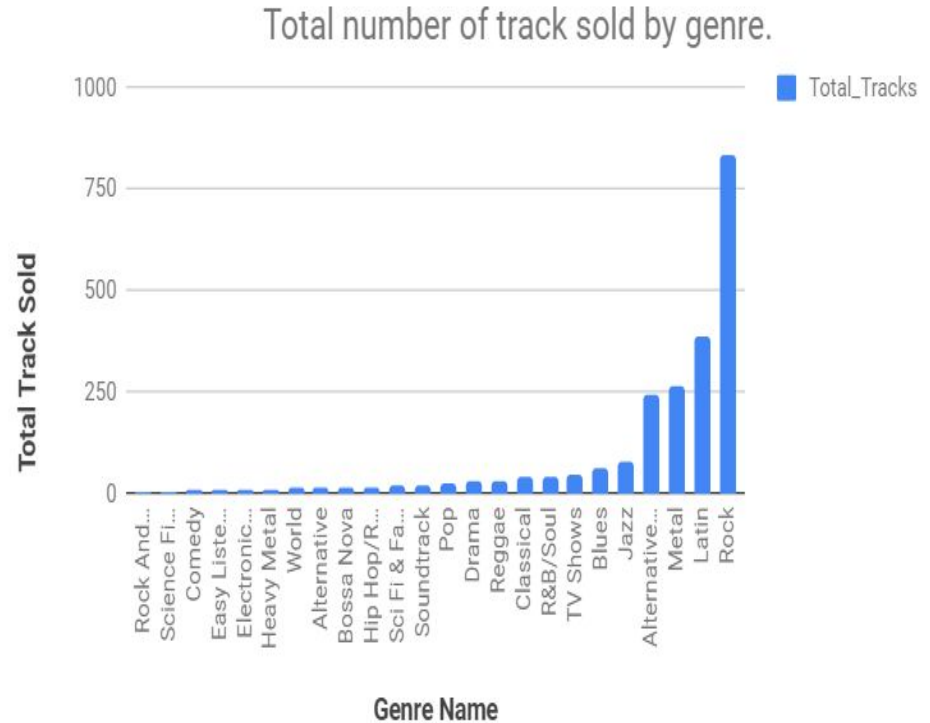Sales made by Jane is 222, Steve 137 , Margaret 123.

select employee.firstName, sum(Invoice.total) as Total

from Invoice

join customer on customer.customerid = Invoice.customerid

join employee on Employee.employeeid = customer.supportrepid

where Invoice.invoiceDate like '2010%'

group by Employee.Employeeid

order by Total desc ;

Sales in 2010

Total Sales vs Sales Agent Name

#3 What is the Maximum number of Track sold by Genre?

- In this, It's clearly seen that maximum number of track sold is in the **Rock Genre**, and than **Latin**. And the least number of track sold is of "**Rock and Roll**" and "**Science Fiction**" genre - both have only total of 6 track sold.
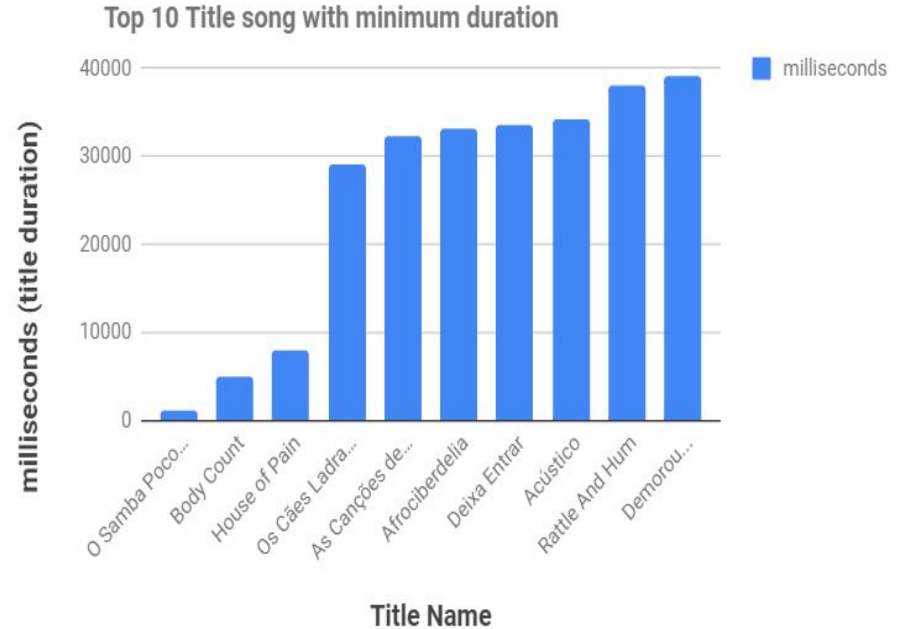
```
SELECT genre.Name Genre,
COUNT(genre.Name) Total_Tracks
FROM InvoiceLine
JOIN Track
ON InvoiceLine.TrackId = Track.TrackId
JOIN Genre
ON Track.GenreId = genre.GenreId
GROUP BY Genre
ORDER BY Total_tracks;
```


Total number of track sold by genre.

#4 What is the top 10 title song with minimum duration (milliseconds)?

As shown in this, we can say that the title with minimum duration (in milliseconds) is "**O Samba Poconé**" (its duration is of 1071 milliseconds) and than we have the title name "Body Count" (4884 milliseconds) on the second position.

```
SELECT Album.Title,
min(Track.Milliseconds) milliseconds
FROM Album
JOIN Track
ON Album.AlbumId = Track.AlbumId
GROUP BY Album.Title
ORDER BY milliseconds
lIMIT 10;
```


Top 10 Title song with minimum duration

External Resources used for this project.

[Question idea](#)

→ [Walkthrough Video](#)

[SQL tutorial](#)