

# Project 3: SQL PROJECT

Submitted To:

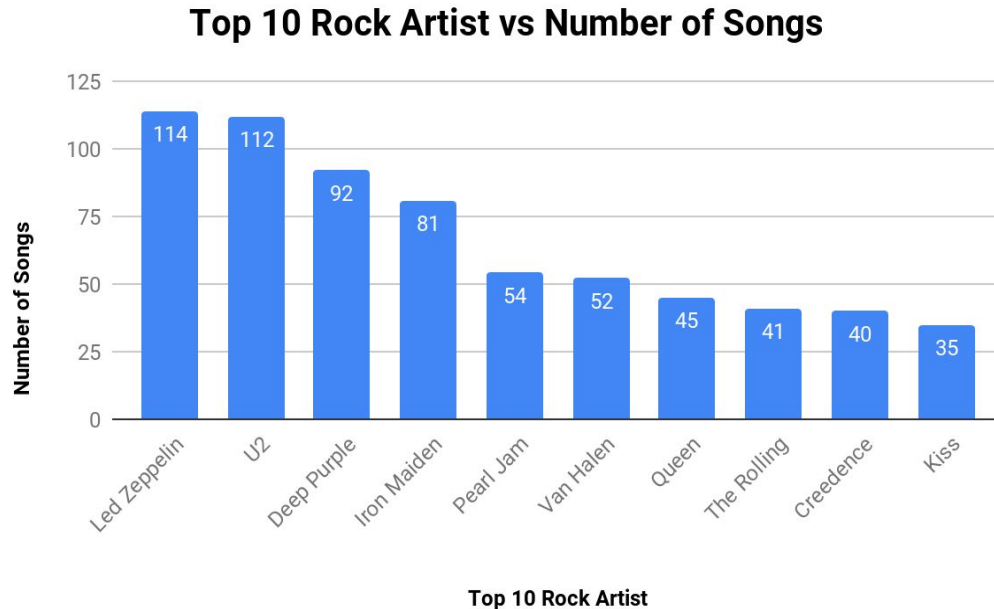
Udacity (Data Foundations Nanodegree)

By: Esther Weyinmi Isack (Koloh)

Data Provided by Udacity - Chinook Music Database

# Insight 1: Top 10 Rock Artist and Number of Songs on Record

Figure 1: Bar Chart showing top 10 Rock Artist and number of songs on record

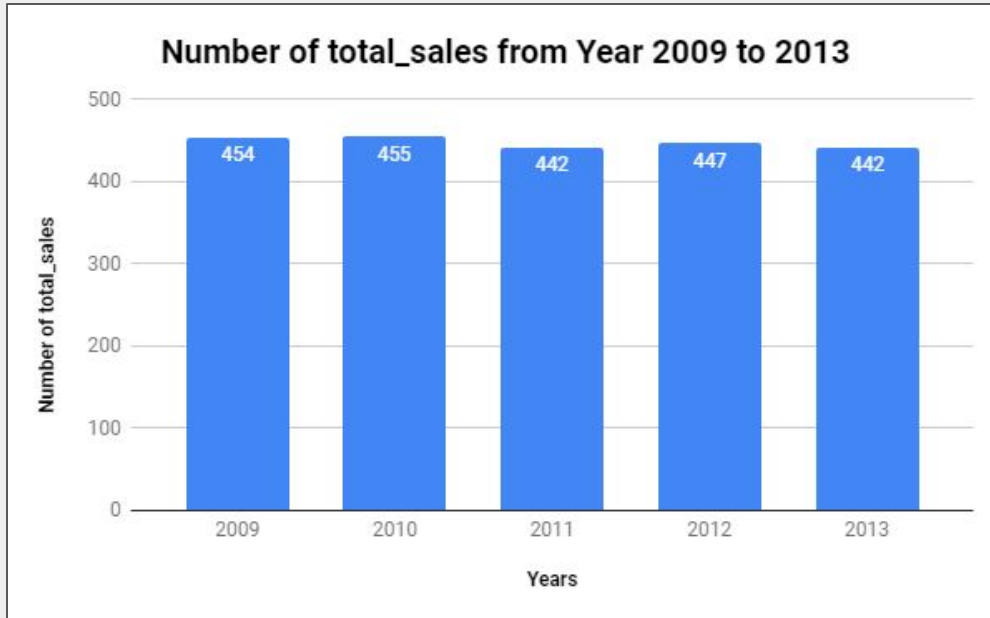


The Bar Chart shows the top 10 Artist/Band in the Genre Category and the number of songs each Artist has on record. From the Chart, one can see that the artist Led Zeppelin, has the highest number of songs with a record of 114 songs.

I chose the Rock Genre because from my previous query of the Chinook Music database, it shows that Customers purchased more of the Rock Genre of Music than any other Genre (This can be seen in the "customer\_buy\_rock" of the Google Sheet).

# Insight 2: Chinook Music Sales Summary from Year 2009 to 2013

Figure 2: Bar Chart showing number of total sales from the Chinook database.

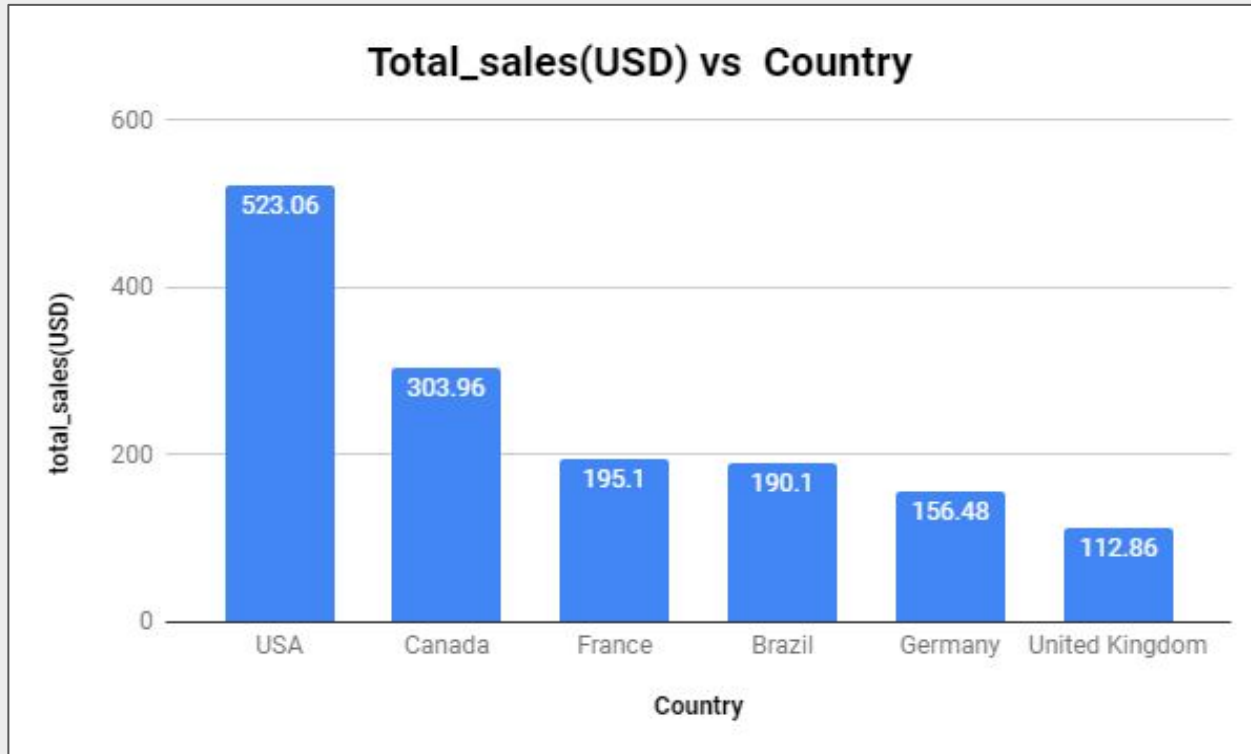


The Bar chart in figure 2 shows the total sales for each year according to the invoices issued from 2009 to 2013. From the chart, it is shown that year 2010 has the highest number of sales with record of 455 sales. This is 1 less than the sale in 2009. After 2010, the sale dropped in 2012. From the Chart, 2010 happen to be the year of most sales for Chinook Music.

From the chart, we can see that this is a uniform distribution as there is no much differences in the number of sales in the years only in the sharp drop in 2011.

# Insight 3: Countries With the Highest Total Sales in the Chinook Music Database.

Figure 3: Bar Chart showing total sales from the top 6 Countries with the most total sale in the Chinook database.



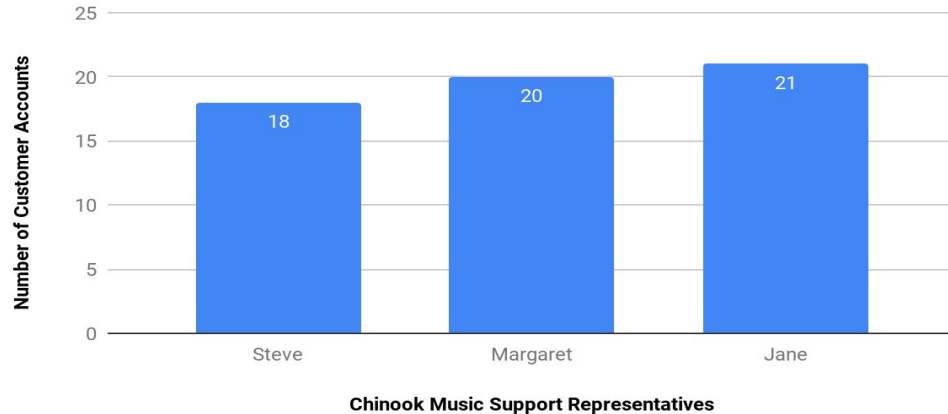
The Bar Chart in Figure 3 shows the various total sales by top 6 countries from the 24 Countries on record in the Chinook Database. From the chart, we can see that the highest sale is from USA with 523.06 US Dollars, followed by Canada and the least here is United Kingdom with a total of 112.86 US Dollars..

These Countries are selected as the top countries with the most sale because their sale total are above 100 US Dollars.

# Insight 4: Total Number of Customer Account Supported by Each Support Representative Agent.

Figure 4: Bar Chart showing number of customer Accounts supported by each Support Agent in the Chinook database.

**Support Representative vs Number of Customer Accounts Supported**



The Bar chart shows how many customer accounts are managed by each Support Representative Agent at Chinook Music. From the Chart, Jane has the highest number of customer accounts she is supporting which is a total of 21 and Steve has the least number of customer accounts with a total of 18.