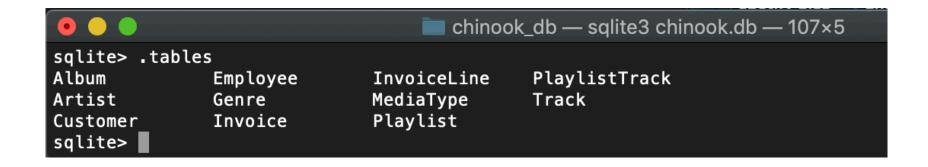
SQL FOR DATA ANALYSIS PROJECT FROM UDACITY

- The database used (chinook.db) represents a digital media store, including tables for artists, albums, media tracks, invoices and customers
 - I used sqlite3 via the Terminal App to query the database

By: Jerome Pullen Jr.

Here are all of the tables within the chinook.db database:



I then queried to find which Artists earned the most money:

```
chinook_db — sqlite3 chinook.db — 104×26
sqlite> SELECT Artist.Name AS Artist_Name , sum(InvoiceLine.UnitPrice*InvoiceLine.Quantity)AS Song_Cost
   ...> FROM Invoice
   ...> JOIN InvoiceLine
   ...> ON Invoice.invoiceId = InvoiceLine.InvoiceId
   ...> Join Customer
   ...> On Invoice.CustomerId = Customer.CustomerId
   ...> JOIN Track
   ...> ON Track.trackId = InvoiceLine.TrackId
   ...> JOIN Album
   ...> ON Album.AlbumId= Track.AlbumId
   ...> JOIN Artist
   ...> ON Artist.ArtistId= Album.ArtistId
   ...> GROUP BY Artist.Name
   ...> order by Song_cost desc
   ...> LIMIT 10;
Iron Maiden|138.6
U2|105.93
Metallica|90.0899999999999
Lost | 81.59
The Office 49.75
Os Paralamas Do Sucesso 44.55
Deep Purple 43.56
Faith No More | 41.58
Eric Clapton | 39.6
sqlite>
```

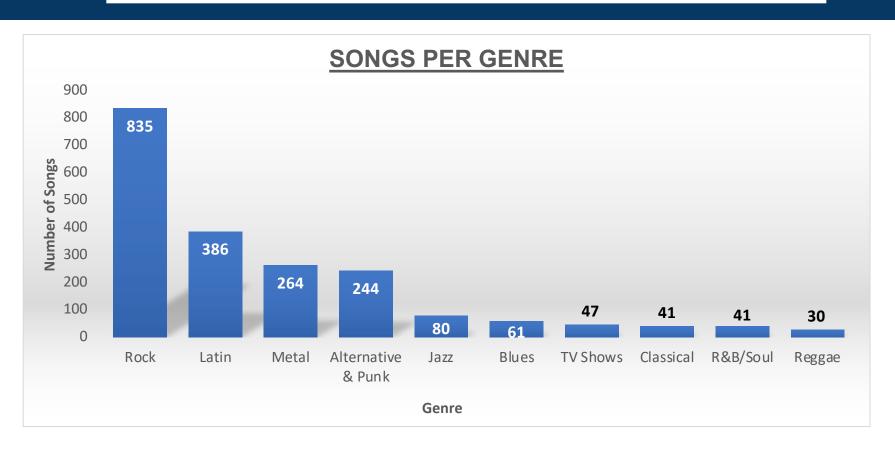
ARTISTS WHO EARNED THE MOST MONEY



I then queried to find which genres had the most songs:

```
chinook_db — sqlite3 chinook.db — 112×24
sqlite> SELECT Genre.name , Count(Genre.Name) AS Popular_Genre
   ...> FROM Customer
   ...> join Invoice
   ...> ON Customer.customerId = Invoice.CustomerId
   ...> JOIN InvoiceLine
   ...> On Invoice.InvoiceId = InvoiceLine.InvoiceId
   ...> Join Track
   ...> ON InvoiceLine.TrackId=Track.TrackId
   ...> Join Genre
   ...> On track.GenreId= Genre.GenreId
   ...> Group by Genre.name
   ...> ORDER BY Popular Genre DESC
   ...> LIMIT 10:
Rock | 835
Latin|386
Metal|264
Alternative & Punk|244
Jazz|80
Blues | 61
TV Shows | 47
Classical | 41
R&B/Soul | 41
Reggae | 30
salite>
```

GENRES WITH THE MOST SONGS



Lastly, I queried to find the Artists with the most songs:



ARTISTS WITH THE MOST SONGS

