Project 3: Using SQL to Query a Digital Store Music Database
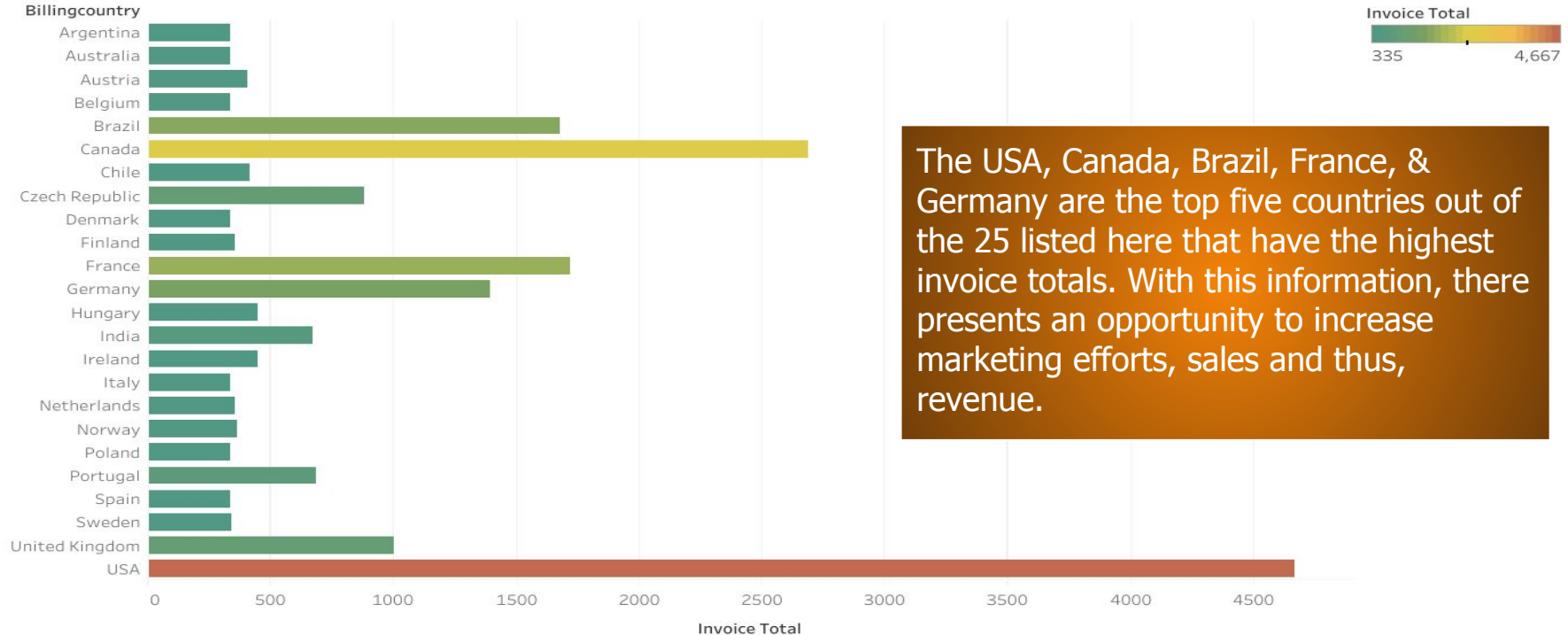
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Date: Jan 10, 2023

Project Objective:

The purpose of this project is to show SQL proficiency by successfully querying a music database, creating accurate visualizations for all performed queries, and demonstrating understanding by explaining each visualization.

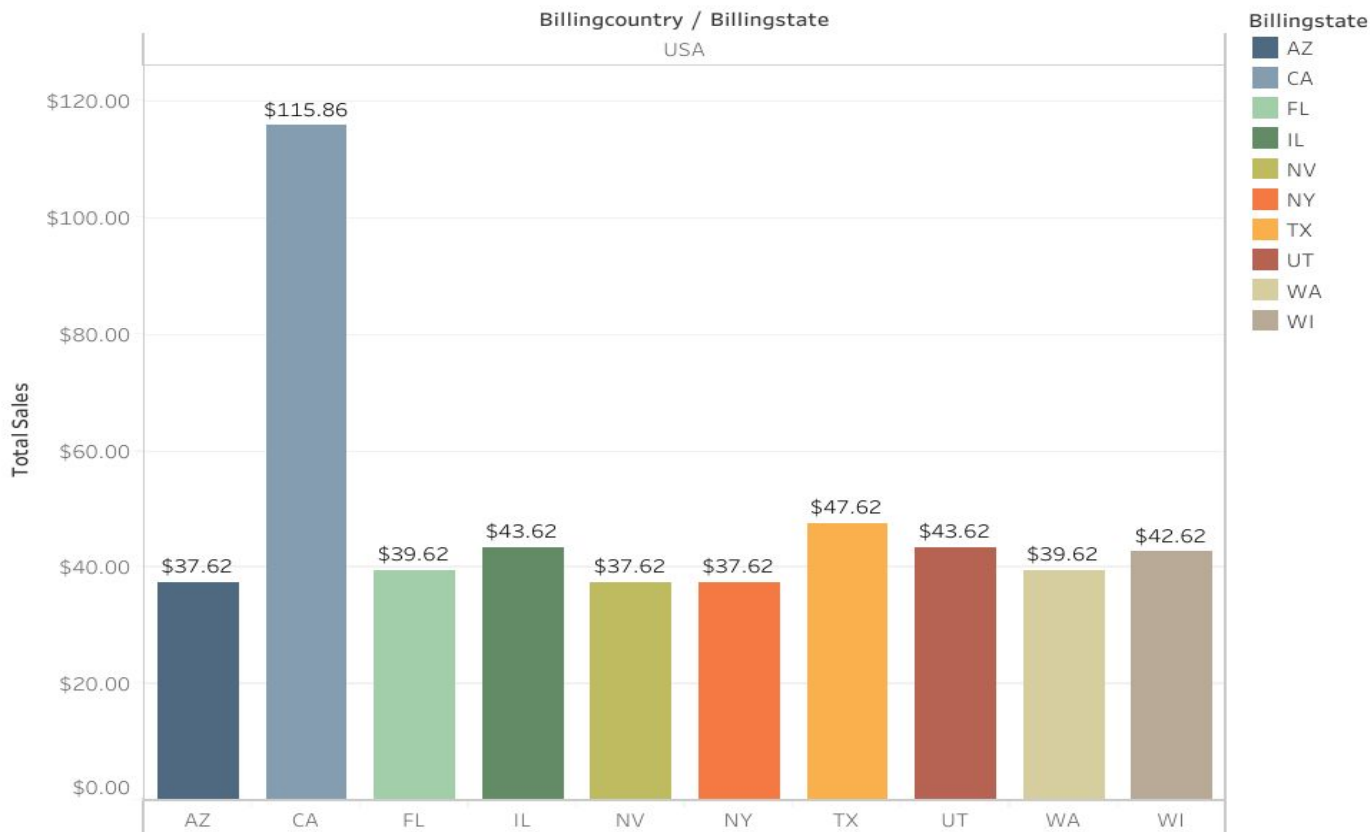# Question 1: Which top five countries have the highest invoice totals?

Top 25 Countries with the Highest Invoice Total

The USA, Canada, Brazil, France, & Germany are the top five countries out of the 25 listed here that have the highest invoice totals. With this information, there presents an opportunity to increase marketing efforts, sales and thus, revenue.

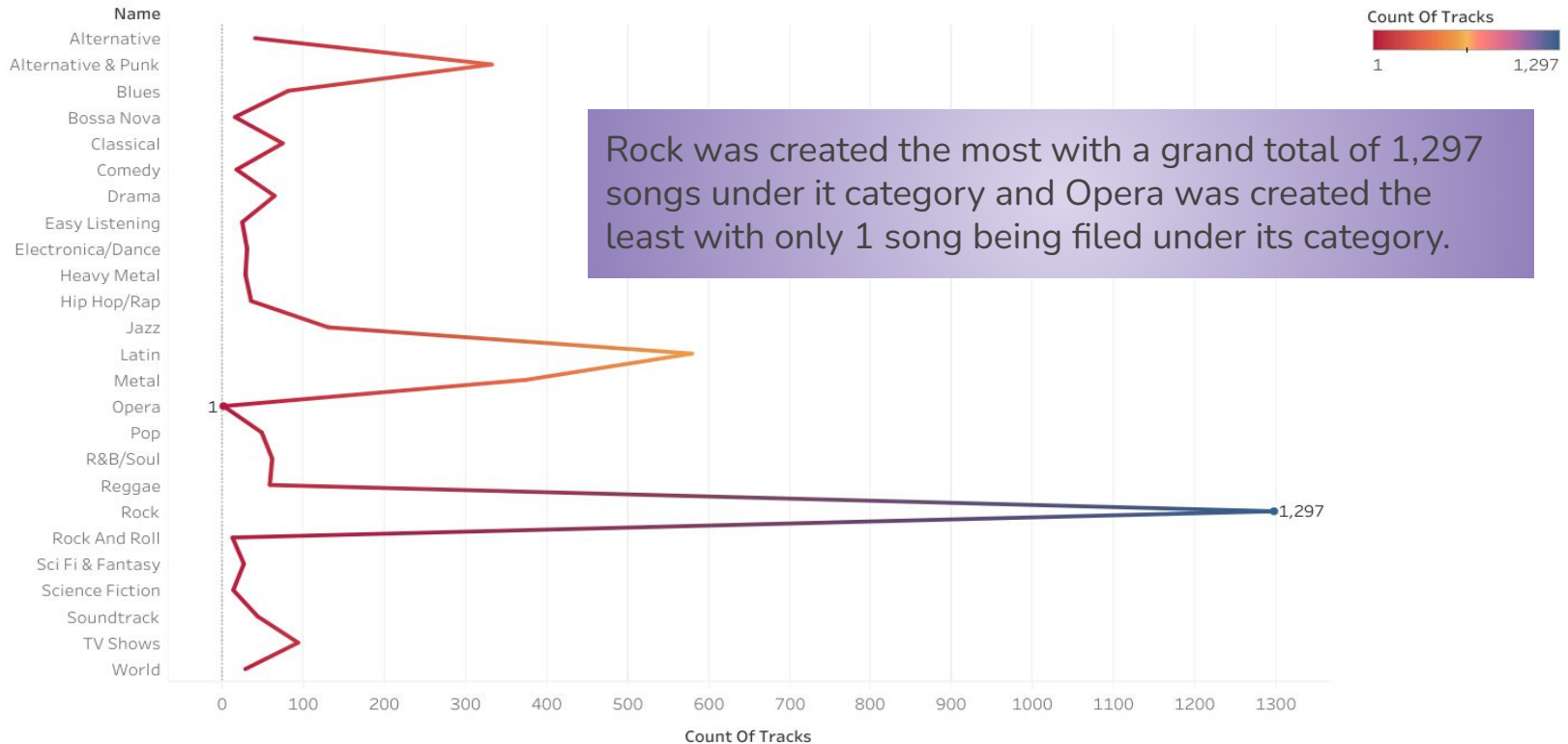# Question 2: Which US states had the highest paying Customers?

Which US State had the highest paying Customer?

Billingcountry / Billingstate

USA

California, Texas, Illinois, and Utah are the top 4 US states that generated the most sales.

Billingstate
- AZ
- CA
- FL
- IL
- NV
- NY
- TX
- UT
- WA
- WI

Total Sales values by state:
- AZ: $37.62
- CA: $115.86
- FL: $39.62
- IL: $43.62
- NV: $37.62
- NY: $37.62
- TX: $47.62
- UT: $43.62
- WA: $39.62
- WI: $42.62

Question 3: Which Music Genre was created the most and the least?

Which music Genre was created the most and the least?

Rock was created the most with a grand total of 1,297 songs under it category and Opera was created the least with only 1 song being filed under its category.

Question 3: Name the title, price, composer, and genre of the 1st 25 albums that begin with the letter N.

Name the title, price, composer, and genre of the 1st 25 albums that begin with the letter N.

Name	Composer	Title	Album Price
Classical	Carl Nielsen	Nielsen: The Six Symphoni..	$0.99
Metal	Adrian Smith/Bruce Dicki..	No Prayer For The Dying	$0.99
	Bruce Dickinson	No Prayer For The Dying	$0.99
	Bruce Dickinson/David Mu..	No Prayer For The Dying	$0.99
	Bruce Dickinson/Steve Ha..	No Prayer For The Dying	$2.97
	David Murray/Steve Harris	No Prayer For The Dying	$0.99
	Steve Harris	No Prayer For The Dying	$2.97
Rock	Kurt Cobain	Nevermind	$11.88
	Bill Berry-Peter Buck-Mik..	New Adventures In Hi-Fi	$13.86
	Deacon	News Of The World	$1.98
	May	News Of The World	$3.96
	Mercury	News Of The World	$2.97
	Taylor	News Of The World	$1.98
	J. Purdell, M. Inez, O. Osb..	No More Tears (Remaster..	$0.99
	L. Kilmister, O. Osbourne ..	No More Tears (Remaster..	$0.99
	De Beauport/Jagger/Rich..	No Security	$0.99
	Faithfull/Jagger/Richards	No Security	$0.99
	Jagger/Richards	No Security	$10.89
	Jesse Ed Davis III/Taj Mah..	No Security	$0.99

Album Price: $0.00 — $10.00

This Chart shows the Genre Name, Composer, Album Title and prices for all albums beginning with the letter "N" in alphabetical order, categorized by the Genre 1st.

Data Sources:

Udacity Business Analytics Course

- https://learn.udacity.com/nanodegrees/nd098-oneten-t2/parts/cd0023/lessons/ls0527/concepts/f19a9c52-f4e5-47a6-a5d2-32e94c46a7e5