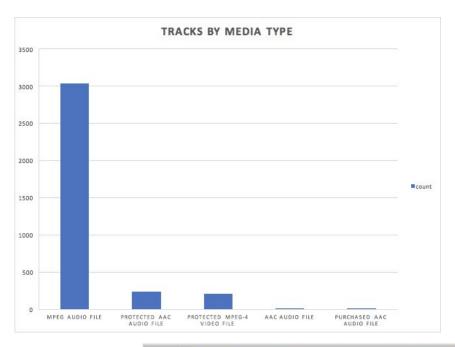
# DFND P3 Query a Music Store Database

Saifeldin Ahmed

# Count Tracks by Media Type

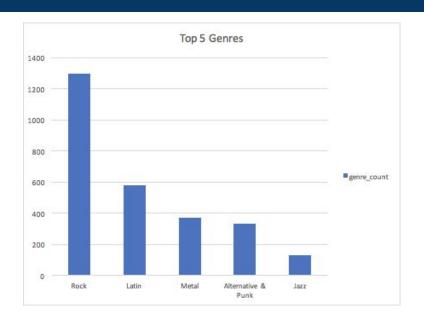


The vast majority of tracks are of **MPEG Audio File** type.

**Purchased AAC Audio Files** comprise the minority in the Database

- 1 SELECT MediaType.Name, COUNT(\*) AS count
- 2 FROM Track JOIN MediaType ON (Track.MediaTypeId = MediaType.MediaTypeId)
- 3 GROUP BY MediaType.MediaTypeld
- 4 ORDER BY count DESC;

#### Top 5 Genres



#### The Top 5 Genres in all the tracks are:

- 1. Rock
- 2. Latin
- 3. Metal
- 4. Alternative and Punk
- 5. Jazz

```
SELECT Genre.Name, COUNT(*) AS genre_count
```

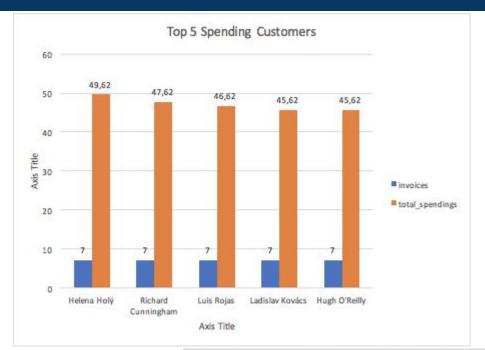
FROM Track JOIN Genre ON (Track.Genreld = Genre.Genreld)

3 GROUP BY Genre.Genreld

ORDER BY genre\_count DESC

5 **LIMIT** 5;

## Top 5 Spending Customers



The Top 5 Spending Customers each made 7 Orders (i.e have 7 invoices)

Their names are:

- 1. Helena Holy
- 2. Richard Cunningham
- 3. Luis Rojas
- 4. Ladislav Kovács
- 5. Hugh O'Reilly

```
SELECT FirstName | | ' ' | LastName AS full_name,

COUNT(InvoiceId) as invoices,

SUM(Total) AS total_spendings

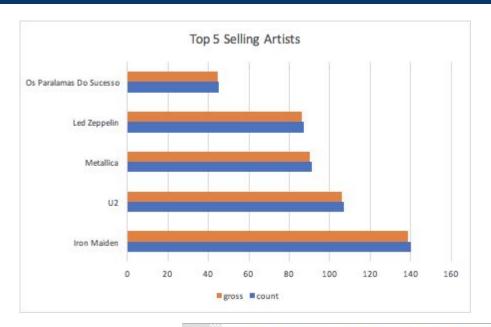
FROM Customer JOIN Invoice ON (Customer.CustomerId)

GROUP BY Customer.CustomerId

ORDER BY total_spendings DESC

LIMIT 5
```

## Top 5 Best Selling Artists

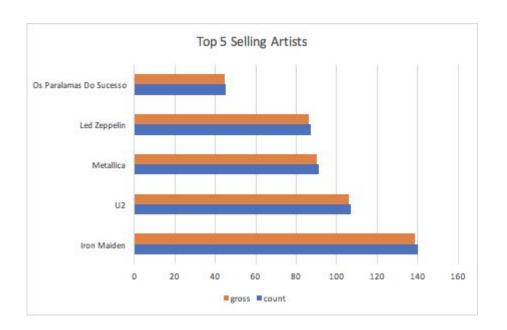


The best selling artist was **Iron Maiden** who sold **140** tracks grossing **\$138.6** 

They are narrowly followed by **U2** who sold **107** tracks and grossed \$**105.93** 

- 1 SELECT Artist.Name, COUNT(\*) AS count, SUM(InvoiceLine.Quantity \* InvoiceLine.UnitPrice) AS gross
- 2 FROM InvoiceLine JOIN Track ON (Track.TrackId = InvoiceLine.TrackId)
- 3 JOIN Album ON (Track.AlbumId = Album.AlbumId)
- 4 JOIN Artist ON (Album.Artistld = Artist.Artistld)
- 5 GROUP BY Artist. Artistld
- 6 ORDER BY 2 DESC
- 7 **LIMIT** 5;

## Top 5 Best Selling Artists

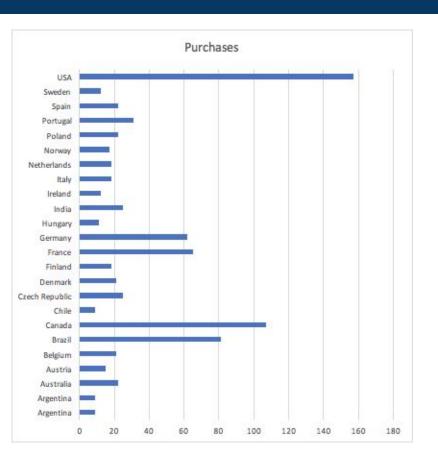


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- 4 JOIN Artist ON (Album.Artistld = Artist.Artistld)
- 5 GROUP BY Artist. Artistld
- 6 ORDER BY 2 DESC
- 7 **LIMIT** 5:

#### Most Popular Genre per Country



The most popular Genre in most countries is Rock.

It is tied with Alternative Rock & Punk in Argentina.

Sweden is the only country where Latin is the top genre.

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