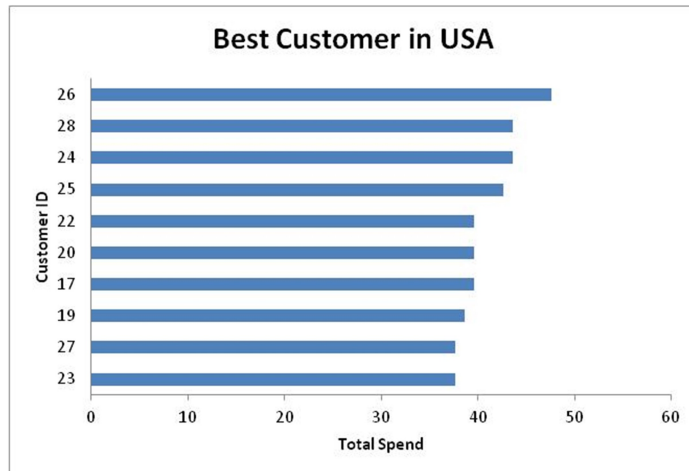


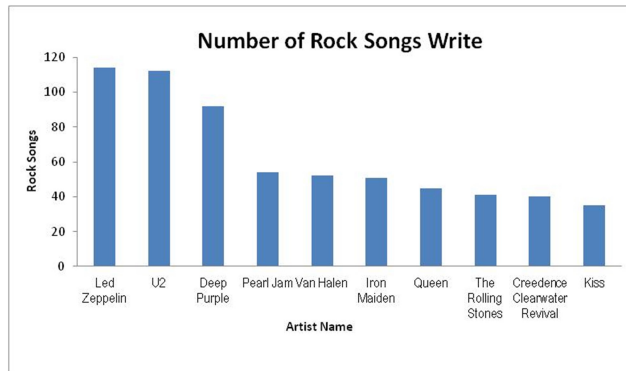
Best Customer in USA



We can see customer ID 26 spend most money is the best customer in USA. The rest of top 10 customer don't have significant differences on total spending.

```
SELECT c.CustomerId,SUM(inl.UnitPrice*inl.Quantity) total_spend
FROM Customer c
JOIN Invoice i
ON c.CustomerId=i.CustomerId
JOIN Invoiceline inl
ON inl.Invoiceid = i.InvoiceId
GROUP BY 1
HAVING c.Country='USA'
ORDER BY 2 DESC
LIMIT 10
```

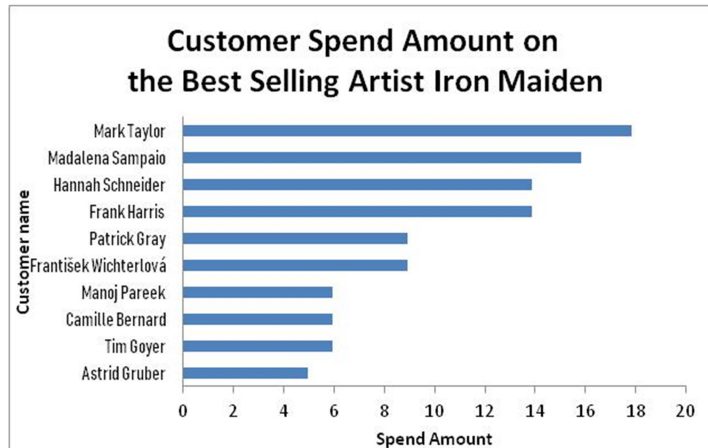
Number of Rock Songs Write



From the chart it shows Led Zeppelin write most rock songs. U2 almost have same amount of rock songs as Led zeppelin.

```
SELECT ar.ArtistId,ar.name,COUNT(t.Composer) as songs
FROM Artist ar
JOIN Album al
ON ar.ArtistId=al.ArtistId
JOIN Track t
ON t.AlbumId=al.AlbumId
JOIN Genre g
ON g.GenreId=t.GenreId
GROUP BY 1
ORDER BY 3 DESC
LIMIT 10
```

Customer Spend Amount on the Best Selling Artist Iron Maiden



From the chart we can see Mark Taylor spend nearly \$18 is the most spend customer who purchase artist Iron Maiden's song. Follow by Madalena Sampaio almost \$16.

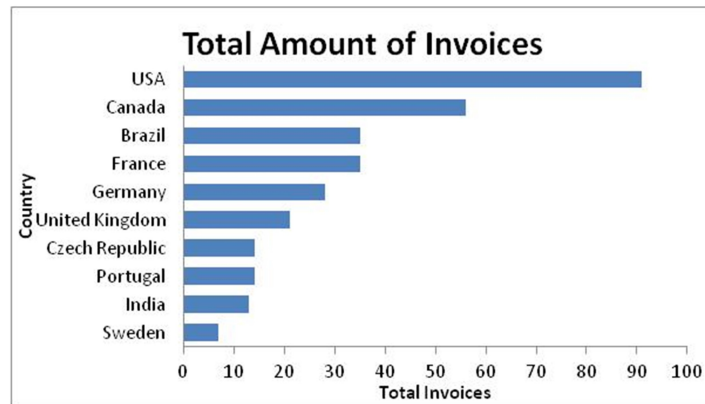
```

WITH T1 AS (SELECT a.Name AS artist_name, SUM(il.Quantity * il.UnitPrice) AS
AmountSpent, c.CustomerId, c.FirstName || ' ' || c.LastName AS customer_name

FROM Artist a
JOIN Album al
    ON a.ArtistId = al.ArtistId
JOIN Track t
    ON t.AlbumId = al.AlbumId
JOIN InvoiceLine il
    ON t.TrackId = il.TrackId
JOIN Invoice i
    ON il.InvoiceId = i.InvoiceId
JOIN Customer c
    ON c.CustomerId = i.CustomerId
GROUP BY 1,3),
T2 AS (SELECT a.Name AS artist_name, SUM(il.Quantity * il.UnitPrice) AS AmountSpent
FROM Artist a
JOIN Album al
    ON a.ArtistId = al.ArtistId
JOIN Track t
    ON t.AlbumId = al.AlbumId
JOIN InvoiceLine il
    ON t.TrackId = il.TrackId
GROUP BY 1
ORDER BY 2 DESC
LIMIT 1)
SELECT T1.*
FROM T1
JOIN T2
    ON T1.artist_name = T2.artist_name

```

Total Amount of Invoices



The bar chart on the left shows USA is has the most invoices as 91.

```
SELECT c.Country,COUNT(i.BillingCountry) Invoices
FROM Customer c
JOIN Invoice i
ON i.CustomerId=c.CustomerId
GROUP BY 1
ORDER BY 2 DESC
LIMIT 10
```