

Chinook Sample Database

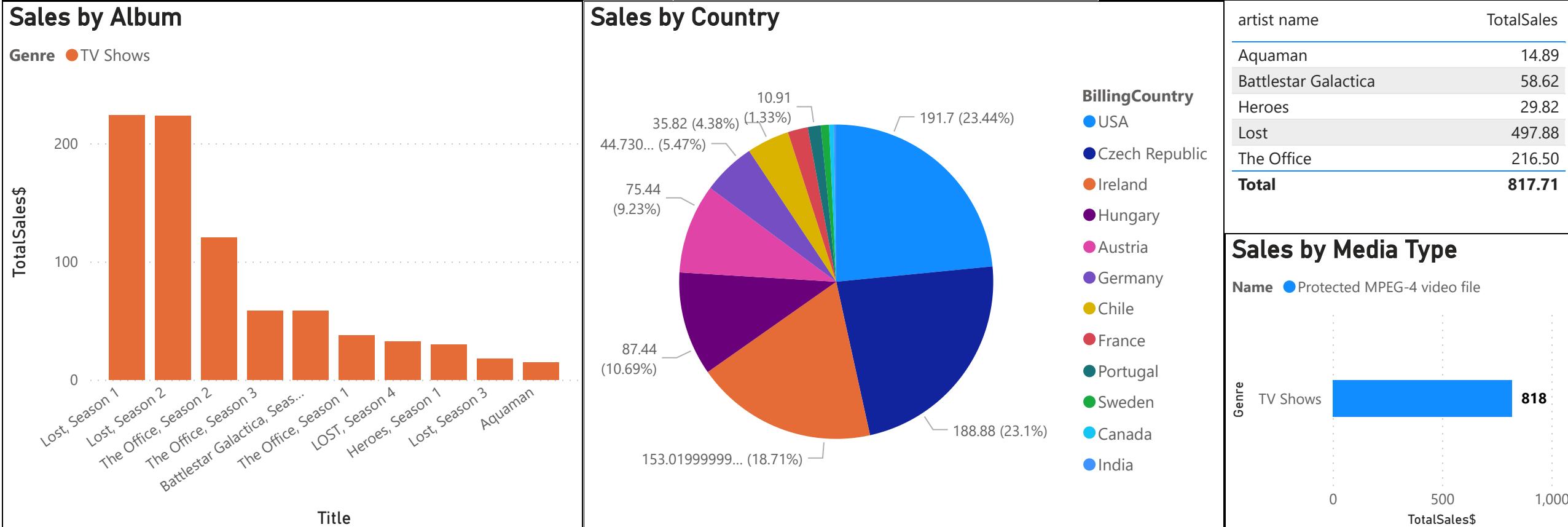
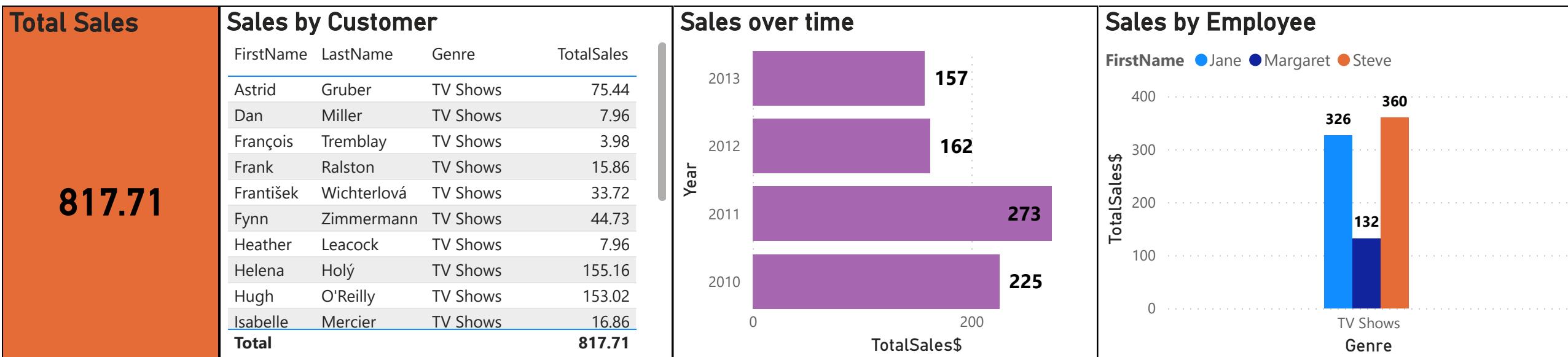
Deliverables:

- Data Visualizations for all questions Power BI

Analytical requirements: answer these business questions.

1. For the artist “Led Zeppelin” what are the:
 - a. Total sales
 - b. Sales by Country
 - c. Sales by Customer
 - d. Sales by Employee
 - e. Sales by Album
 - g. Sales by Genre
 - h. Sales by Media Type
 - i. Sales Over Time
2. For the genre “TV Shows” what are the:
 - a. Total sales
 - b. Sales by Country
 - c. Sales by Customer
 - d. Sales by Employee
 - e. Sales by Album
 - f. Sales by Artist
 - h. Sales by Media Type
 - i. Sales Over Time
3. Total sales \$ via Invoice
4. Total sales \$ via Invoiceline
5. Total tracks (songs) sold
6. Total sales \$ by customer’s country – ranked (sorted largest to smallest)
 - a. In data viz: provide comparison
 - b. In data viz: provide composition
 - c. In data viz: show sales on map
7. Total sales \$ by customer’s geo (country, state & city)
 - a. In data viz: need to drill down from country to city
8. Total sales \$ by customer (a person with last name & first name) – ranked (sorted largest to smallest)
9. Total sales \$ by company – ranked (sorted largest to smallest)

10. Total sales \$ by artist – ranked (sorted largest to smallest)
 - a. In data diz: All artists with sales
 - b. In data viz: Top 20 artists
11. Total sales \$ by album – ranked (sorted largest to smallest)
12. Total sales \$ by salesperson (employee)
 - a. In data viz: provide comparison
 - b. In data viz: provide composition
13. Total sales \$ by media type
 - a. In data viz: provide comparison
 - b. In data viz: provide composition
14. Total sales \$ by genre
 - a. In data viz: provide comparison
 - b. In data viz: provide composition
15. What are the total sales \$ by year
16. What are the total sales \$ by year-month
 - a. In data viz: provide comparison over time
17. What are the employees' name, birthday, hiredate, years of working with company (assume as of 2013-12-31), address, city, state, country, title, manager and manager's title
18. What are the total sales \$ by employee age at the time of the invoice date
19. What are the total sales \$ by employees who are in their 30s, 40s, 50s and 60s (employee age at the time of the invoice date)
20. For the employee "Peacock, Jane" what are the:
 - a. Total sales
 - b. Sales by Country
 - c. Sales by Customer
 - d. Sales by Album
 - e. Sales by Artist
 - f. Sales by Genre
 - g. Sales by Media Type
 - i. Sales Over Time
21. For the country "France" what are the:
 - a. Total sales
 - b. Sales by Customer
 - c. Sales by Employee
 - d. Sales by Album
 - e. Sales by Artist
 - f. Sales by Genre
 - g. Sales by Media Type
 - h. Sales Over Time



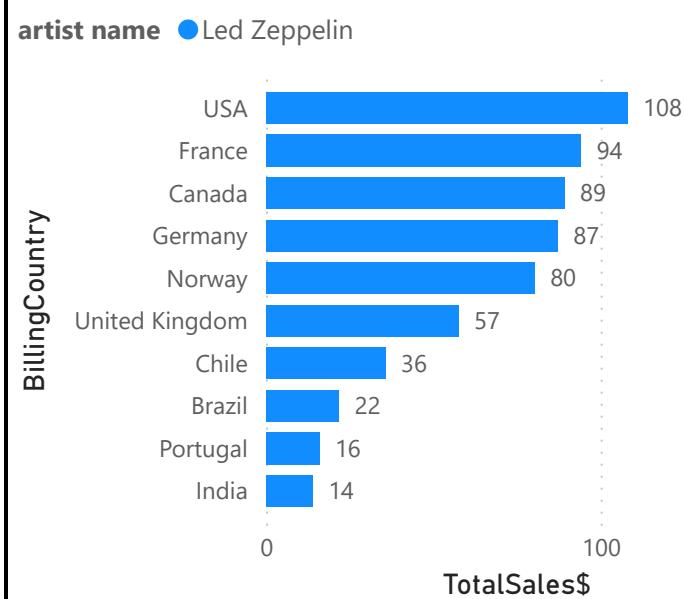
Total Sales

620.73

Sales by Customer

FirstName	LastName	TotalSales\$	artist name
Aaron	Mitchell	3.96	Led Zeppelin
Bjørn	Hansen	80.19	Led Zeppelin
Eduardo	Martins	3.96	Led Zeppelin
Edward	Francis	3.96	Led Zeppelin
Emma	Jones	27.72	Led Zeppelin
Frank	Ralston	44.55	Led Zeppelin
Fynn	Zimmermann	23.76	Led Zeppelin
Isabelle	Mercier	80.19	Led Zeppelin
Jennifer	Peterson	55.44	Led Zeppelin
Joakim	Johansson	3.96	Led Zeppelin
João	Fernandes	15.84	Led Zeppelin
Kara	Nielsen	0.99	Led Zeppelin
Total		620.73	

Sales by Country



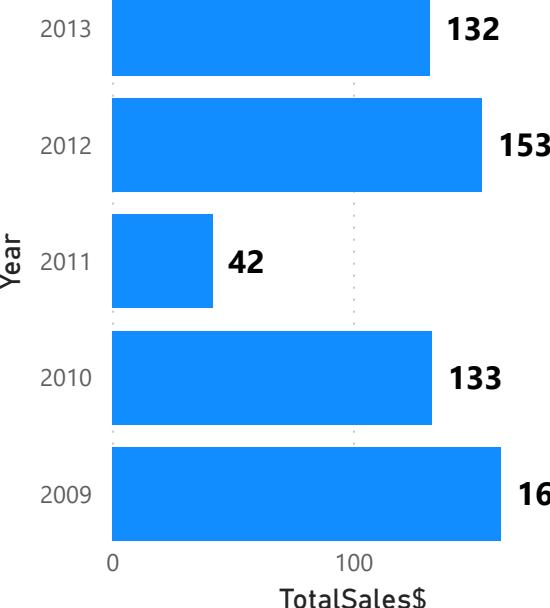
artist name	Name	TotalSales\$
Led Zeppelin	Rock	620.73
Total		620.73

Sales by Media Type



Sales over time

artist na... ● Led Zeppelin



Sales by Album

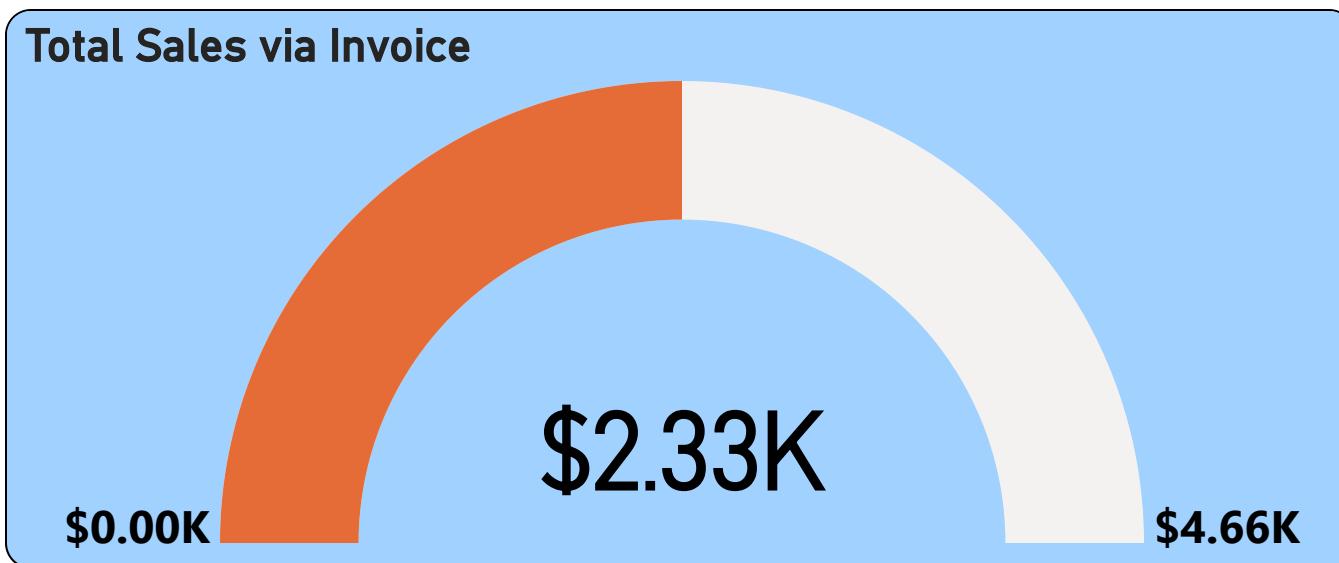
Title	Led Zeppelin	Total
BBC Sessions [Disc 1] [Live]	83.16	83.16
BBC Sessions [Disc 2] [Live]	55.44	55.44
Coda	39.60	39.60
Houses Of The Holy	39.60	39.60
In Through The Out Door	49.50	49.50
IV	34.65	34.65
Led Zeppelin I	45.54	45.54
Led Zeppelin II	52.47	52.47
Led Zeppelin III	66.33	66.33
Physical Graffiti [Disc 1]	22.77	22.77
Physical Graffiti [Disc 2]	43.56	43.56
Presence	38.61	38.61
The Song Remains The Same (Disc 1)	31.68	31.68
The Song Remains The Same (Disc 2)	17.82	17.82
Total	620.73	620.73

Sales by Employee

Led Zeppelin

Steve	147.51
Jane	364.32
Margaret	108.90

CHINOOK DATASET



Total Sales via InvoiceLine

2.33K

Total Sales Invoice line

Total Sales via InvoiceLine

0.00K

2.33K

4.66K

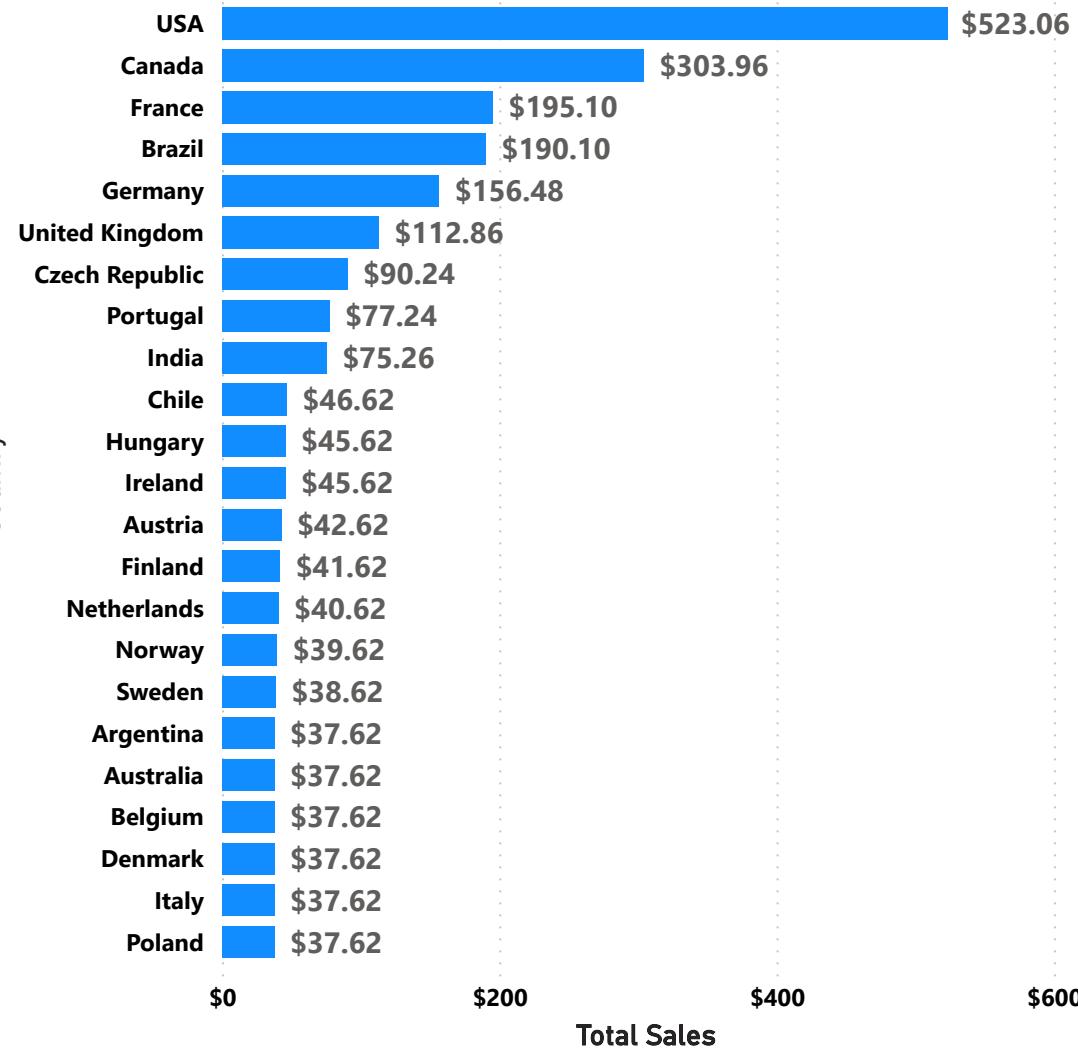
Total Tracks Sold

3503

Count of TrackId

- Country
- Select all
 - Argentina
 - Australia
 - Austria
 - Belgium
 - Brazil
 - Canada
 - Chile
 - Czech Republic
 - Denmark
 - Finland
 - France
 - Germany
 - Hungary
 - India
 - Ireland
 - Italy
 - Netherlands
 - Norway
 - Poland
 - Portugal
 - Spain
 - Sweden
 - United Kingdom
 - USA

Total Sales by Country Comparison

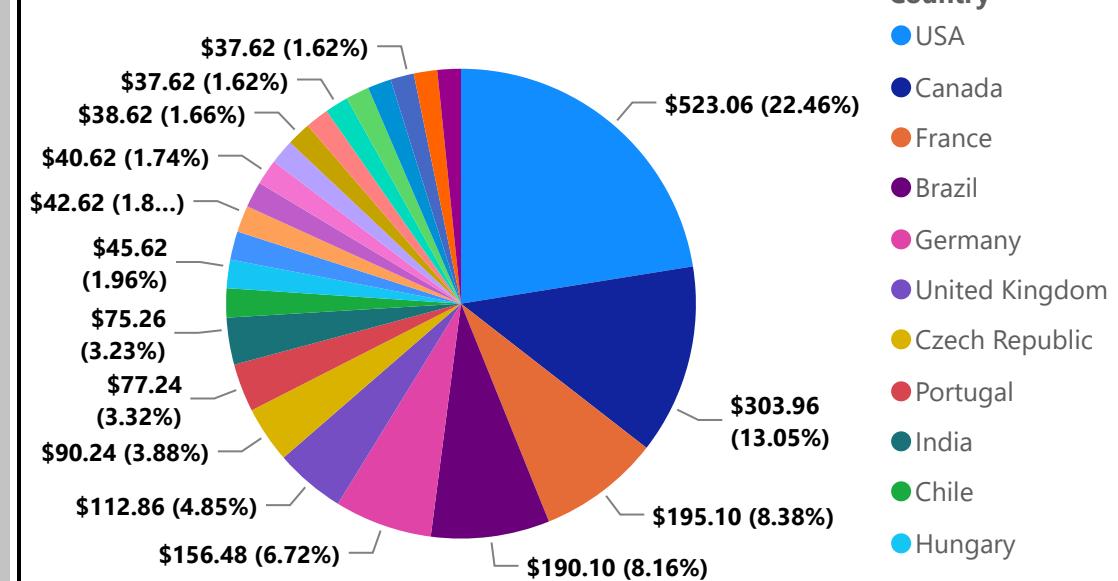


Total Sales by Country

\$2.33K

Total Sales

Total Sales by Country Composition



Total Sales by Country



- Country, State, City
- Select all
 - Argentina
 - Australia
 - Austria
 - Belgium
 - Brazil
 - Canada
 - Chile
 - Czech Republic
 - Denmark
 - Finland
 - France
 - Germany
 - Hungary
 - India
 - Ireland
 - Italy
 - Netherlands
 - Norway
 - Poland
 - Portugal
 - Spain
 - Sweden
 - United Kingdom
 - USA

Country

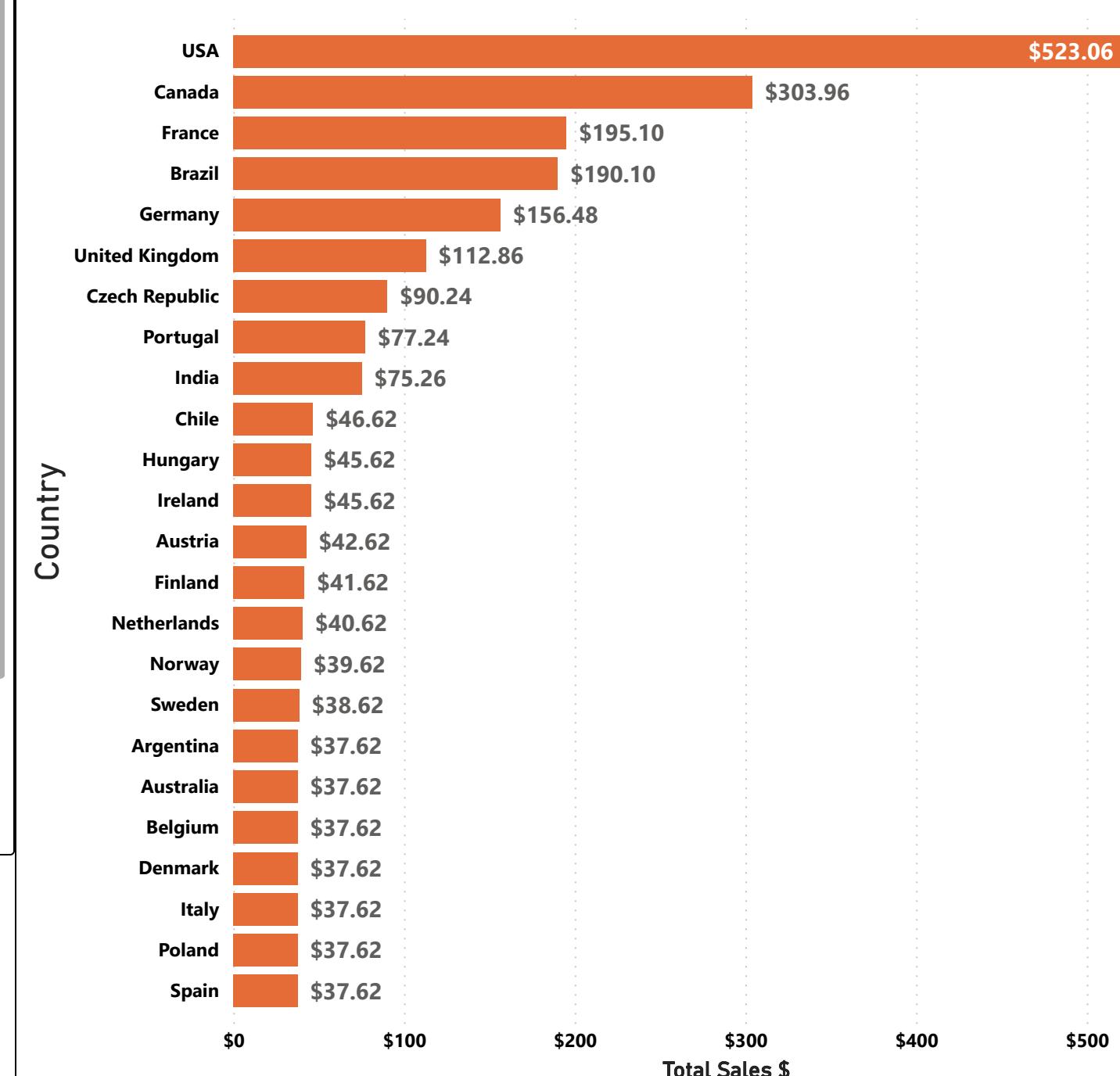
- Argentina
- Australia
- Austria
- Belgium
- Brazil
- Canada
- Chile
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Hungary
- India
- Ireland
- Italy
- Netherlands
- Norway
- Poland

Total Sales by Country

\$2.33K

Total Sales

Total Sales by Country,State,City Comparison



Total Sales by Customer

Last Name First Name Total Sales

Last Name	First Name	Total Sales
Holý	Helena	\$49.62
Cunningham	Richard	\$47.62
Rojas	Luis	\$46.62
Kovács	Ladislav	\$45.62
O'Reilly	Hugh	\$45.62
Barnett	Julia	\$43.62
Ralston	Frank	\$43.62
Zimmermann	Fynn	\$43.62
Gruber	Astrid	\$42.62
Stevens	Victor	\$42.62
Hämäläinen	Terhi	\$41.62
Mercier	Isabelle	\$40.62
Van der Berg	Johannes	\$40.62
Wichterlová	František	\$40.62
Fernandes	João	\$39.62
Girard	Wyatt	\$39.62
Gonçalves	Luís	\$39.62
Hansen	Bjørn	\$39.62
Leacock	Heather	\$39.62
Miller	Dan	\$39.62
Smith	Jack	\$39.62
Tremblay	François	\$39.62
Total		\$2,328.60

Total Sales by Customer

\$2.33K

Total Sales

Total Sales by Company

Company	Total Sales
	\$1,943.40
Apple Inc.	\$38.62
Banco do Brasil S.A.	\$37.62
Embraer - Empresa Brasileira de Aeronáutica S.A.	\$39.62
Google Inc.	\$37.62
JetBrains s.r.o.	\$40.62
Microsoft Corporation	\$39.62
Riotur	\$37.62
Rogers Canada	\$38.62
Telus	\$37.62
Woodstock Discos	\$37.62
Total	\$2,328.60

Total Sales by Company

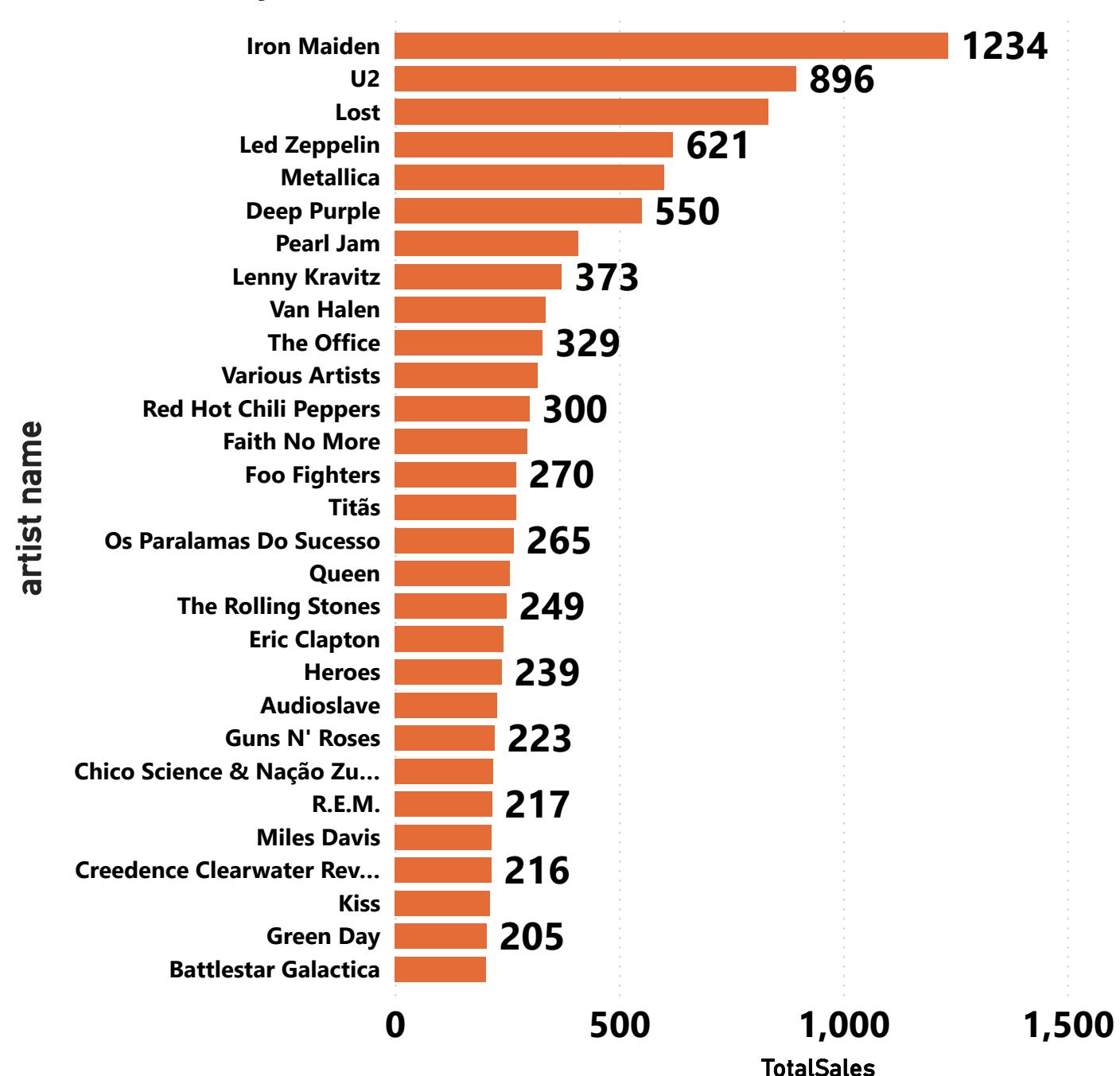
\$2.33K

Total Sales

Total Sales by Artist name Top 20

artist name	TotalSales
Iron Maiden	1,233.54
U2	895.59
Lost	833.70
Led Zeppelin	620.73
Metallica	599.94
Deep Purple	550.44
Pearl Jam	408.87
Lenny Kravitz	372.51
Van Halen	336.82
The Office	328.80
Various Artists	318.78
Red Hot Chili Peppers	299.97
Faith No More	296.01
Foo Fighters	270.27
Titãs	269.75
Os Paralamas Do Sucesso	265.32
Queen	256.41
The Rolling Stones	249.48
Eric Clapton	241.56
Heroes	238.61
Total	8,887.10

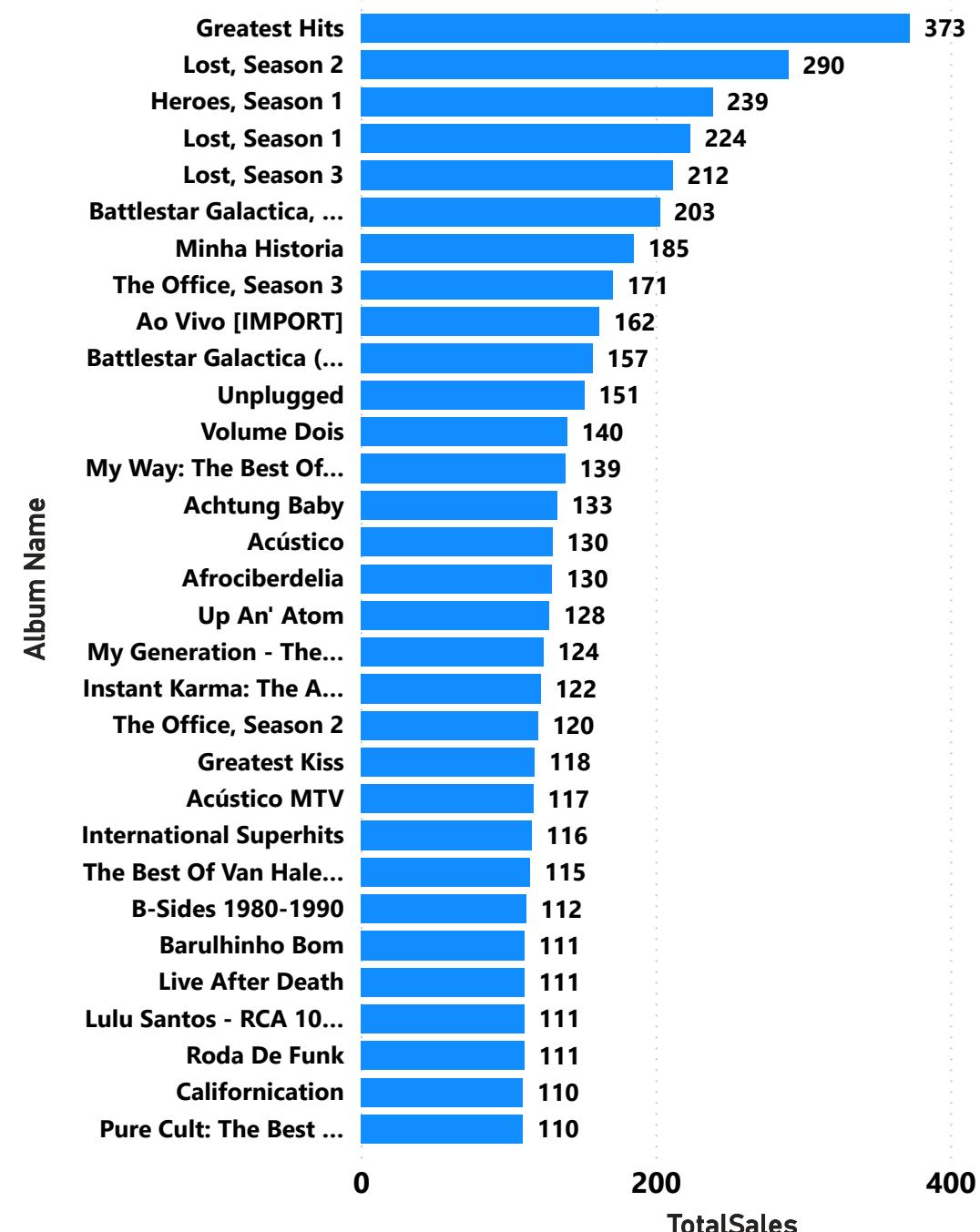
Total Sales by Artist name



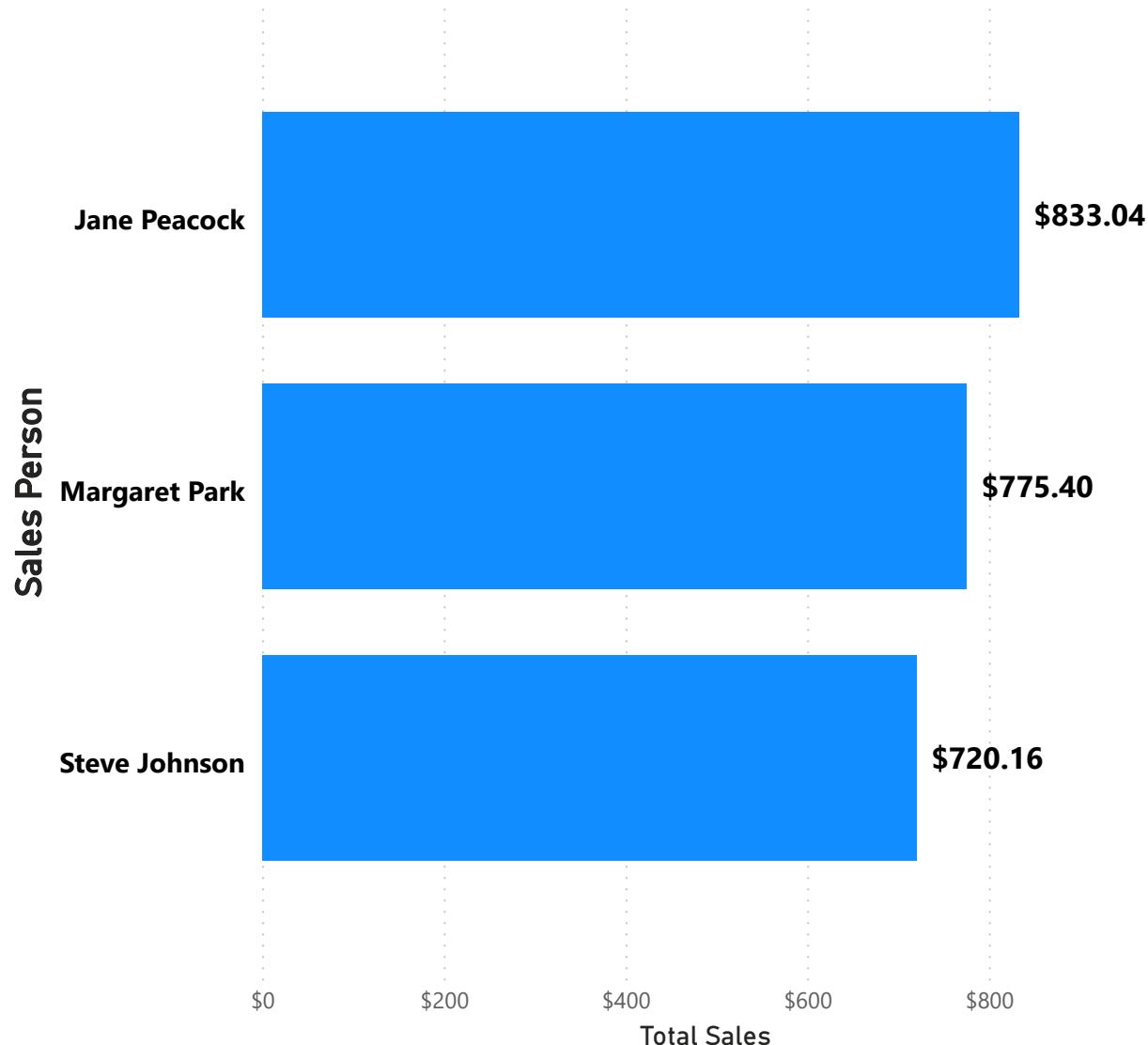
Total Sales by Album name

Album Name	TotalSales
Greatest Hits	372.51
Lost, Season 2	290.18
Heroes, Season 1	238.61
Lost, Season 1	223.65
Lost, Season 3	211.80
Battlestar Galactica, Season 3	202.80
Minha Historia	185.13
The Office, Season 3	170.93
Ao Vivo [IMPORT]	161.74
Battlestar Galactica (Classic), Season 1	157.10
Unplugged	151.47
Volume Dois	139.99
My Way: The Best Of Frank Sinatra [Disc 1]	138.60
Achtung Baby	133.16
Acústico	129.76
Afrociberdelia	129.69
Up An' Atom	127.71
My Generation - The Very Best Of The Who	123.75
Instant Karma: The Amnesty International Campaign to Save Darfur	121.94
Total	20,848.62

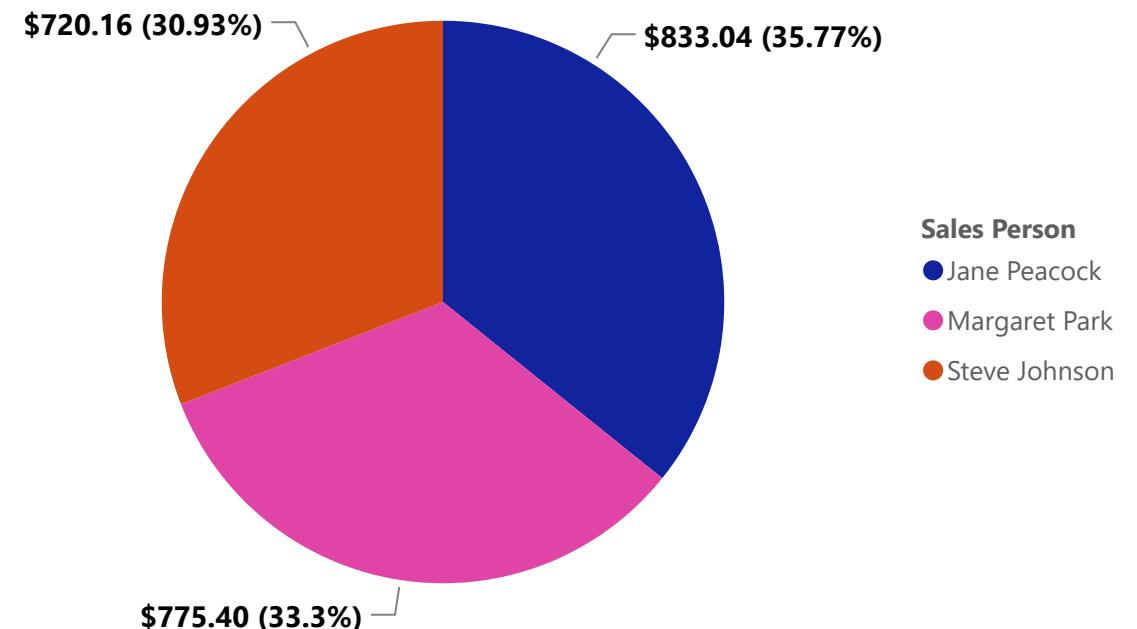
TotalSales by Album Name



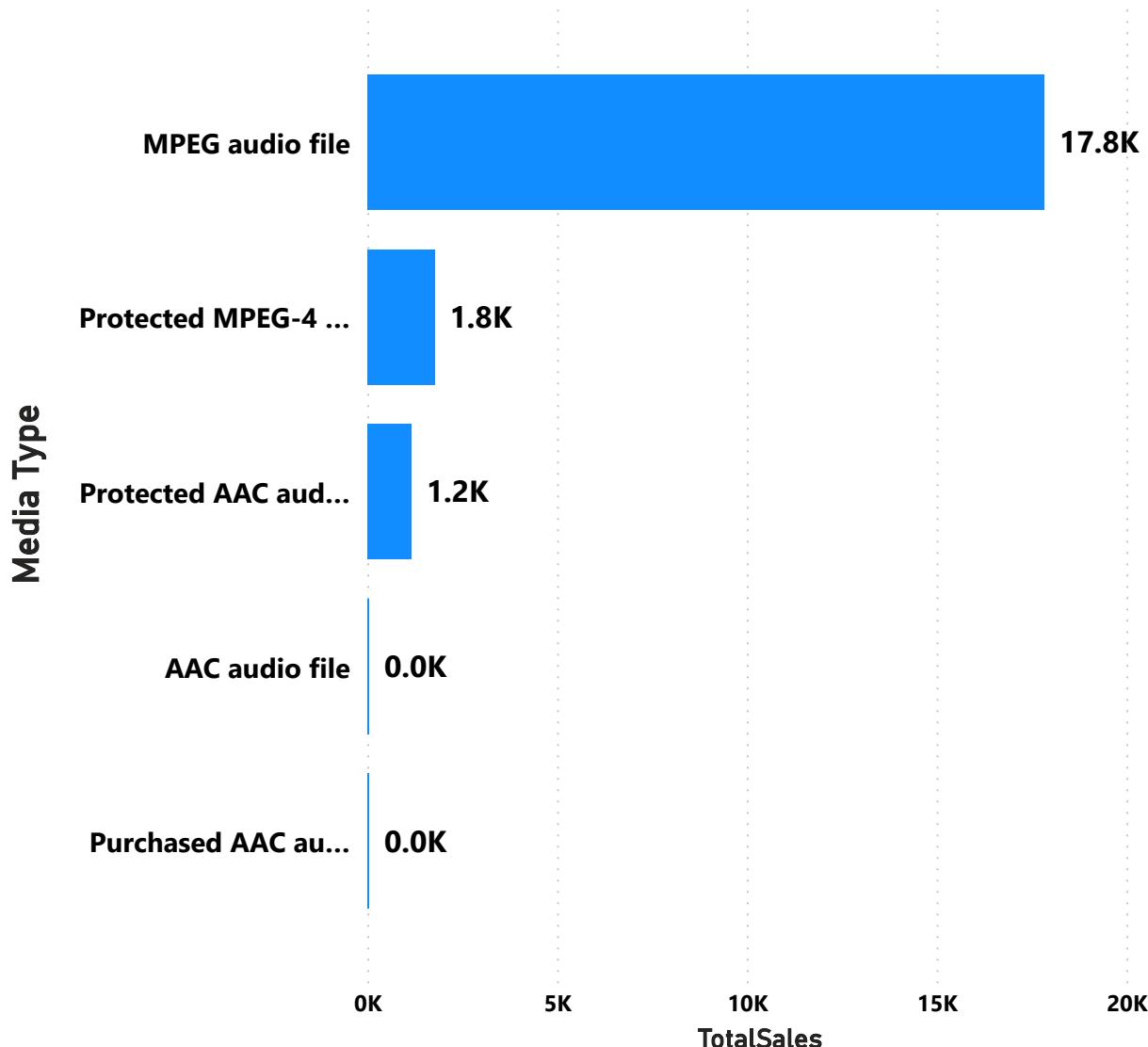
Total Sales by Sales Person Comparison



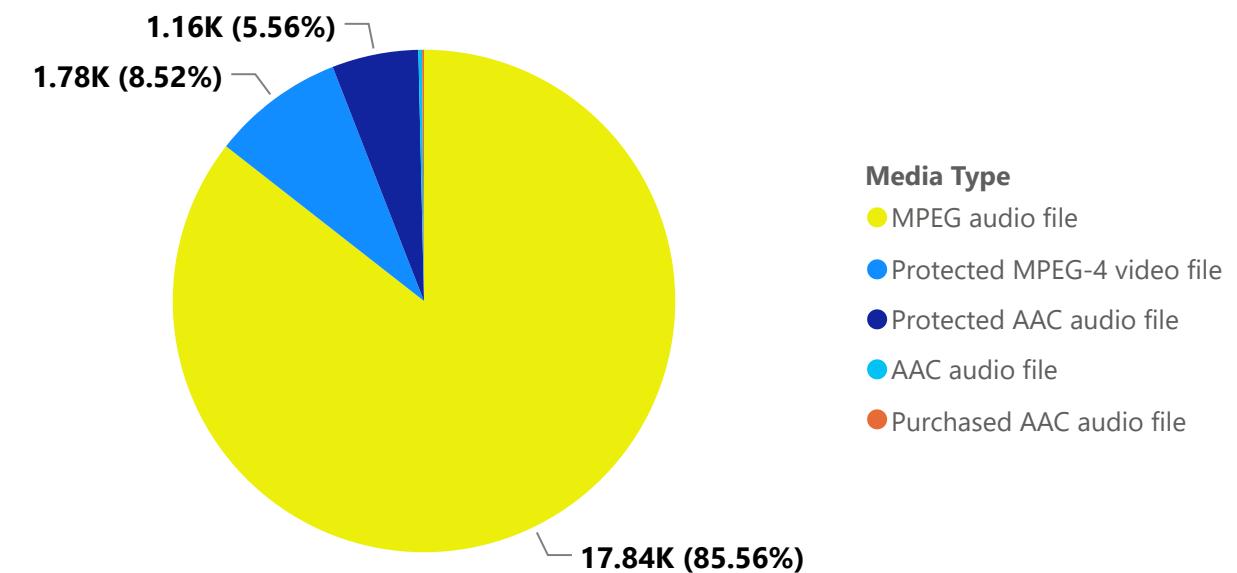
Total Sales by Sales Person Composition



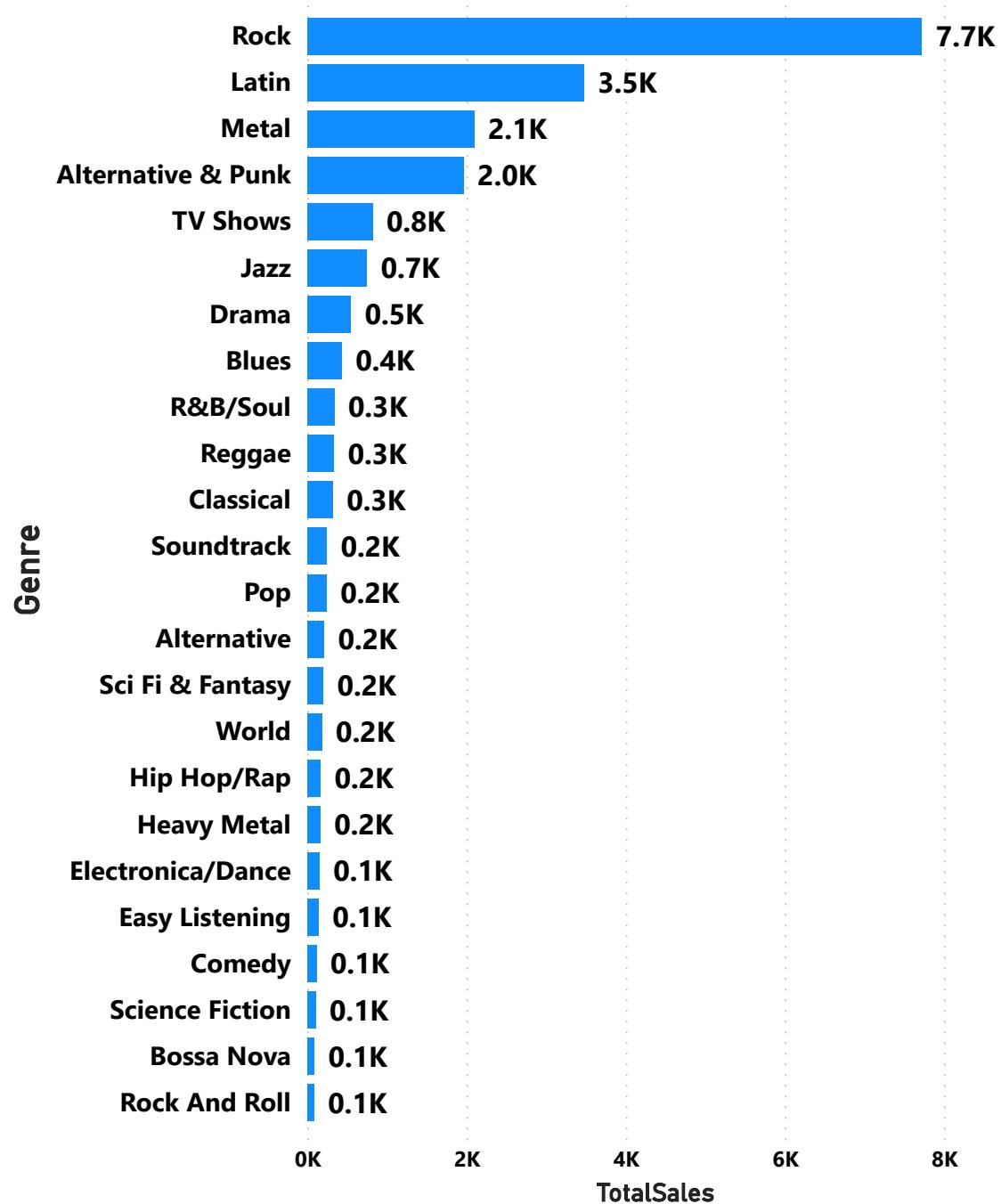
Total Sales by Media Type Comparison



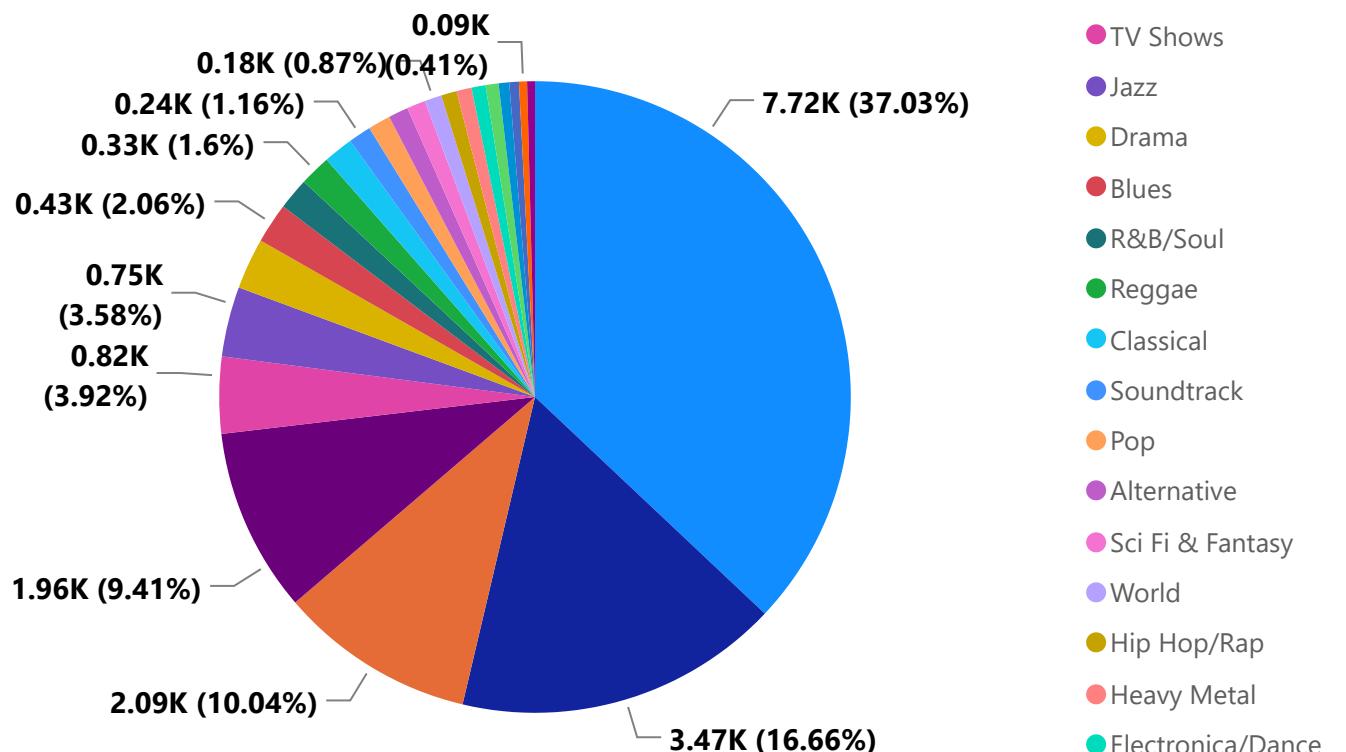
Total Sales by Media Type Composition



Total Sales by Genre Comparison

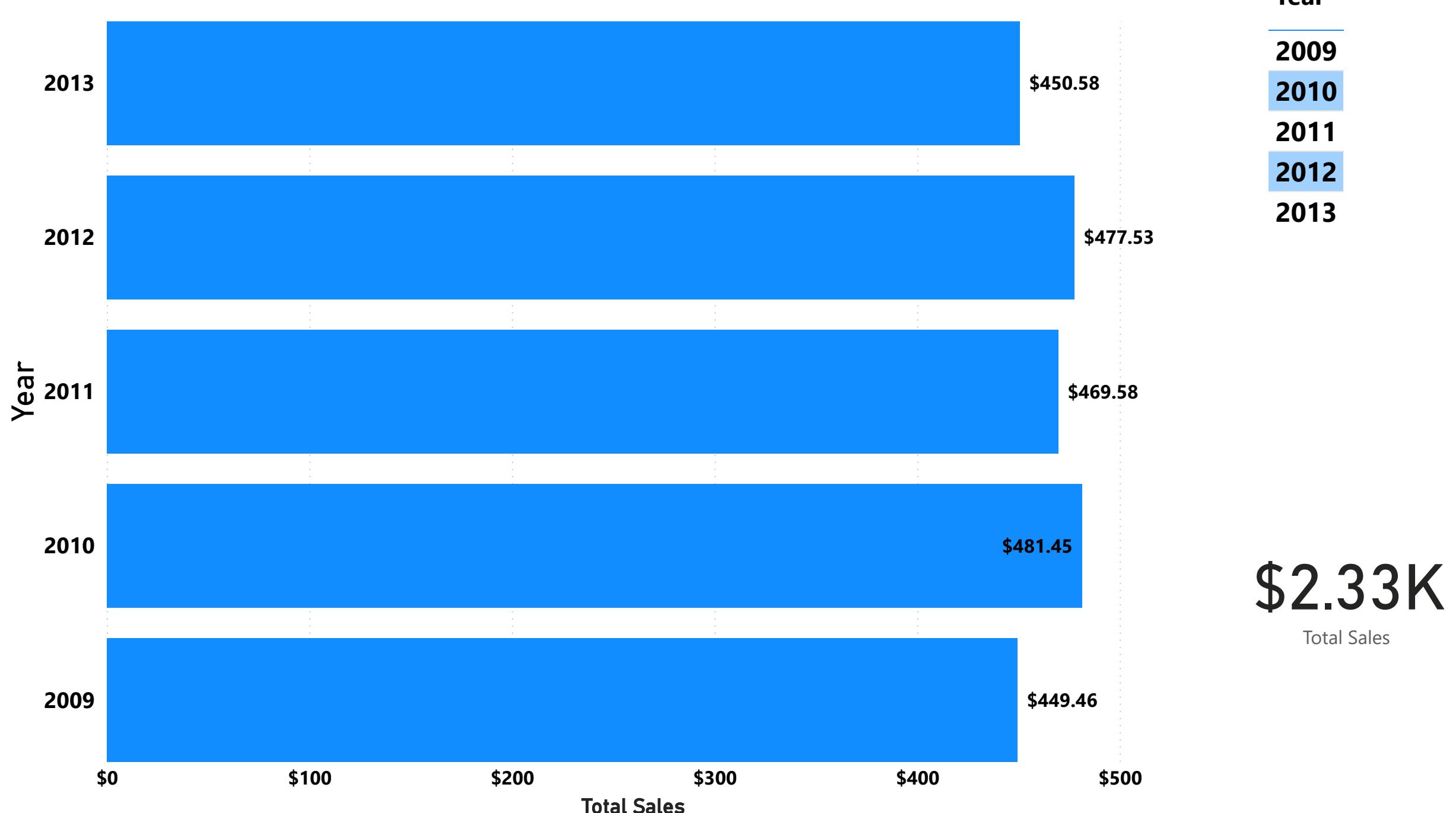


Total Sales by Genre Composition

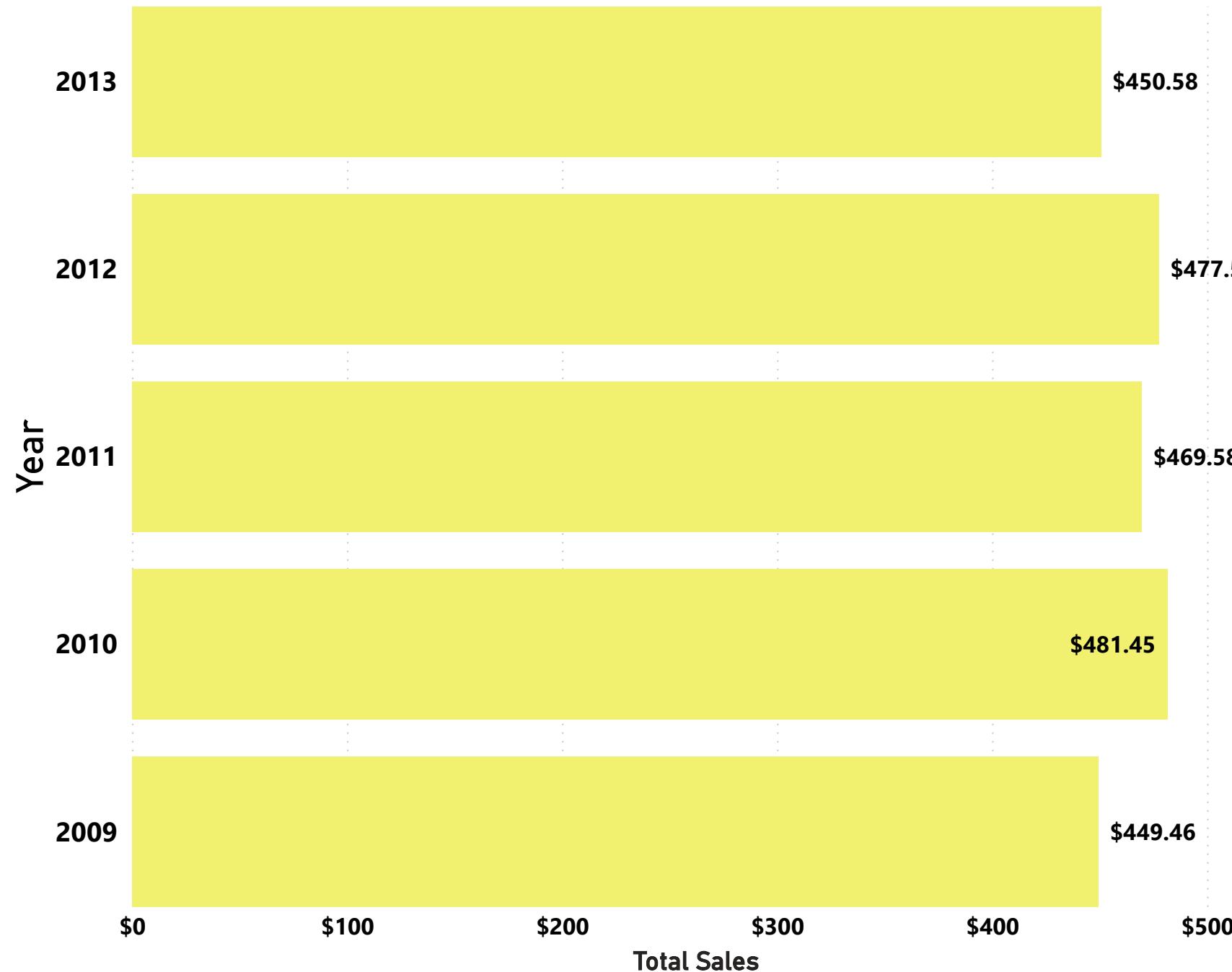


- Genre
- Rock
- Latin
- Metal
- Alternative & Punk
- TV Shows
- Jazz
- Drama
- Blues
- R&B/Soul
- Reggae
- Classical
- Soundtrack
- Pop
- Alternative
- Sci Fi & Fantasy
- World
- Hip Hop/Rap
- Heavy Metal
- Electronica/Dance
- Easy Listening
- Comedy
- Science Fiction
- Bossa Nova
- Rock And Roll

Total Sales by Year



Total Sales by Year



Year	Month	Total Sales
2009	January	\$35.64
2009	February	\$37.62
2009	March	\$37.62
2009	April	\$37.62
2009	May	\$37.62
2009	June	\$37.62
2009	July	\$37.62
2009	August	\$37.62
2009	September	\$37.62
2009	October	\$37.62
2009	November	\$37.62
2009	December	\$37.62
Total		\$2,328.60

\$2.33K
Total Sales

FirstName	LastName	Year	Quarter	Month	Day	Year	Quarter	Month	Day	work year	Address	City	State	Country
Andrew	Adams	1962	Qtr 1	February	18	2002	Qtr 3	August	14	12	11120 Jasper Ave NW	Edmonton	AB	Canada
Jane	Peacock	1973	Qtr 3	August	29	2002	Qtr 2	April	1	12	1111 6 Ave SW	Calgary	AB	Canada
Laura	Callahan	1968	Qtr 1	January	9	2004	Qtr 1	March	4	10	923 7 ST NW	Lethbridge	AB	Canada
Margaret	Park	1947	Qtr 3	September	19	2003	Qtr 2	May	3	11	683 10 Street SW	Calgary	AB	Canada
Michael	Mitchell	1973	Qtr 3	July	1	2003	Qtr 4	October	17	11	5827 Bowness Road NW	Calgary	AB	Canada
Nancy	Edwards	1958	Qtr 4	December	8	2002	Qtr 2	May	1	12	825 8 Ave SW	Calgary	AB	Canada
Robert	King	1970	Qtr 2	May	29	2004	Qtr 1	January	2	10	590 Columbia Boulevard West	Lethbridge	AB	Canada
Steve	Johnson	1965	Qtr 1	March	3	2003	Qtr 4	October	17	11	7727B 41 Ave	Calgary	AB	Canada

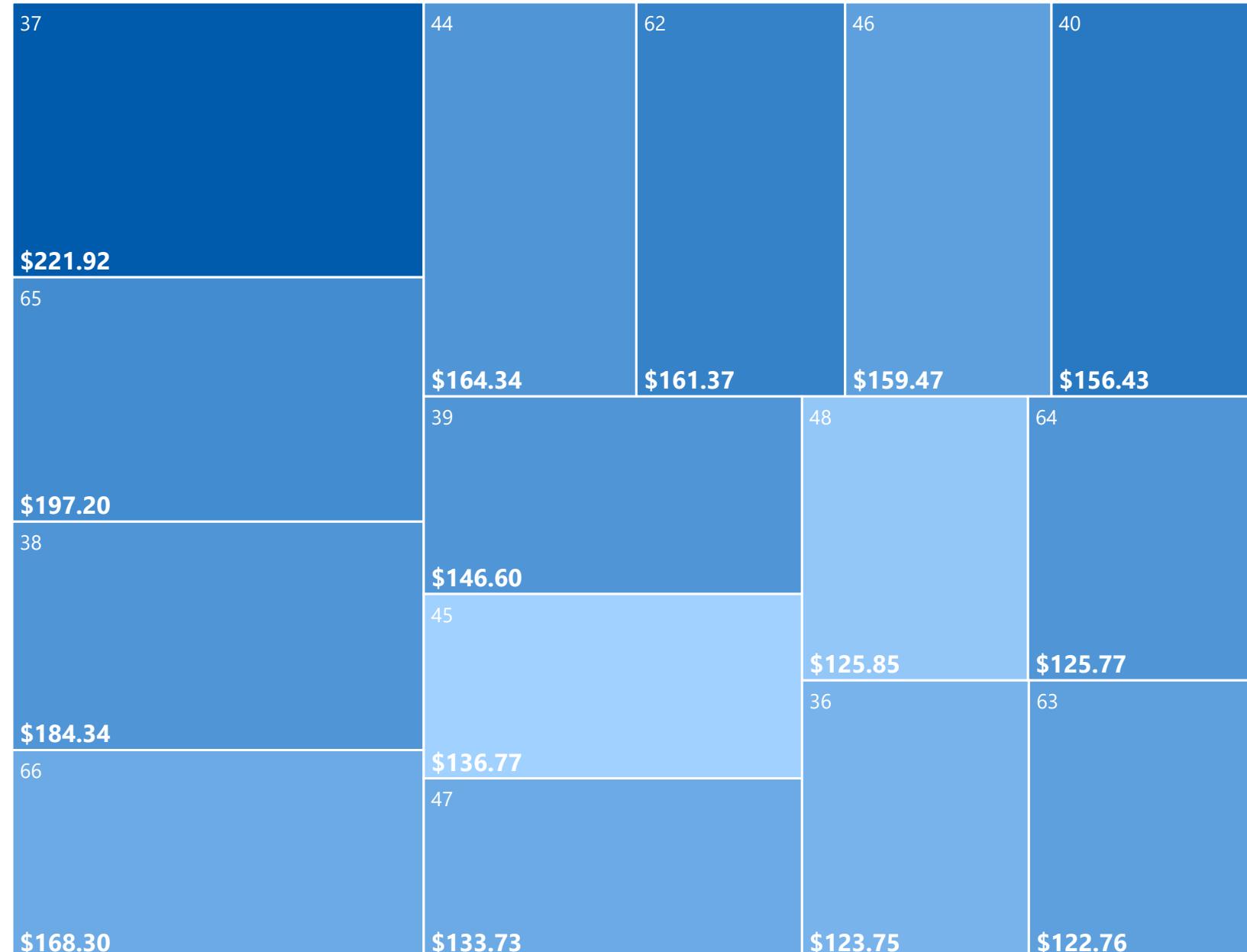
Total Sales by employee age

employee age Total Sales

▲	
36	\$123.75
37	\$221.92
38	\$184.34
39	\$146.60
40	\$156.43
44	\$164.34
45	\$136.77
46	\$159.47
47	\$133.73
48	\$125.85
62	\$161.37
63	\$122.76
64	\$125.77
65	\$197.20
66	\$168.30

Total Sales by employee age

employee age ● 37 ● 65 ● 38 ● 66 ● 44 ● 62 ● 46 ● 40 ● 39 ● 45 ● 47 ● 48 ● 64 ● 36 ● 63

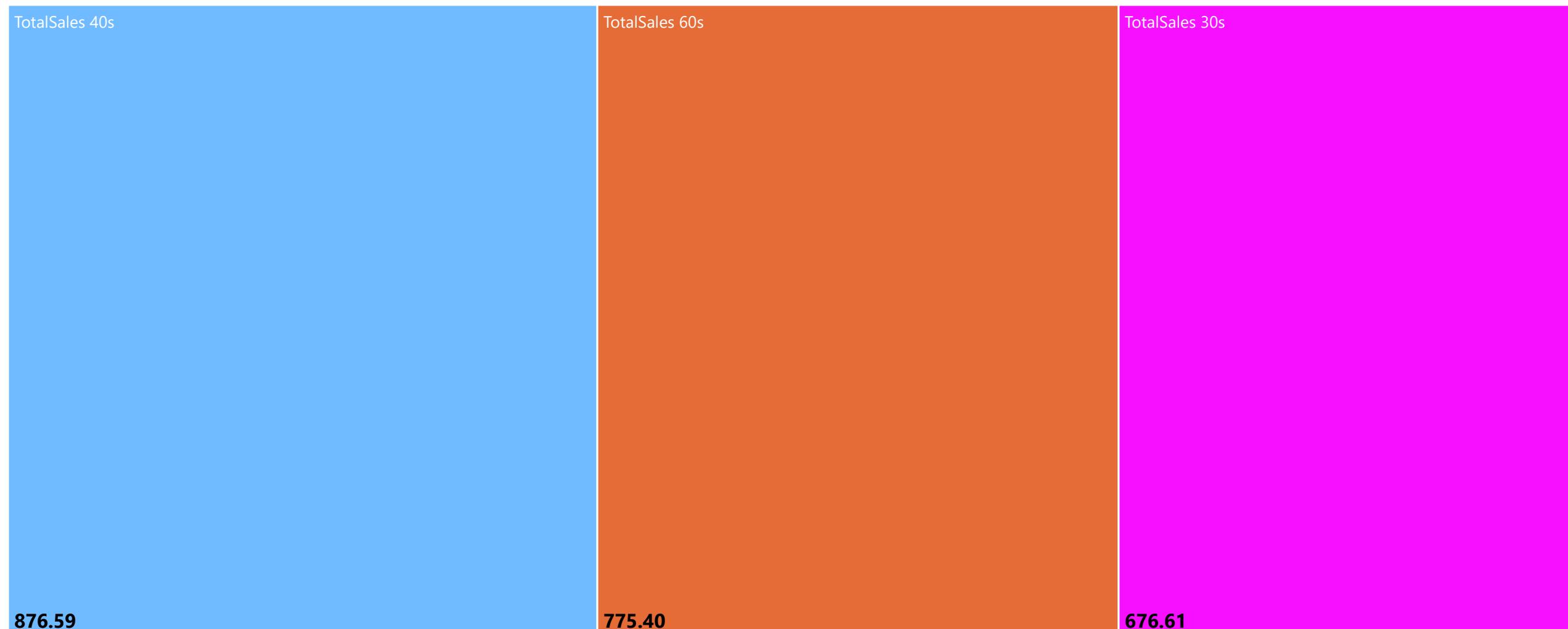


TotalSales 30s, TotalSales 40s, TotalSales 50s and TotalSales 60s

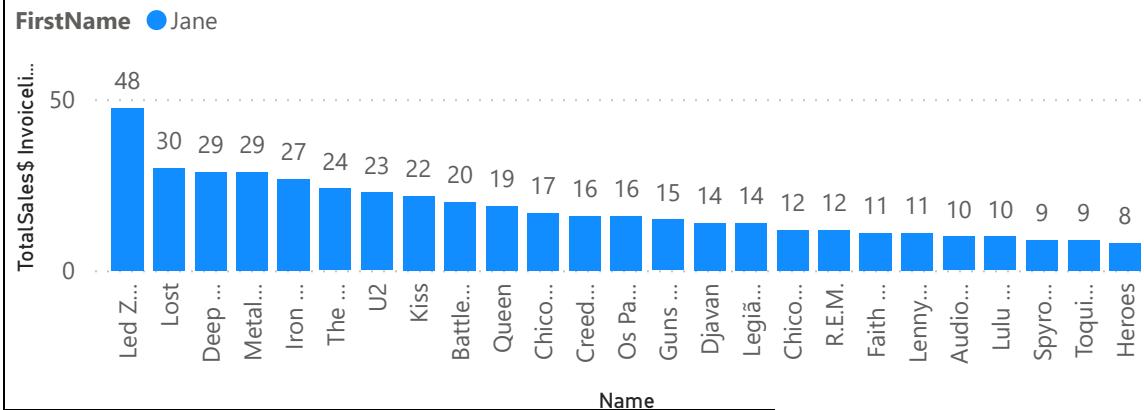
TotalSales 30s	TotalSales 40s	TotalSales 50s	TotalSales 60s
676.61	876.59	▼	775.40

TotalSales 30s, TotalSales 40s, TotalSales 50s and TotalSales 60s

● TotalSales 30s ● TotalSales 40s ● TotalSales 50s ● TotalSales 60s



Sales by Artist



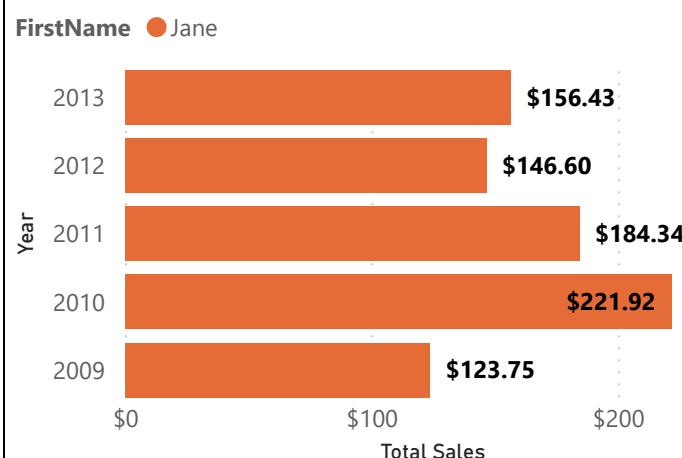
Sales by Album

Title	FirstName	LastName	TotalSales	InvoicelineId
...And Justice For All	Jane	Peacock	3.96	
[1997] Black Light Syndrome	Jane	Peacock	3.96	
20th Century Masters - The Millennium Collection: The Best of Scorpions	Jane	Peacock	1.98	
A Matter of Life and Death	Jane	Peacock	0.99	
A TempestadeTempestade Ou O Livro Dos Dias	Jane	Peacock	7.92	
Ace Of Spades	Jane	Peacock	0.99	
Achtung Baby	Jane	Peacock	0.99	
Total			833.04	

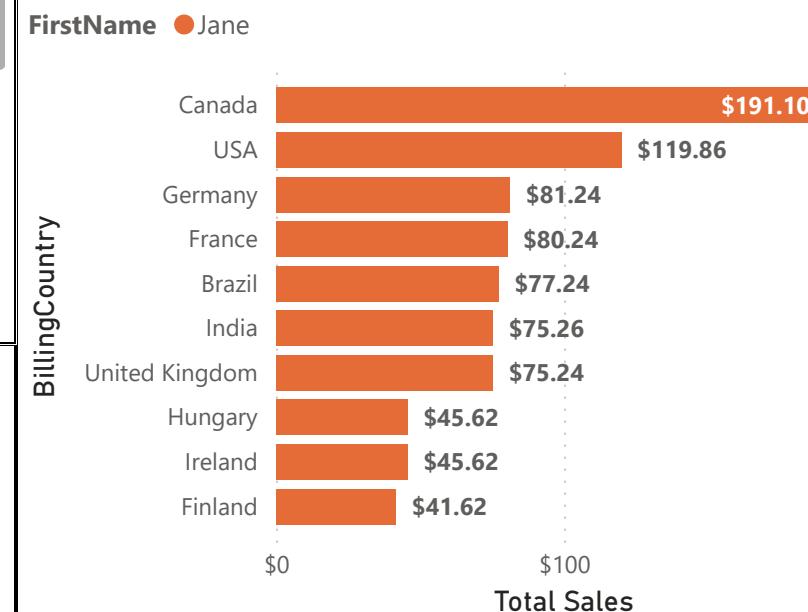
Sales by Genre

FirstName	Name	TotalSales	Invoiceline
Jane	Alternative	9.90	
Jane	Alternative & Punk	70.29	
Jane	Blues	18.81	
Jane	Bossa Nova	8.91	
Jane	Classical	18.81	
Jane	Comedy	11.94	
Total		833.04	

Sales over time



Sales by Country



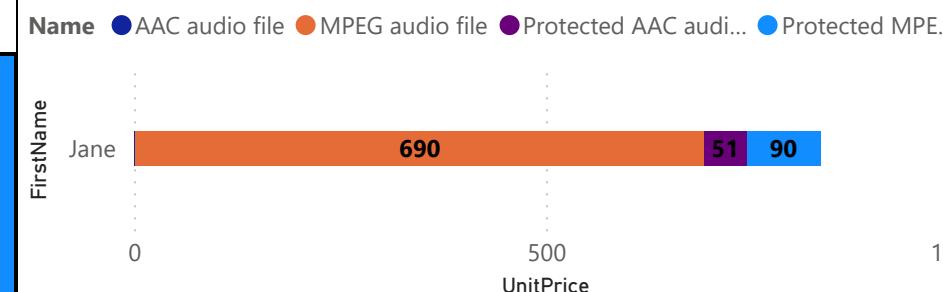
Total Sales

833.04

Sales by Customer

FirstName	LastName	FirstName	LastName	TotalSales	Invoiceline
Hugh	O'Reilly	Jane	Peacock	45.62	
Ladislav	Kovács	Jane	Peacock	45.62	
Frank	Ralston	Jane	Peacock	43.62	
Fynn	Zimmermann	Jane	Peacock	43.62	
Terhi	Hämäläinen	Jane	Peacock	41.62	
Isabelle	Mercier	Jane	Peacock	40.62	
François	Tremblay	Jane	Peacock	39.62	
Luís	Gonçalves	Jane	Peacock	39.62	
Wyatt	Girard	Jane	Peacock	39.62	
Jennifer	Peterson	Jane	Peacock	38.62	
Total				833.04	

Sales by Media Type



Sales by Album

Title	BillingCountry	TotalSales	Invoiceline
Chronicle, Vol. 1	France	6.93	
Minha Historia	France	6.93	
LOST, Season 4	France	5.97	
Body Count	France	5.94	
Greatest Hits II	France	4.95	
How To Dismantle An Atomic Bomb	France	4.95	
Battlestar Galactica (Classic), Season 1	France	3.98	
Chronicle, Vol. 2	France	3.96	
Acústico	France	2.97	
American Idiot	France	2.97	
Blood Sugar Sex Magik	France	2.97	
Californication	France	2.97	
Total		195.10	

Sales by Artist

BillingCountry	Name	TotalSales	Invoiceline
France	Creedence Clearwater Revival	10.89	
France	Led Zeppelin	9.90	
France	Metallica	9.90	
France	Various Artists	8.91	
France	Lost	7.96	
France	Red Hot Chili Peppers	7.92	
France	Chico Buarque	6.93	
France	Body Count	5.94	
France	Faith No More	5.94	
France	Iron Maiden	5.94	
France	Audioslave	4.95	
Total		195.10	

Sales by Genre

BillingCountry	Total Sales	Name
France	\$195.10	Alternative
France	\$195.10	Alternative & Punk
France	\$195.10	Blues
France	\$195.10	Bossa Nova
France	\$195.10	Classical
France	\$195.10	Drama
France	\$195.10	Electronica/Dance
France	\$195.10	Hip Hop/Rap
France	\$195.10	Jazz
France	\$195.10	Latin
France	\$195.10	Metal
France	\$195.10	Pop
Total	\$195.10	

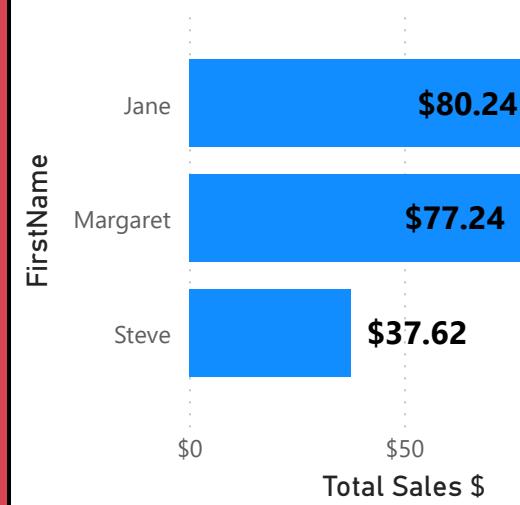
Sales by Customer

Isabelle	Camille	Dominique
Mercier \$40.62		
Wyatt	Bernard \$38.62	Lefebvre \$38.62
	Marc	
Girard \$39.62	Dubois \$37.62	

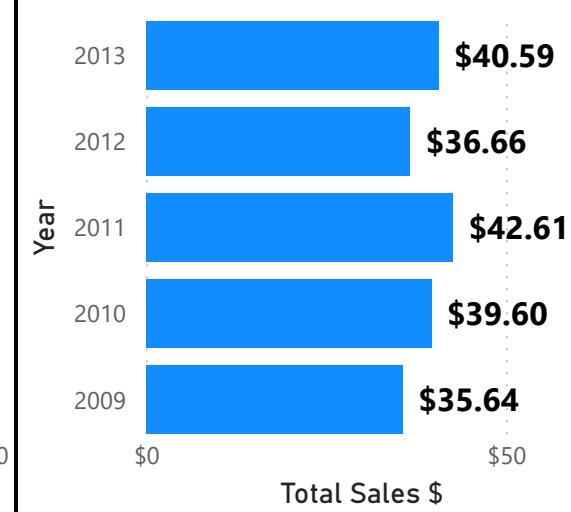
Total Sales

\$195.10

Sales by Employee



Sales over time



Name	AAC audio file	MPEG audio file	Protected AAC audio file	Protected MPEG-4 video file	Purchase
BillingCountry	UnitPrice	Total Sales \$	UnitPrice	Total Sales \$	UnitPrice
France	0.99	\$195.10	163.35	\$195.10	14.85
Total	0.99	\$195.10	163.35	\$195.10	14.85