

WALMART SALES REPORT

Hi FOLKS

My name is **Amit**. I am excited to share my latest project on **Walmart store sales Analysis using SQL**.

Through This project , I was able to uncover trends and insights from within the data,

I hope You find this analysis as insightful and engaging as I did.
Thank you for taking the time to explore my work.

BY AMIT



THE MAIN QUIRIES WE ARE LOOKING AT

- How many unique cities does the data have
- In which city is each branch
- how many unique product lines does the data have
- what is the most common payment method
- what is the most selling product line
- what is total revenue by month
- what month had largest cogs
- which product line had largest revenue
- which city have largest revenue
- which product line had the largest vat
- which branch sold more products than average product sold
- what is the most common product line by gender
- what is the averge rating of each product line
- Number of sales made in each time of the day per weekday
- which of the customer types brings the most revenue
- which city has the largest tax percent/VAT
- which customer types pays the most in vat
- how many unique customer type does the data have
- how many unique payment methods does the data have
- what is the most common customer type
- which customer type buys the most
- what is the gender of most of the customers
- what is gender distribution of branch
- what time of the day do customers give most rating
- what time of the day do customers give most rating per branch
- which day of the week has the best avg rating
- which day of the week has the best average ratings per branch

BY AMIT

How many unique cities does the data have ?

```
SELECT DISTINCT  
  city  
FROM  
  sales;
```

	city
▶	Yangon
	Naypyitaw
	Mandalay

IN WHICH CITY IS EACH BRANCH

```
SELECT DISTINCT
    city, branch
FROM
    sales;
```

	city	branch
►	Yangon	A
	Naypyitaw	C
	Mandalay	B

how many unique product lines does the data have

```
SELECT DISTINCT  
  count(distinct product_line) as Product_Line  
FROM  
  sales;
```

	Product_Line
▶	6

BY AMIT



what is the most common payment method

```
SELECT
    payment_method, COUNT(payment_method) as payment_method
FROM
    sales
GROUP BY payment_method
order by payment_method desc ;
```

	payment_method	payment_method
►	Cash	344
	Ewallet	342
	Credit card	309



what is the most selling product line

```
SELECT
    product_line, COUNT(product_line) as cnt
FROM
    sales
GROUP BY product_line
order by cnt desc;
```

	product_line	cnt
►	Fashion accessories	178
	Food and beverages	174
	Electronic accessories	169
	Sports and travel	163
	Home and lifestyle	160
	Health and beauty	151

what is total revenue by month

```
SELECT
    month_name AS month,
    sum(total) as total_revenue
FROM
    sales
group by month_name
order by total_revenue;
```

	month	total_revenue
▶	February	95727.3765
	March	108867.1500
	January	116291.8680

what month had largest cogs

```
SELECT
    month_name AS month, SUM(cogs) AS cogs
FROM
    sales
GROUP BY month_name
ORDER BY cogs DESC;
```

	month	cogs
▶	January	110754.16
	March	103683.00
	February	91168.93

BY AMIT



WHICH PRODUCT LINE HAD LARGEST REVENUE

```
SELECT
    product_line, SUM(total) AS total_revenue
FROM
    sales
GROUP BY product_line
ORDER BY total_revenue desc;
```

	product_line	total_revenue
►	Food and beverages	56144.8440
	Fashion accessories	54305.8950
	Sports and travel	53936.1270
	Home and lifestyle	53861.9130
	Electronic accessories	53783.2365
	Health and beauty	48854.3790

WHICH PRODUCT LINE HAD THE LARGEST VAT

```
SELECT
    product_line, AVG(VAT) AS avg_tax
FROM
    sales
GROUP BY product_line
ORDER BY avg_tax DESC;
```

	product_line	avg_tax
▶	Home and lifestyle	16.03033124
	Sports and travel	15.75697549
	Health and beauty	15.40661591
	Food and beverages	15.36531029
	Electronic accessories	15.15447632
	Fashion accessories	14.52806181

WHICH CITY HAVE LARGEST REVENUE

```
SELECT  
    branch, city, SUM(total) AS total_revenue  
FROM  
    sales  
GROUP BY city , branch  
ORDER BY total_revenue DESC;
```

	branch	city	total_revenue
▶	C	Naypyitaw	110490.7755
	A	Yangon	105861.0105
	B	Mandalay	104534.6085

WHICH BRANCH SOLD MORE PRODUCTS THAN AVERAGE PRODUCT SOLD

```
SELECT
    branch, SUM(quantity) AS qty
FROM
    sales
GROUP BY branch
HAVING SUM(quantity) > (SELECT
    AVG(quantity)
    FROM
    sales);
```

	branch	qty
▶	A	1849
	C	1828
	B	1795

BY AMIT



what is the most common product line by gender

```
SELECT
    gender, product_line, COUNT(gender) AS total_cnt
FROM
    sales
GROUP BY gender , product_line
ORDER BY total_cnt DESC;
```

	gender	product_line	total_cnt
►	Female	Fashion accessories	96
	Female	Food and beverages	90
	Male	Health and beauty	88
	Female	Sports and travel	86
	Male	Electronic accessories	86
	Male	Food and beverages	84
	Female	Electronic accessories	83

BY AMIT



what is the average rating of each product line

```
SELECT
    round(AVG(rating), 2) AS avg_rating, product_line
FROM
    sales
GROUP BY product_line
ORDER BY avg_rating DESC;
```

	avg_rating	product_line
►	7.11	Food and beverages
	7.03	Fashion accessories
	6.98	Health and beauty
	6.91	Electronic accessories
	6.86	Sports and travel
	6.84	Home and lifestyle

BY AMIT

Number of sales made in each time of the day per weekday

```
SELECT
    time_of_days,
    COUNT(*) AS total_sales
FROM
    sales
WHERE
    day_name = "Monday"
GROUP BY time_of_days
ORDER BY total_sales DESC;
```

	time_of_days	total_sales
▶	evening	56
	afternoon	48
	morning	20

BY AMIT

which of the customer types brings the most revenue

```
SELECT
    customer_type, SUM(total) AS total_rev
FROM
    sales
GROUP BY customer_type
ORDER BY total_rev DESC;
```

	customer_type	total_rev
▶	Member	163625.1015
	Normal	157261.2930

BY AMIT



which city has the largest tax percent/VAT

```
SELECT
    city, AVG(VAT) AS VAT
FROM
    sales
GROUP BY city
ORDER BY VAT DESC;
```

	city	VAT
►	Naypyitaw	16.09010850
	Mandalay	15.13020824
	Yangon	14.87020798



which customer types pays the most in vat

```
SELECT
    customer_type, AVG(VAT) AS VAT
FROM
    sales
GROUP BY customer_type
ORDER BY VAT DESC;
```

	customer_type	VAT
▶	Member	15.61457214
	Normal	15.09805040

BY AMIT



how many unique customer type does the data have

```
SELECT DISTINCT
  customer_type
FROM
  sales;
```

	customer_type
▶	Normal
	Member



how many unique payment methods does the data have

```
SELECT DISTINCT  
    payment_method  
FROM  
    sales;
```

	payment_method
▶	Credit card
	Ewallet
	Cash

BY AMIT

which customer type buys the most

```
SELECT
    customer_type, COUNT(*) AS customer_count
FROM
    sales
GROUP BY customer_type
ORDER BY customer_type DESC;
```

	customer_type	customer_count
▶	Normal	496
	Member	499

BY AMIT



what is the gender of most of the customers

```
SELECT
    gender, COUNT(*) AS gender_cnt
FROM
    sales
GROUP BY gender
ORDER BY gender_cnt DESC;
```

	gender	gender_cnt
▶	Male	498
	Female	497

BY AMIT



what is gender distribution of branch

```
SELECT
    gender, COUNT(*) AS gender_cnt
FROM
    sales
where branch = "C"
group by gender
ORDER BY gender_cnt DESC;
```

	gender	gender_cnt
►	Female	177
	Male	150



what time of the day do customers give most rating



```
SELECT
    time_of_days, AVG(rating) AS avg_rating
FROM
    sales
GROUP BY time_of_days
ORDER BY avg_rating DESC;
```

	time_of_days	avg_rating
▶	afternoon	7.02340
	morning	6.94474
	evening	6.90536

BY AMIT



which day of the week has the best avg rating

```
SELECT
    day_name, AVG(rating) AS avg_rating
FROM
    sales
GROUP BY day_name
ORDER BY avg_rating DESC;
```

	day_name	avg_rating
►	Monday	7.13065
	Friday	7.05507
	Tuesday	7.00316
	Sunday	6.98864
	Saturday	6.90183
	Thursday	6.88986
	Wednesday	6.76028

BY AMIT



which day of the week has the best average ratings per branch

```
SELECT
    day_name, AVG(rating) AS avg_rating
FROM
    sales
WHERE
    branch = "A"
GROUP BY day_name
ORDER BY avg_rating DESC;
```

	day_name	avg_rating
►	Friday	7.31200
	Monday	7.09792
	Sunday	7.07885
	Tuesday	7.05882
	Thursday	6.95870
	Wednesday	6.84286
	Saturday	6.74600



BY AMIT

CONTACT ME



+91 6354399293



yaduvanshiamit10x@gmail.com



Basti

BY AMIT

THANK YOU

BY AMIT

