## Firstly I have used the following query to get the required data from MYSQL.

In the query, i have table Orders with orderdetails, products, productline, customers, payments, employees and office.

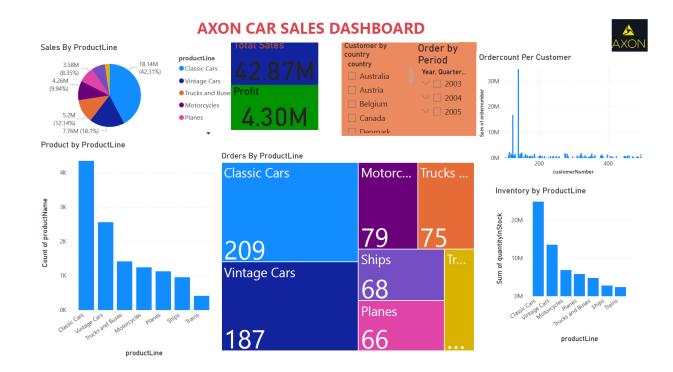
After that, i have exports the csv files and load into the Power BI to get car sales insights.

```
The SQL query is as follows:
select
o.orderDate,
o.shippedDate,
o.ordernumber,
o.status,
o.customerNumber,
/*od.productCode */
                            /*--optional */
od.quantityOrdered as Qty,
od.priceEach,
p.productCode,
substring(p.productDescription,1,10),
p.productName,
p.productLine,
p.MSRP,
p.quantityInStock,
pl.textDescription,
c.customerName,
c.country,
c.creditLimit,
c.addressLine1,
c.state,
```

```
c.salesRepEmployeeNumber,
p2.paymentDate,
p2.checkNumber,
p2.amount,
emp.firstName,
emp.lastName,
emp.jobTitle,
off.addressLine1,
off.city,
off.country
from orders o
inner join orderdetails od on o.orderNumber=od.orderNumber
inner join products p on p.productCode=od.productcode
inner join productlines pl on pl.productLine=p.productLine
inner join customers c on c.customerNumber=o.customerNumber
inner join payments p2 on p2.customerNumber=c.customerNumber
inner join employees emp on c.salesRepEmployeeNumber=emp.employeeNumber
inner join offices off on off.officeCode=emp.officeCode
/*WHERE c.customerNumber = 448 */
/* P.productCode IN ('S12_3148', 'S12_4473') */
```

## **Dashboard Details**

- 1. Here i have made the first layout describing the Sales of car based on Product lines.
- 2. In 2<sup>nd</sup> layout, i have shown cards having total sales and the Profit achieved.
- 3. In 3rd layout, i have shown slicers where Customer country details are shown and Orders based on Date hierarchy is shown.
- 4. In 4<sup>th</sup> layout showing how many orders per customer.
- 5. IN 5<sup>th</sup> layout shows the count of Products corresponding to each productLine.
- 6. Here, tree map shows the Orders count based on ProductLines.
- 7. Here, Chart shows Inventory of products based on each ProductLines.



- 1. Here Card shows Total employees, total orders, Total Products and ProductLines.
- 2. 2<sup>nd</sup> layout shows the product lead time by plotting the Order date vs Shipped date.
- 3. 3<sup>rd</sup> layout shows the Status of different products

## **AXON CAR SALES DASHBOARD** TOTAL EMPLOYEES TOTAL PRODUCTS TOTAL ORDERS PRODUCT LINES 109 Product Order Date Vs Shipped Date 18th centur... 2005 26 2005 January 28 productName productLine Year Day Year Month Day 18th centur... Ships 2005 February 23 2005 February 27 productName productLine Day Month Day Year Year 18th centur... 2005 March 23 2005 March 28 productName productLine Month Month Day Order Status productName Max of ordernumber status status 18th century schooner 10248 Cancelled Cancelled 18th century schooner 10414 On Hold ☐ Disputed 18th century schooner 10396 Shipped ☐ In Process 18th Century Vintage Horse Carriage 10423 In Process 18th Century Vintage Horse Carriage 10410 Shipped On Hold 1900s Vintage Bi-Plane 10262 Cancelled Resolved 1900s Vintage Bi-Plane 10415 Disputed