

# **POWERDASH – HACKATHON**

**By Cloudy ML**

**Participant Name:**

**ARAVIND UDIYANA**

# DATASET OVERVIEW

orders	
Category	
City	
Country/Region	
Customer ID	
Customer Name	
Discount	
Month	
Order Date	
Order ID	
Postal Code	
Product ID	
Product Name	
Profit	
Quantity	
Quarter	
Region	
Row ID	
Sales	
Segment	
Ship Date	
Ship Mode	
State/Province	
Sub-Category	
Year	
Collapse ^	

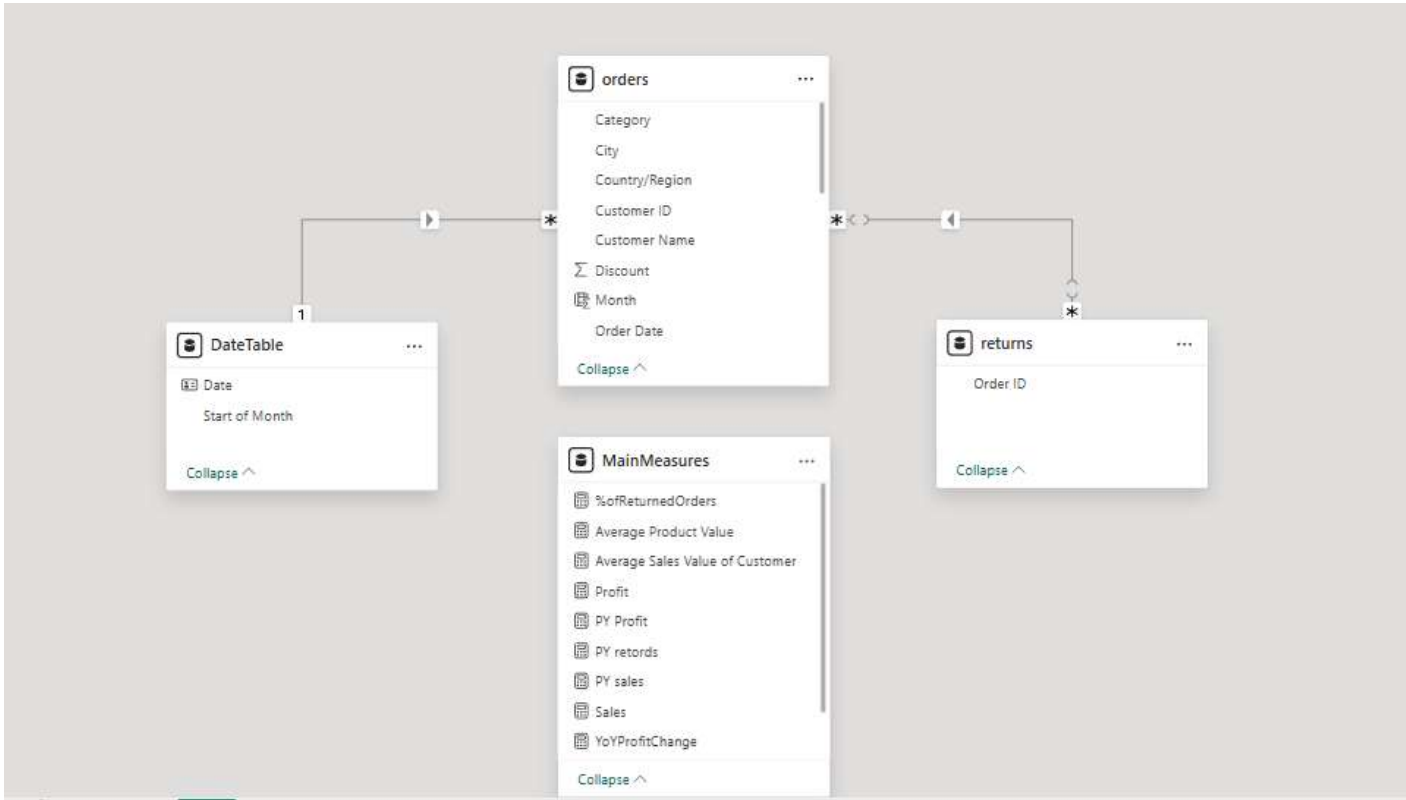
returns	
Order ID	
Collapse ^	

DateTable	
Date	
Start of Month	
Collapse ^	

MainMeasures	
%ofReturnedOrders	
Average Product Value	
Average Sales Value of Customer	
Profit	
PY Profit	
PY retords	
PY sales	
Sales	
YoYProfitChange	
YoYRetordsChange%	
YoYSalesChange	
Collapse ^	

These are DAX measures which were created by me

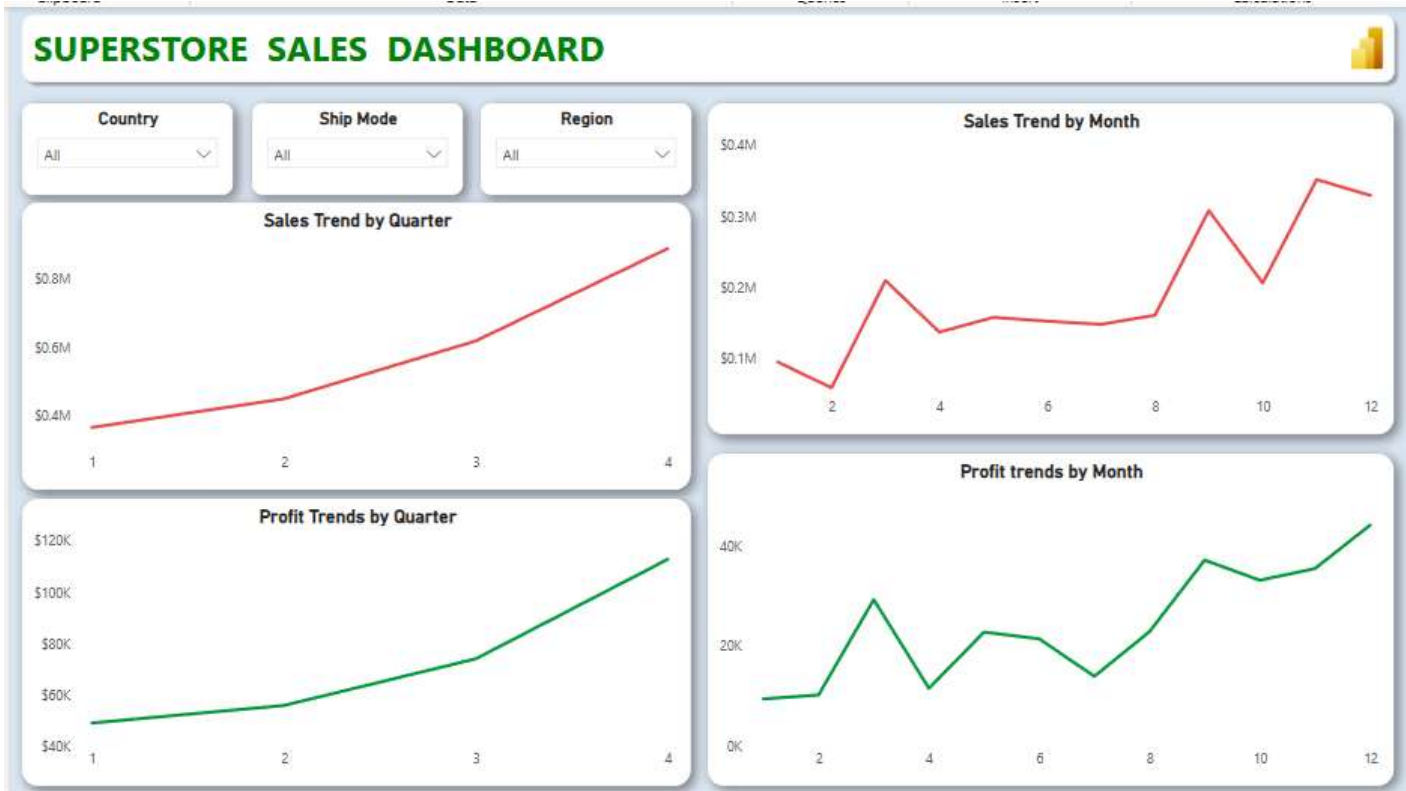
DATA MODELLING



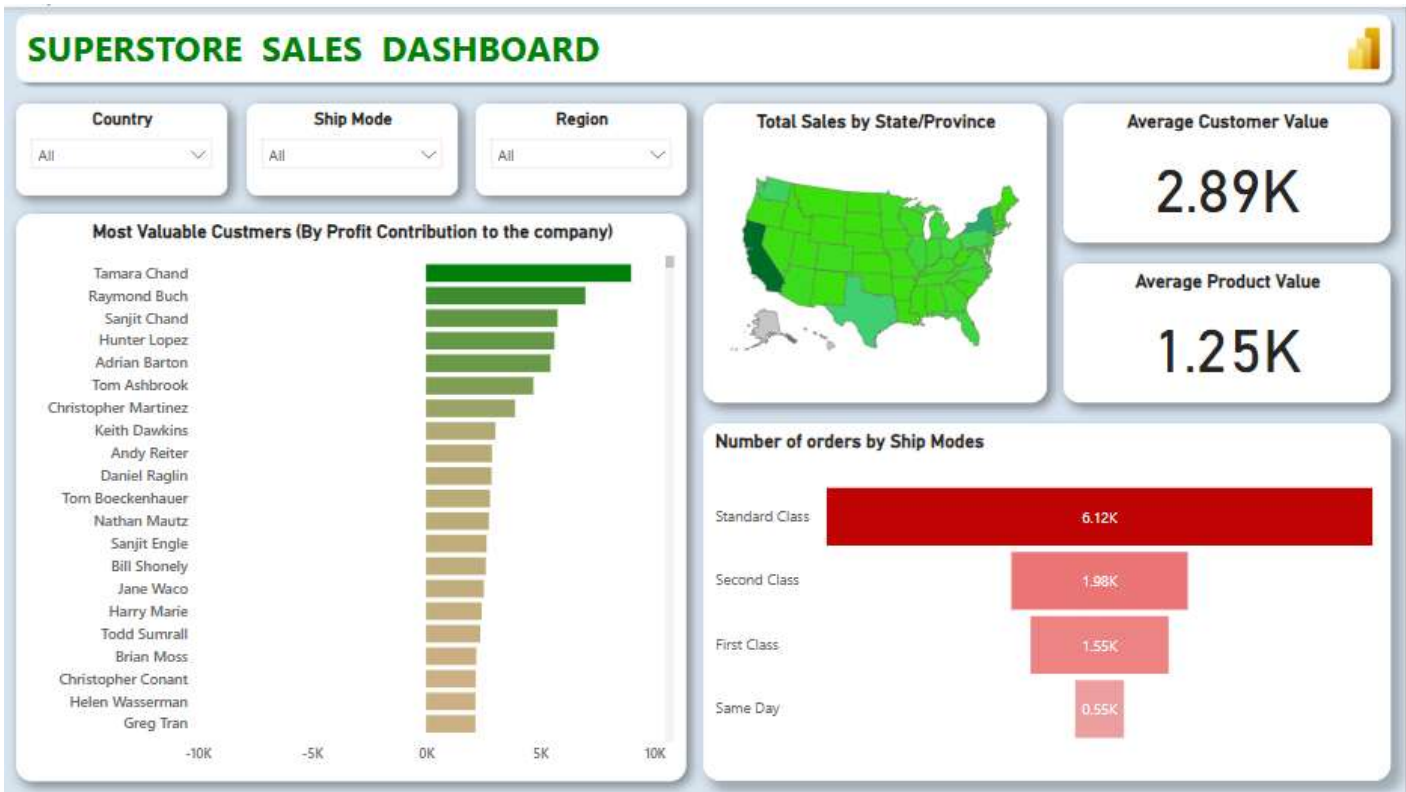
DASHBOARD — PAGE 1 (OVERVIEW)



DASHBOARD — PAGE 2 (TRENDS)



DASHBOARD — PAGE 3( CUSTOMERS )



## DASHBOARD — PAGE 4( FORECASTING )



## DAX MEASURES

```
1 Sales = sum(orders[Sales])
```

```
1 Profit = sum(orders[Profit])
```

```
1 %ofReturnedOrders =  
2 var retord=DISTINCTCOUNT(returns[Order ID])  
3 var totord=DISTINCTCOUNT(orders[Order ID])  
4 return retord/totord
```

```
1 Average Product Value = [Sales]/DISTINCTCOUNT(orders[Product ID])
```

```
1 Average Sales Value of Customer = [Sales]/DISTINCTCOUNT(orders[Customer ID])
```

```
1 PY sales =  
2 CALCULATE(  
3     [Sales],  
4     SAMEPERIODLASTYEAR(DateTable[Date])  
5 )
```

```
1 PY Profit =  
2 CALCULATE(  
3     [Profit],  
4     SAMEPERIODLASTYEAR(DateTable[Date])  
5 )
```

```
1 PY retords =  
2 CALCULATE(  
3     [%ofReturnedOrders],  
4     SAMEPERIODLASTYEAR(DateTable[Date])  
5 )
```

```
1 YoYSalesChange =  
2 DIVIDE(  
3     [Sales]-[PY sales],  
4     [PY sales])
```

---

```
1 YoYProfitChange =  
2 DIVIDE(  
3     [Profit]-[PY Profit],  
4     [PY Profit])
```

---

---

```
1 YoYRetordsChange% =  
2 [%ofReturnedOrders]-[PY retords]
```

---

**THANK YOU**