



DATATHON 2


GROUP 4

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Operational Dashboard

New Measures

1- Total cost of Product sold

Query: *SUMX('Orders We Have Already', 'Orders We Have Already'[OrderQty] *
RELATED('Product Data Information'[StandardCost]))*

2- Revenue

Query: *SUMX('Orders We Have Already', 'Orders We Have Already'[OrderQty] *
RELATED('Product Data Information'[ListPrice]))*

3- Profit

Query: *[Total Revenue] - [Total cost of Product Sold]*

4- Inventory Turnover

Query: *DIVIDE([Total cost of Product Sold], [Average Inventory], 0)*

Operational Dashboard

New Measures

5- Year Over Year Growth

Query: *DIVIDE([Total Orders This Year] - [Total Orders Last Year], [Total Orders Last Year], 0)*

6- Stock Below Safety Level

Query: *IF(SUM('INVENTORY'[Quantity]) < MAX('Product Data Information'[SafetyStockLevel]), 1, 0)*

7- Order Fulfilment Rate

Query: *DIVIDE(SUM('Orders We Have Already'[OrderQty]), SUM('Orders We Have Already'[OrderQty]) + SUM('Work Order PENDING STATUS'[OrderQty]), 0)*

Operational Dashboard

\$626.39K

Total Revenue

\$237.03K

Profit

-0.97

Year over Year Growth

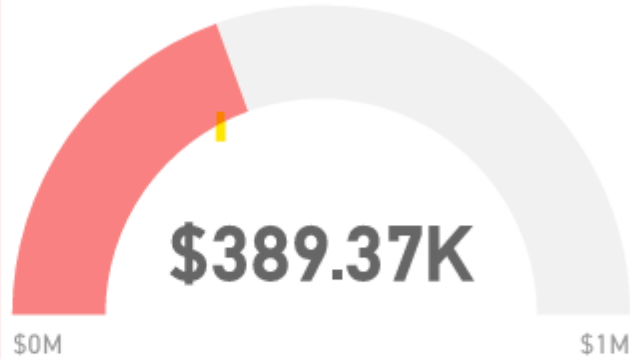
1.11K

Total Pending Orders

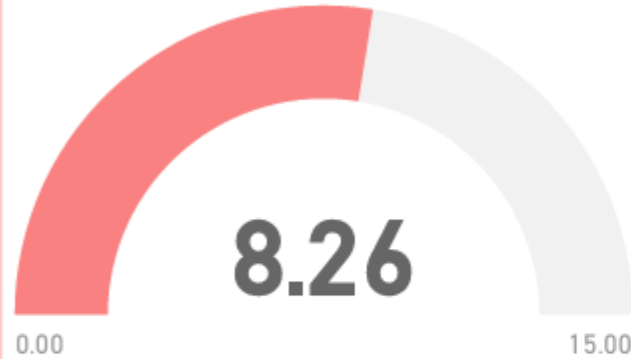
0

Stock Below Safety Level

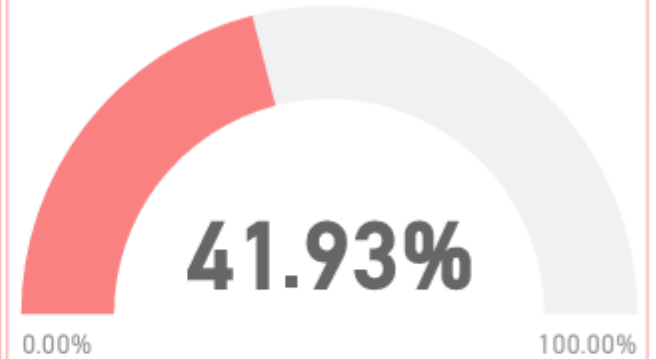
Total cost of Product Sold



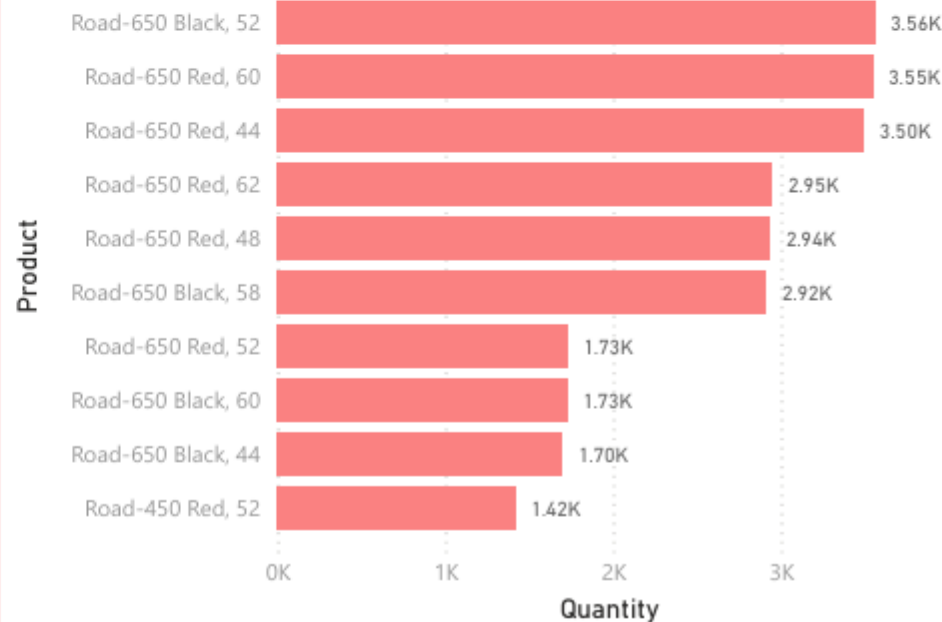
Inventory Turnover rate



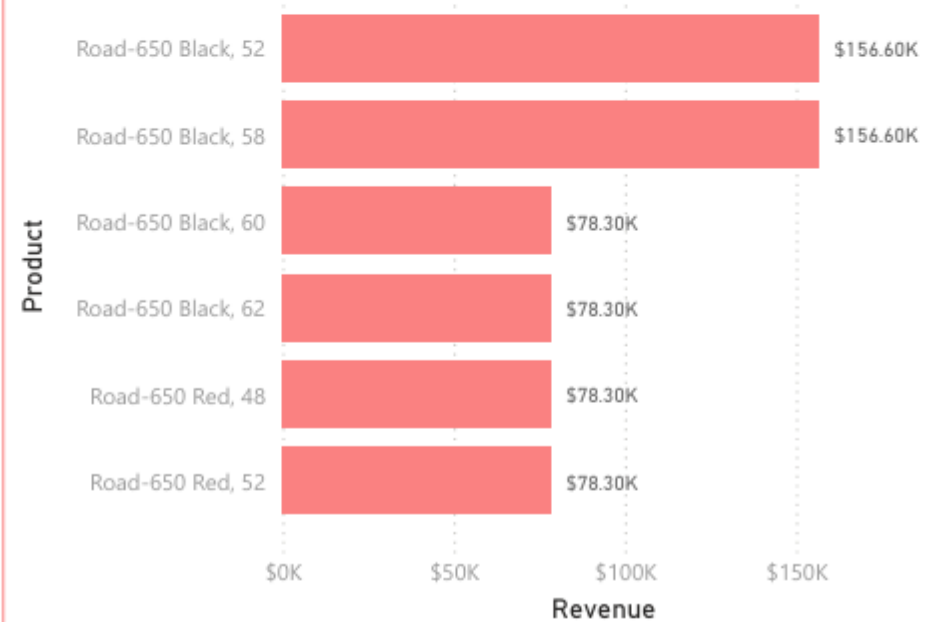
Fulfillment Rate



Top 10 Products by Inventory Quantity



Top 5 Products by Revenue



Strategic Dashboard

New Measures

1- Revenue

Query: $SUM(SalesOrderDetail[LineTotal])$

2- Profit

Query: $SUM(SalesOrderDetail[LineTotal]) - SUM(SalesOrderDetail[LineTotalCost])$

3- Inventory Turns

Query: $SUM(SalesOrderDetail[OrderQty]) / SUM(ProductionProductInventory[Quantity])$

4- Active Products

Query: $DISTINCTCOUNT(ProductHistory[ProductID])$

Strategic Dashboard

New Measures

5- Product Launches

Query: *DISTINCTCOUNT(ProductLaunches[ProductID])*

6- Sales to Children

Query: *DIVIDE(CALCULATE(SUM(SalesOrderDetail[LineTotal]),
Sales[vPersonDemographics[ChildrenAtHome] = TRUE]), SUM(SalesOrderDetail[LineTotal]))*

7- Days to Manufacture

Query: *Days to Manufacture = AVERAGE(ProductionWorkOrder[DaysToManufacture])*

8- Scrap Rate

Query: *SUM(ProductionWorkOrder[ScrappedQty]) / SUM(ProductionWorkOrder[OrderQty])*

Strategic Dashboard

New Measures

9- Average Pay Rate

Query: *Average Pay Rate* = *AVERAGE(HumanResourcesEmployeePayHistory[Rate])*

10- Female Wage Index

Query: *DIVIDE(CALCULATE(AVERAGE(HumanResourcesEmployeePayHistory[Rate]), HumanResourcesEmployeePayHistory[Gender] = "F"), CALCULATE(AVERAGE(HumanResourcesEmployeePayHistory[Rate]), HumanResourcesEmployeePayHistory[Gender] = "M"))*

11- Years of Service

Query: *Years of Service* = *AVERAGE(EmploymentHistory[YearsOfService])*

5.93M

Profit

293

Product Launches

295

Active Products

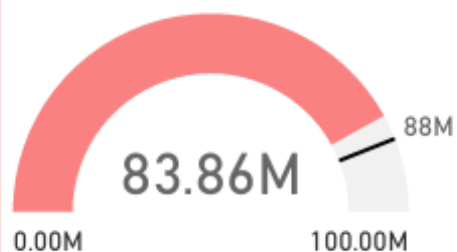
4M

Total Order Quantity

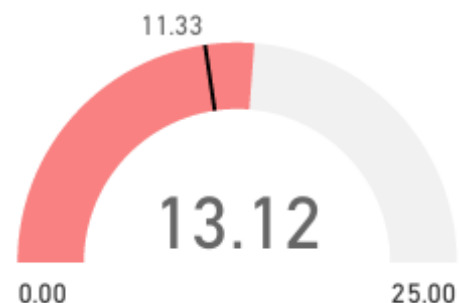
\$17.85

Average Pay Rate

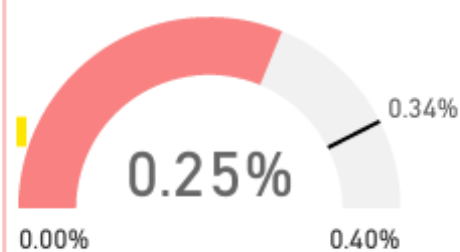
Revenue Till Date



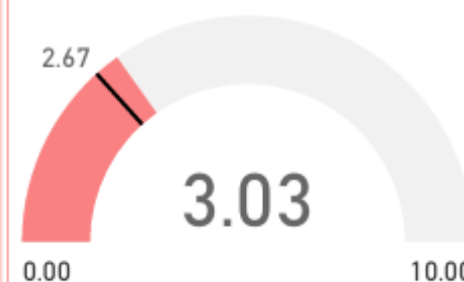
Days taken to Manufacture Order



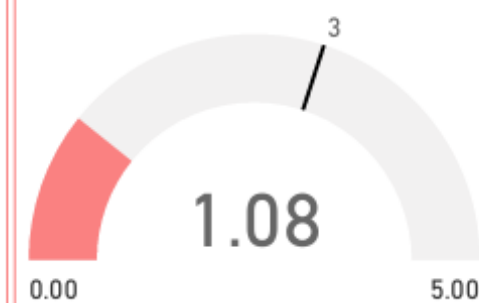
Scrapped Percentage



Employee Satisfaction



Female Wage Index



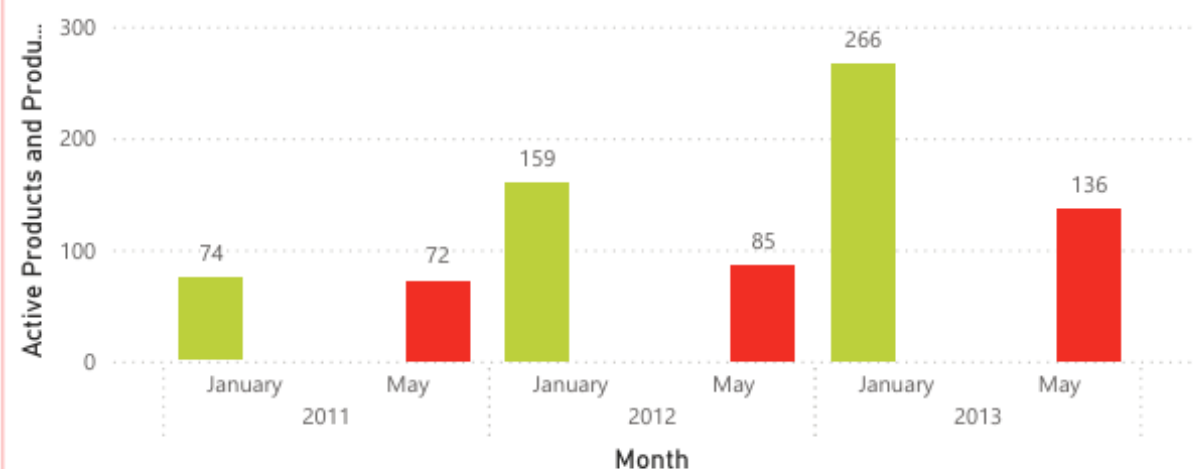
Profit and Revenue by Year and Month

● Profit ● Revenue



Active Products and Product Launches by Year and Month

● Active Products ● Product Launches



Links to Dashbord PowerBi Files

- **Operational Dashboard**

https://drive.google.com/file/d/1tXLCjYysi3tenULFEOd48WKb0MlyL_Cd/view?usp=drive_link

- **Strategic Dashboard**

https://drive.google.com/file/d/1-JL6Sv0Hbzxg-IDwAZ-QpsucL7ZT4Hep/view?usp=drive_link