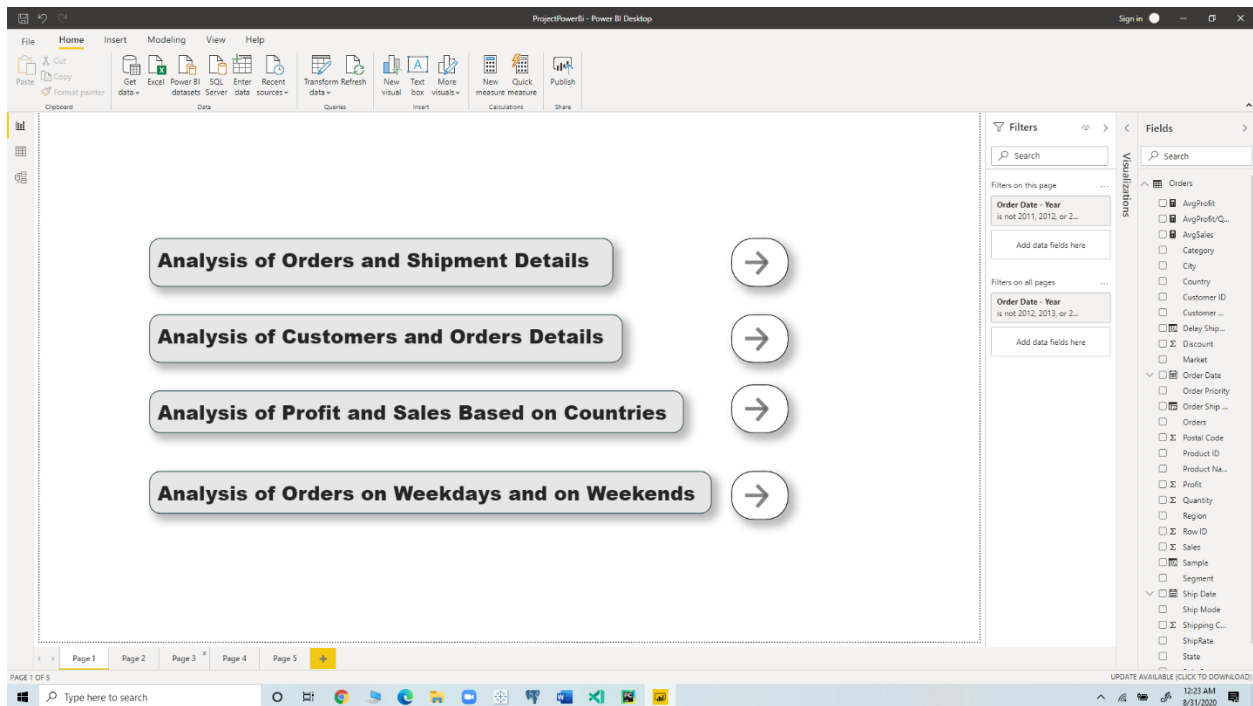**Name:** Syed Khundmir Azmi

Batch: 19/August/2020

Email: syedkhundmir62995@gmail.com

Phone: 9100258430

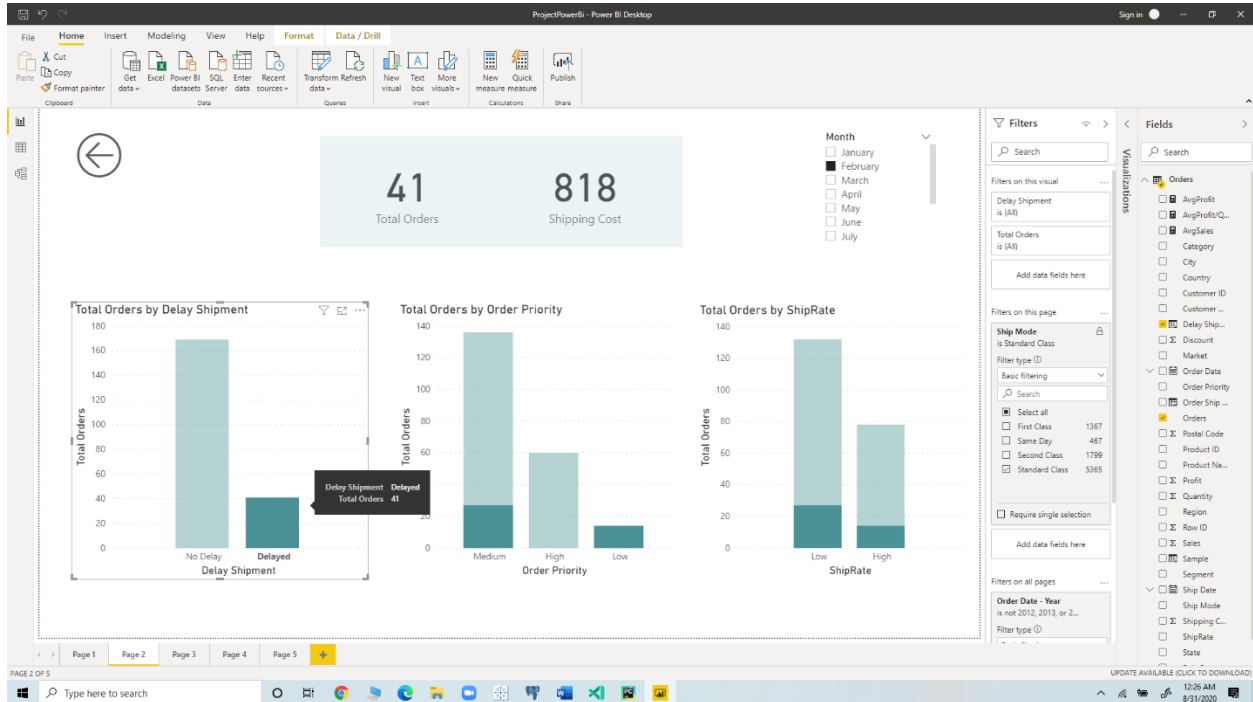# PowerBi Project

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Details-

This project has Analysis of following,

    I.   **Analysis of Orders and Shipment Details**
    II.   **Analysis of Customers and Orders Details**
   III.   **Analysis of Profit and Sales based on Countries**
   IV.   **Analysis of Orders on weekdays and weekends**

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➢ **Analysis of Orders and Shipment Details**

Explanation:

The above analysis shows,

1. Total orders whose shipment was delayed in Standard class.
2. It shows orders which were delayed fall in which category of order priority.
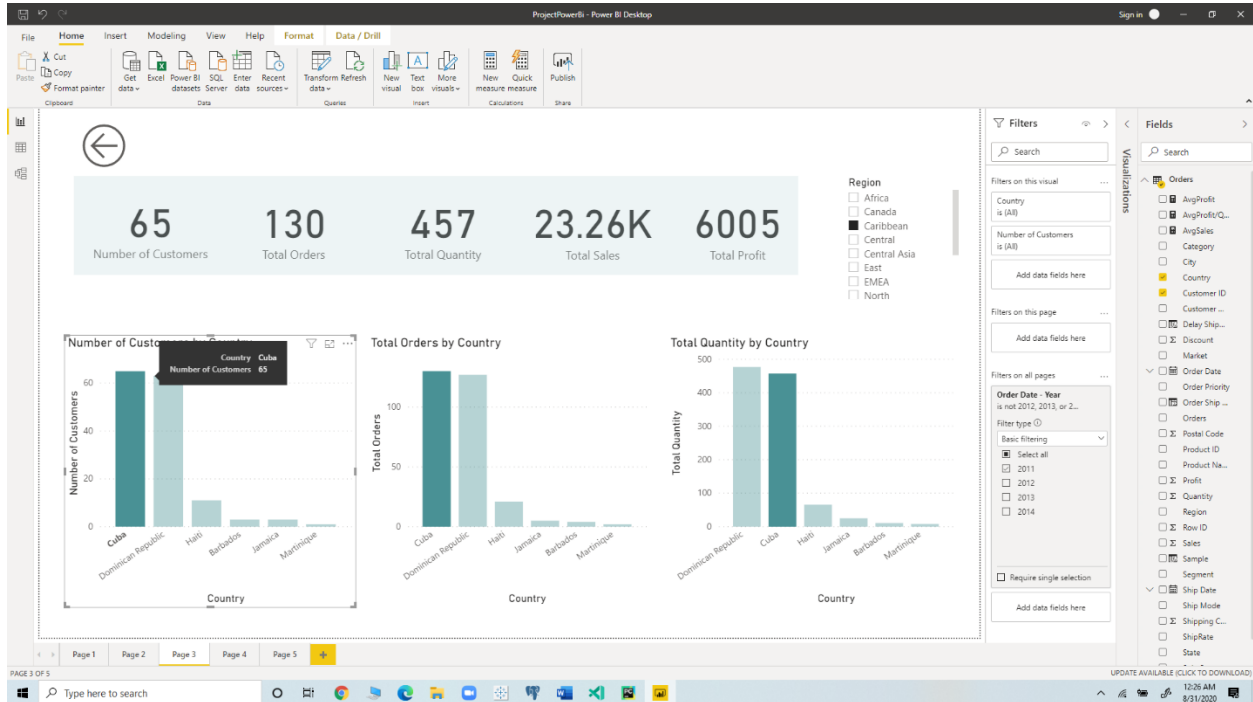3. The cost of orders which were delayed in shipment had Low shipment cost or High shipment cost.

Conclusion:

In this visualization we are analyzing the total number of orders which were delayed in shipment in year 2011 belonging to Standard class shipping. The priority of delayed orders is also analyzed so that company can improve its shipment strategy and can ship orders in given time. In this way orders will be delivered on time and company gains customer satisfaction on delivering products on time.

We are analyzing the shipping cost of delayed orders belonging to Standard class to know how many of delayed orders had more shipping cost(>$10) and how many of them had less shipping cost(<=$10) from selected month.

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➢ **Analysis of Customers and Orders Details**

Explanation:

The above analysis shows,

1. The number of customers from selected country who have placed orders.
2. The total number of orders placed from that selected country.
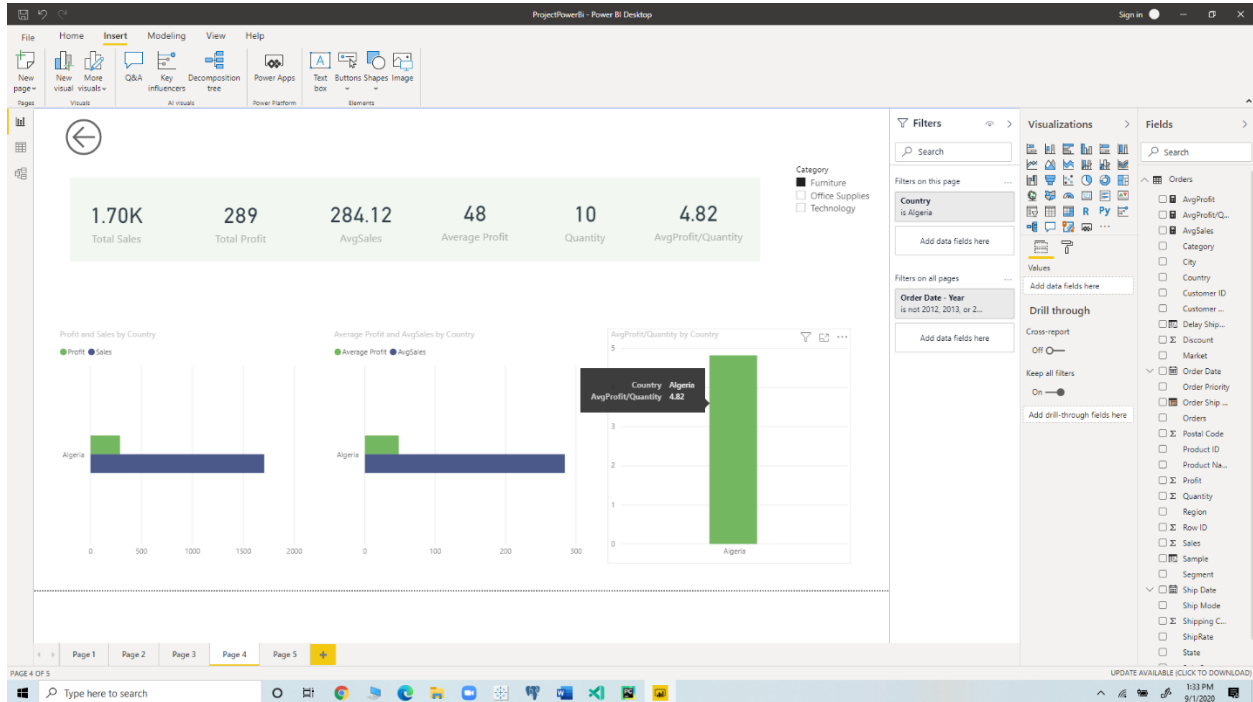3. The total quantity of orders placed from the selected country.

Conclusion:

In this visualization we are analyzing how many number of customers from selected country filtered by region had placed orders. The total number of orders placed by these customers and the total amount of quantity ordered from selected country's customers is analyzed from the visuals.

We conclude the total Sales and Profit generated by company from selected country's customers in the year 2011.

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> ➤ **Analysis of Profit and Sales based on Countries**

Explanation:

The above analysis shows,

1. The total profit and sales earned by selected country on furniture category.
2. The average profit and average sales generated by selected country on furniture category.
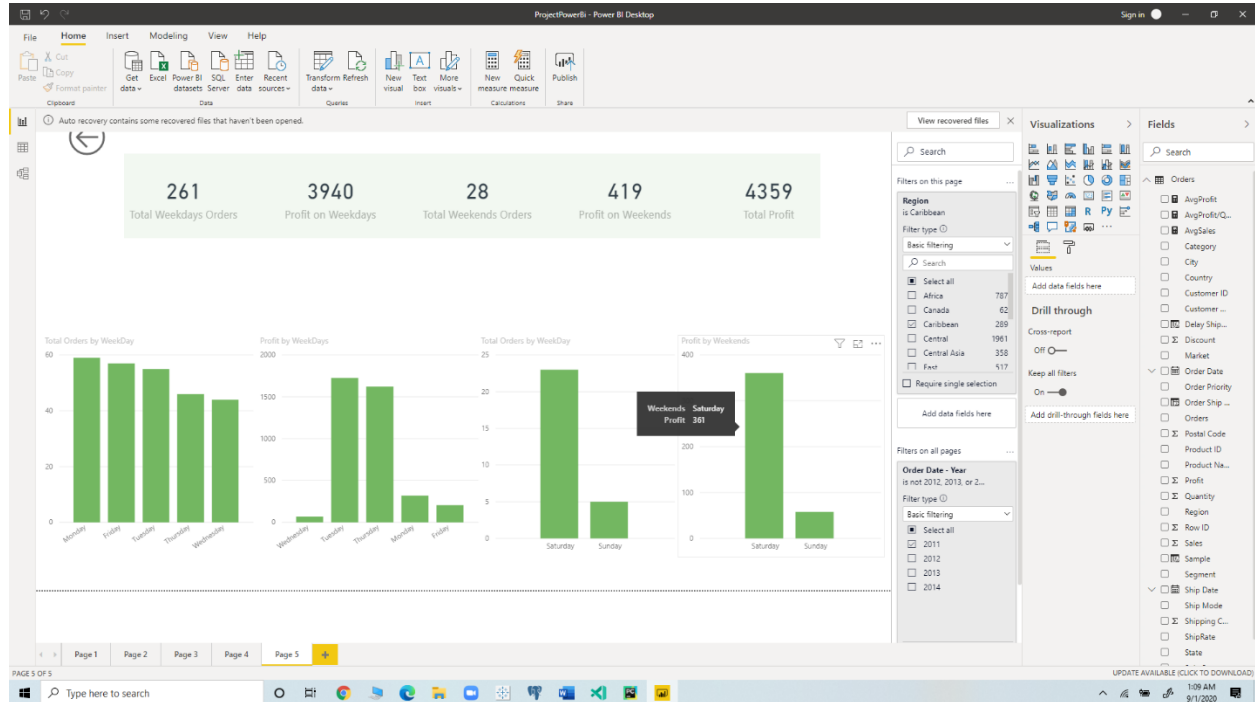3. The average profit per quantity earned by country on furniture category.

Conclusion:

In this visualization we analyze total amount of Sales and Profit earned by the company on furniture category from selected country in year 2011. We also calculate average sales and average profit and analyze them on selected country.

At last we conclude the Average profit what we earned on each unit from the selected country on furniture category.

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➢ **Analysis of Orders on weekdays and weekends**

Explanation:

The above analysis shows,

1. The total number of orders placed on weekdays.
2. The Profit earned on orders placed on weekdays.
3. The total number of orders placed on weekends.
4. The Profit earned on orders placed on weekends.

Conclusion:

In this visualization we analyze the profits which we are getting on orders placed on weekdays and orders placed on weekends in the year 2011 from selected region.

We compare both weekdays and weekends and find whether company is getting more orders and profit on weekdays or on weekends.

Calculations

1. Measures

- **Average Profit per Quantity:**
  Avgprofit/quantity= AVERAGE(Orders[Profit])/SUM(Orders[Quantity])

- **Average Sales:**
  Avgsales= AVERAGE(Orders[Sales])

- **Average Profit:**
  Avgprofit= AVERAGE(Orders[Profit])

2. Calculated Fields [DAX Measures]

- **Ship Rate= IF(Orders[Ship cost]<=10,"Low","High")**

- **WeekDay = FORMAT(Orders[Order Date],"dddd")**

- **Delay Shipment = IF(DATEDIFF(Orders[Order Date],Orders[Ship Date],DAY)<6,"No Delay","Delayed")**