My steps for the power bi project

* First I Have Downloaded The Data That I Will Use In The Project
* Then I Opened Microsoft Power Bi
* I Checked The Data Type And Realized That The **Data Type Is Csv**
* Then From **Home Menu** I Choosed **Get Data** Then **Text /Csv** Then I Choosed The Data Location On My Laptop → “ **customer** “→ open
* The **Power Query** opened then I checked the data is clean or not by clicking **Transform data**
* I removed from **customer** the column named title , middle name , name style , suffix , test , number of children at home , Spanish education , French education , Spanish occupation , French occupation → **close and apply**
* Yearly income I changed the format to be currency
* Then by same way i loaded and cleaned the rest of data
* **Date** data I remove Spanish day name of the week , French day name of week , Spanish mounth name , French mounth name , Fiscal Quarter , Fiscal Year , FiscalSemester because they are not important → **close and apply**
* **Internet sales** I removed column sales order line number , revision number , order quantity , unit price discount , discount amount, carrier tracking number , customer PO number , extended amount , product standard cost ( because they have no important data and there are some duplication ) → close and apply
* product I remove photo column , Spanish product name , French product name , end date
* **product category** Spanish product category name , French product category name
* **product subcategory** Spanish product subcategory name , French product subcategory name
* Removed the last row in **sales territory** because it has no data
* Internet sales is the fact sales
* Power bi make automatic connection between the fact table “ internet sales “ and all dimension tables
* I linked the fact table “ internet sales “ by the foreign key due date key with the dimension table “ date “ by the primary key date key
* I linked the fact table “ internet sales “ by the foreign key product key with the dimension table “ product category “ by the primary key product category key
* Business questions \*best seller product ? ( quantity and product )

\*best selling time ? ( day week month quarter year , quantity )

\*Male and female percentage of sales

\*best products profits

\*best territory percentage

**I made cards to show :**

Total sales

Total costs

Average taxs

Total profit

Number of orders and other cards and charts shown in power bi file

* Insert new column in internet sales table called net sales which = unit price – tax amount
* net sales = InternetSale[UnitPrice]-InternetSale[TaxAmt]
* profit = InternetSale[UnitPrice]-InternetSale[TotalProductCost]
* I made a chart that identify the top 5 loyal customer by making a relation between customer names ( first name ) and total sales ( sum of unit price ) and then filtered the name by ( top N ) and chooses to be top 5
* I made date hierarchy
* summarize total sales of product categories :

go to table view then insert new table

summary of sales of product models = SUMMARIZE(InternetSale,SalesTerritory[SalesTerritoryCountry],'Product'[ModelName],"total sales",SUM(InternetSale[UnitPrice]))

I changed the total sales format into currency and approximate to 2 decimal numbers

I made a new column called performance and used switch to determine the performance of each model

performance = SWITCH(TRUE,

[total sales] <25000 , " week performance ",

[total sales] <80000 , " good performance " ,

[total sales] <200000 ," very good performance " , " excellent performance ")

And more and more charts are shown in power bi file

Thank you for your efforts with us