**PROJECT REPORT:** SALES OF THE PRODUCTS

Table of contents

. **Introdution**

**. Data collection and preprocessing**

**. Exploratry Data Analusis(EDA)**

**. Results**

**. Loading the data to power BI**

**. Exploraty the data in power BI**

**. Conclusion**

**. Introdution:**

Introdution is about the product sales and where was the most sales was don and what product is highest sales, for what product we got most profite , In which country we are getting more business so this all we can get the information and more

**. Data collection and perprocessing:**

The data was in excel file then after we must load the data in jupyter for that we have the syntax that is **df1=pd.read\_excel("2-Sales Sample data (1).xlsx")** so by using this method we can get the data by that we can explore the data.

**. Exploratry Data Analysis(EDA):**

Exploraty is about the data we have the syntax **df1.head()** by using this syntax we can get the data in that we can see the columns are their so with that we can get the idea of data

**. Results:**

So the next am going to say the step by step process

. The next step was total information we have the syntax is **df1.info()** by that we can see the data type so the next step is we can see the total rows & columns then after I have don that I want to see the total columns by that we can what the data is and what are the columns are their **df1.columns .**

. To find the null values there is a syntax is **df1.isnull().sum()** by that we can see that at what columns we have the null values we can see their then after we are dropped the null values by using syntax is **df1.dropna(inplace=true )** by that we can see that their won’t be the null values .

. Then after i have checked is there is a duplicated values and there is no duplicated values in this data then after I went to the groupby with the two columns those are “product” and “units sold” by this two columns we can now that which product was sold more and higher and which product was sold lower and less and we can see that how many units are sold in in each product.

. Then after I went to barplot with those to columns only because we can see more clarity by the bar we can see more clarity for the each product we can see the bar

. Then I have used the heatmap with the some columns those are "Year","Units Sold","Profit","Month Number","Discounts” byusing this we can see hole data in this result

**. Loading data and Exploraty in power BI:**

Loading the data after that we can go to the explore the data first I have taken that stacked column chat in that I have taken in that columns are “units sold”, “product”, “country” by this we can see that in which country we go sold heigh and which product was sold more

. Then after I have used the pie chat in this we can see the columns are “year”,”month name “ by this we can see that at which year we go profit and in which month we go profit and loss so by this we can now our growth also

. Next I have use the 100% stacked column chat in tis used columns are “discount brand” and “sum of profit” so by using we can get the profit bar by going discount also

. Next I was used is map in this we can see where was country was their in map

**. Conclusion:**

By this project we concluded that the most soled product is **(paseo)** this product was sold higher and the less soled product is **(montana)**  this was less sold product

. In Canada country paseo was sold higher

. In Germany country montana was sold lesss

. In October month we got more sales

So we can get more and this is the conclusion of the sales of the product so this is the project.