

Detailed Project Report (DPR)

Amazon Sales Data Analysis.

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Objective:

Development of a predictive model for analyzing the sales trend on different factors and take decisions according to that trend. The model will help in solving problems related to sales factors.

Benefits:

- Helps in growth.
- Focus on fewer sales areas.
- Helps in easy flow for managing resources.
- Helps in taking effective decisions.

Analyzing and Prediction:-

- Analyzing the sales based on different regions
- Predict the success of different types of items based on this structure
- Analyze the profit of different items and work according to it

Data Extraction from CSV files:

- Extracted Data From Analyzing Amazon Sales data CSV
- Loaded into Power BI
- Perform Extract Transform Load (ETL) operations
- Plotted different types of charts(Bar Chart, Donut Charts, pie charts)
- In the end, gives an analyzing structure of data

Q & A:

Q1) What's the source of data?

The data is provided by Ineuron in the form of CSV files

Q 2) What was the type of data?

The data was Numerical and Categorical

Q 3) What's the complete flow you followed in this Project?

Load the data into Tableau and do ETL as mentioned in the 3rd page.

Q 4) After the File validation what do you do with incompatible files or files which didn't pass the validation?

There were no incompatible files.

Q 5) What techniques were you using for data pre-processing?

- Removing unwanted attributes
- Visualizing the relation of independent variables with each other and output variables
- Checking and changing the Distribution of continuous values
- Removing outliers
- Cleaning data and imputing if null values are present.
- Converting categorical data into numeric values.
- Scaling the data

Q 6) How training was done or what models were used?

The training was irrelevant to this project

Summary:-

- It is the data of sales that plays an important role in the growth of any company
- We manage the data and perform ETL in this process.
- In this, we have to analyze and make some predictions that help us take effective decisions.