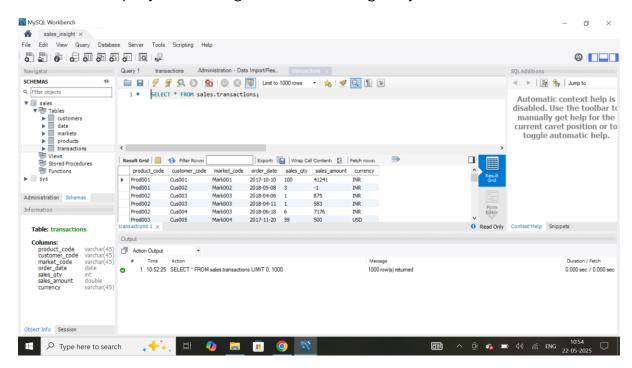
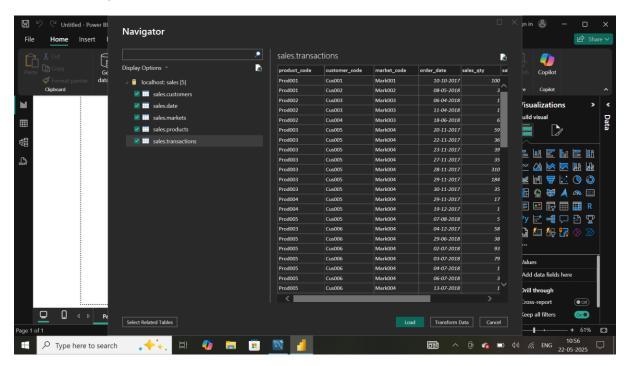
## Data Preprocessing & Exploratory Data Analysis (EDA)

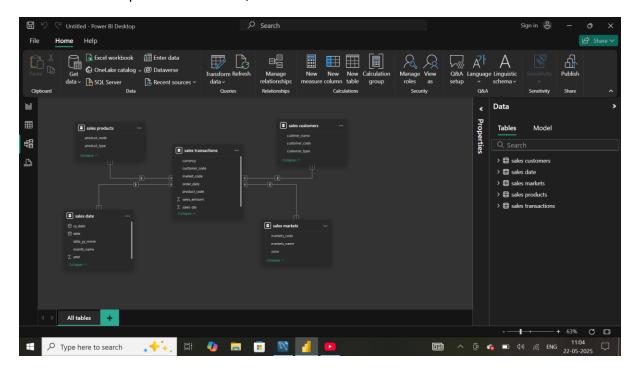
We have a company's sales insight and we are doing analysis on that data



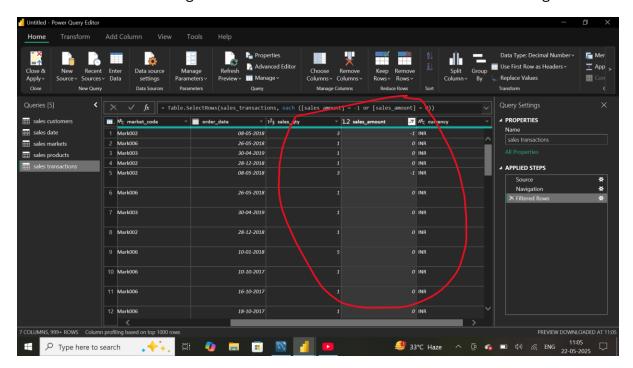
Now we will upload the data in Power BI



Since we have uploaded the data, now we will create relation between the tables

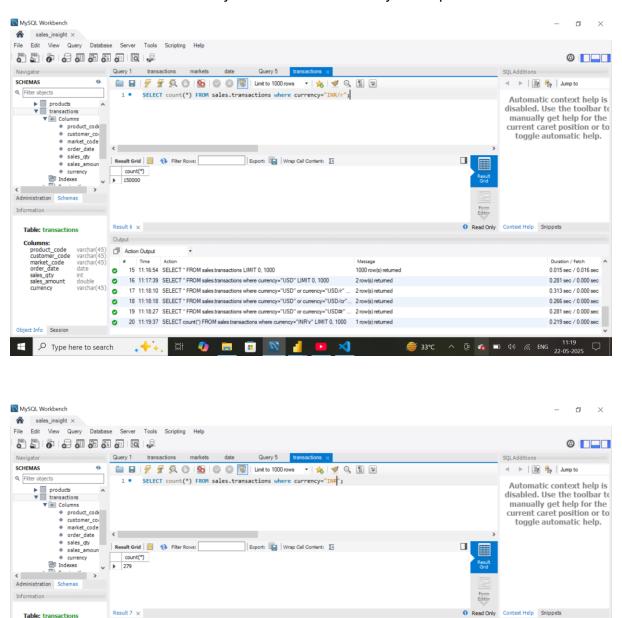


Now are tables are having relational schema and now we will do data cleaning



As you can se 0 and -1 in the sales\_amount column, so we will remove these values using "= Table.SelectRows(sales\_transactions, each ([sales\_amount] <> -1 and [sales\_amount] <> 0))" This filters the column and all the values are removed

## Now we noticed that in currency column some currency are duplicate



As you can see in above photos that INR\r has more values as compare to INR so will remove INR using "= Table.SelectRows(#"Remove sales\_amount= 0/-1", each ([currency] = "INR" or [currency] = "USD"))" This will remove the rows have INR and USD currency which are duplicate.

2 row(s) returned

1 row(s) returned

0.281 sec / 0.000 sec

0.313 sec / 0.000 sec

0.266 sec / 0.000 sec

0.281 sec / 0.000 sec

0.219 sec / 0.000 sec

0.218 sec / 0.000 sec

*⊜* 33℃ ^ டு 🖟 🖘 ᡧ ∉ ENG 22-05-2025

16 11:17:39 SELECT \* FROM sales.transactions where currency="USD" LIMIT 0, 1000

17 11:18:10 SELECT \* FROM sales transactions where currency="USD" or currency="USD/r"

19 11:18:27 SELECT \* FROM sales transactions where currency="USD" or currency="USD#r".

20 11:19:37 SELECT count(") FROM sales transactions where currency="INR\r" LIMIT 0, 1000

21 11:19:59 SELECT count(") FROM sales.transactions where currency="INR" LIMIT 0, 1000

18 11:18:18 SELECT \* FROM sales transactions where currency="USD" or currency="USD/α"... 2 row(s) returned

customer\_code customer\_code varchar(45) cmarket\_code varchar(45) date sales\_qty and to use varchar(45) date varchar(45) date varchar(45) date varchar(45) varchar(47) varchar(

Type here to search

0

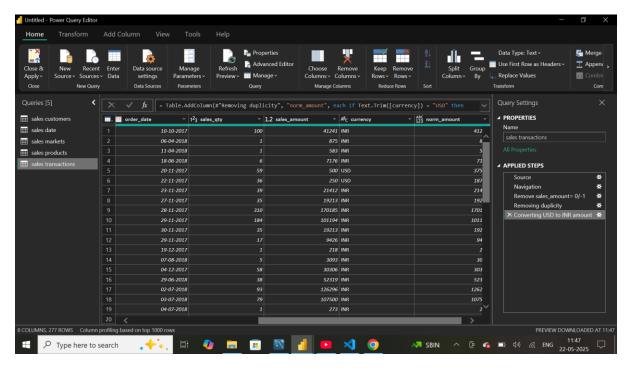
0

0

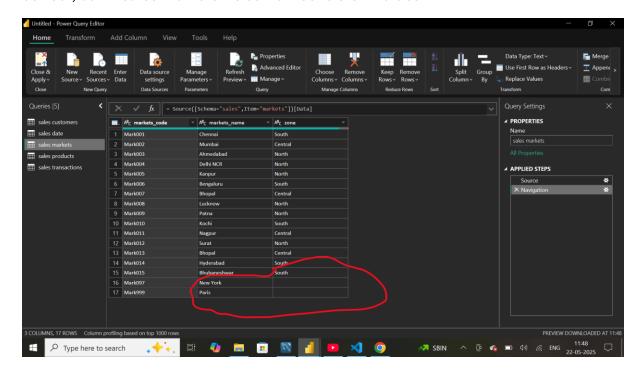
Now we will convert USD currency to normal amount using "=

Table.AddColumn(#"Removing duplicity", "norm\_amount", each if

Text.Trim([currency]) = "USD" then [sales\_amount]\*75 else [sales\_amount])"

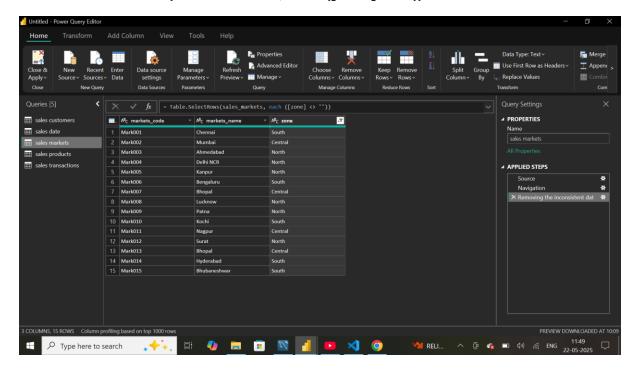


So finally our transactions table is ready for analysis and our other tables are also correct, but in sales.markets we some inconsistent values



We will remove these rows as they are of no use and cause error in analysing

## "= Table.SelectRows(sales\_markets, each ([zone] <> ""))" This will remove the rows



So now are whole data is correct and cleaned for analysis.