ETL with SSIS

In this project, I did ETL on SQL Server
with SSIS on Visual Studio 2019,
I used SQL Server Agent to schedule daily data extracts.
After that I used Tableau to create a dashboard by
connecting directly to SQL server

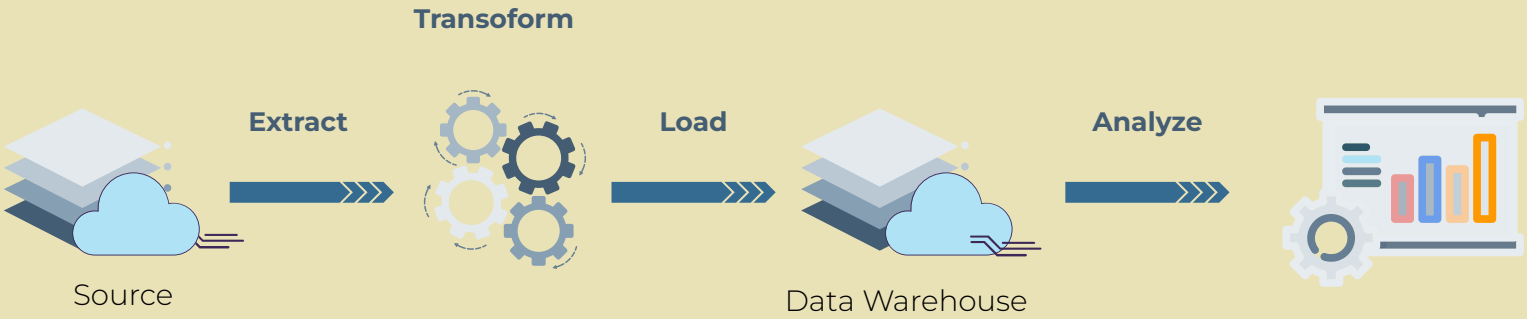
Dataset

Table OrderDetails
5.000 Rows - 5 Fields

Table Product
95 Rows - 4 Fields

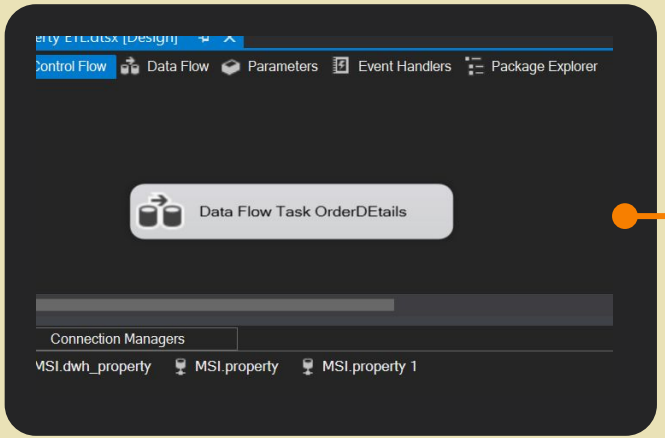
Table PropertyInfo
21 Rows - 3 Fields

Proccess



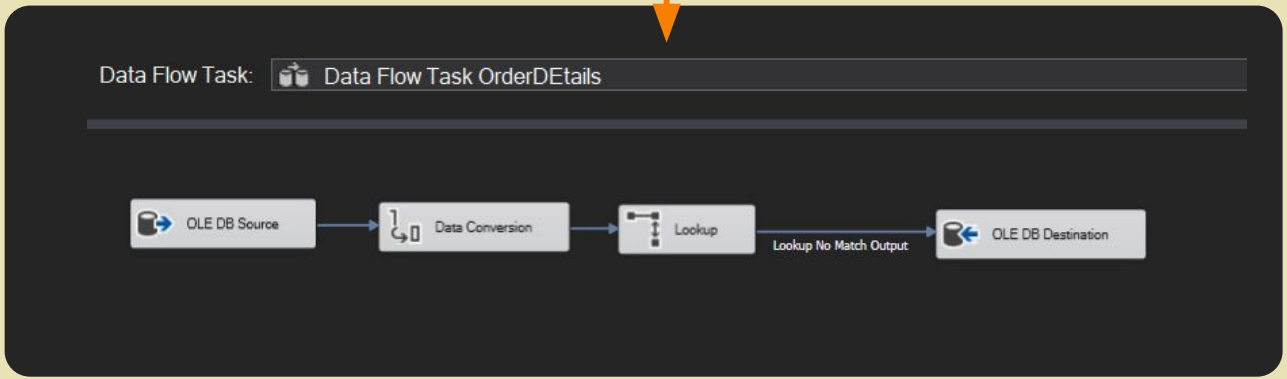
ETL SSIS

Data Flow



Proses ETL

OrderDetails data to be ingested,
Will be looked up
To check the data does not occur
Duplicates



SQL Server Agent

Daily scheduling to extract data

The data will be extracted
every 16:51:00

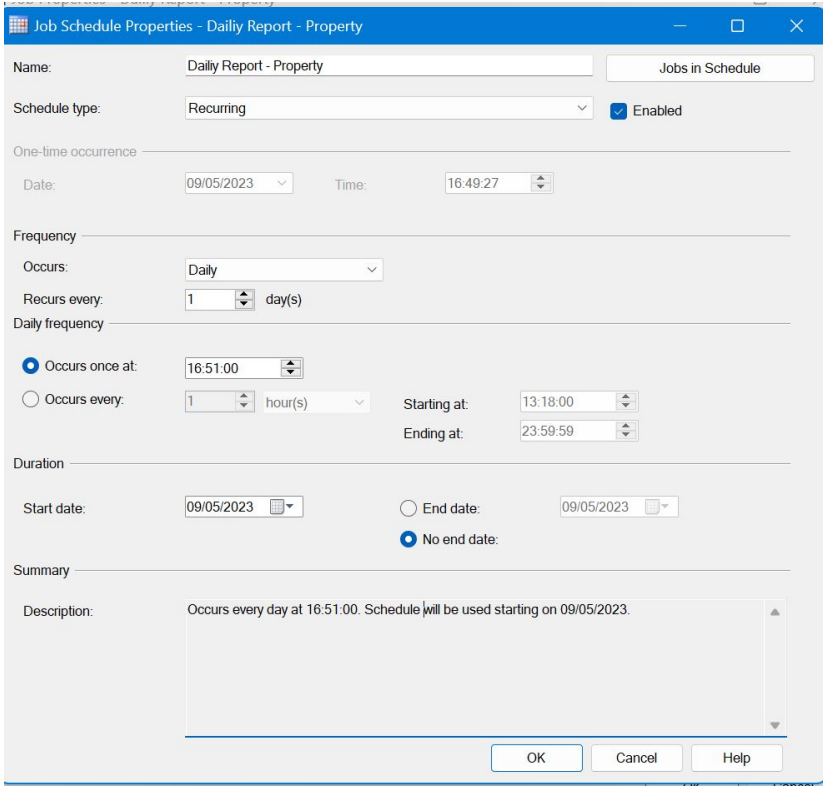
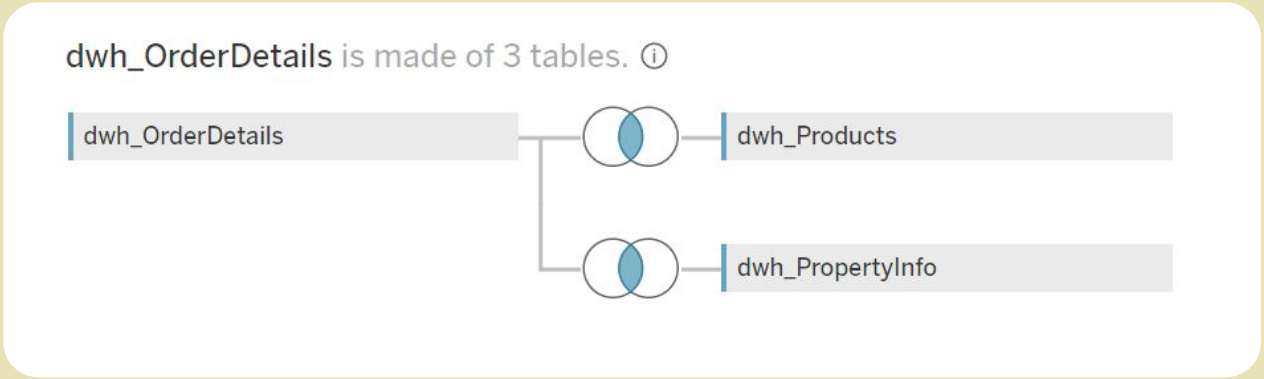


Tableau Inner Join

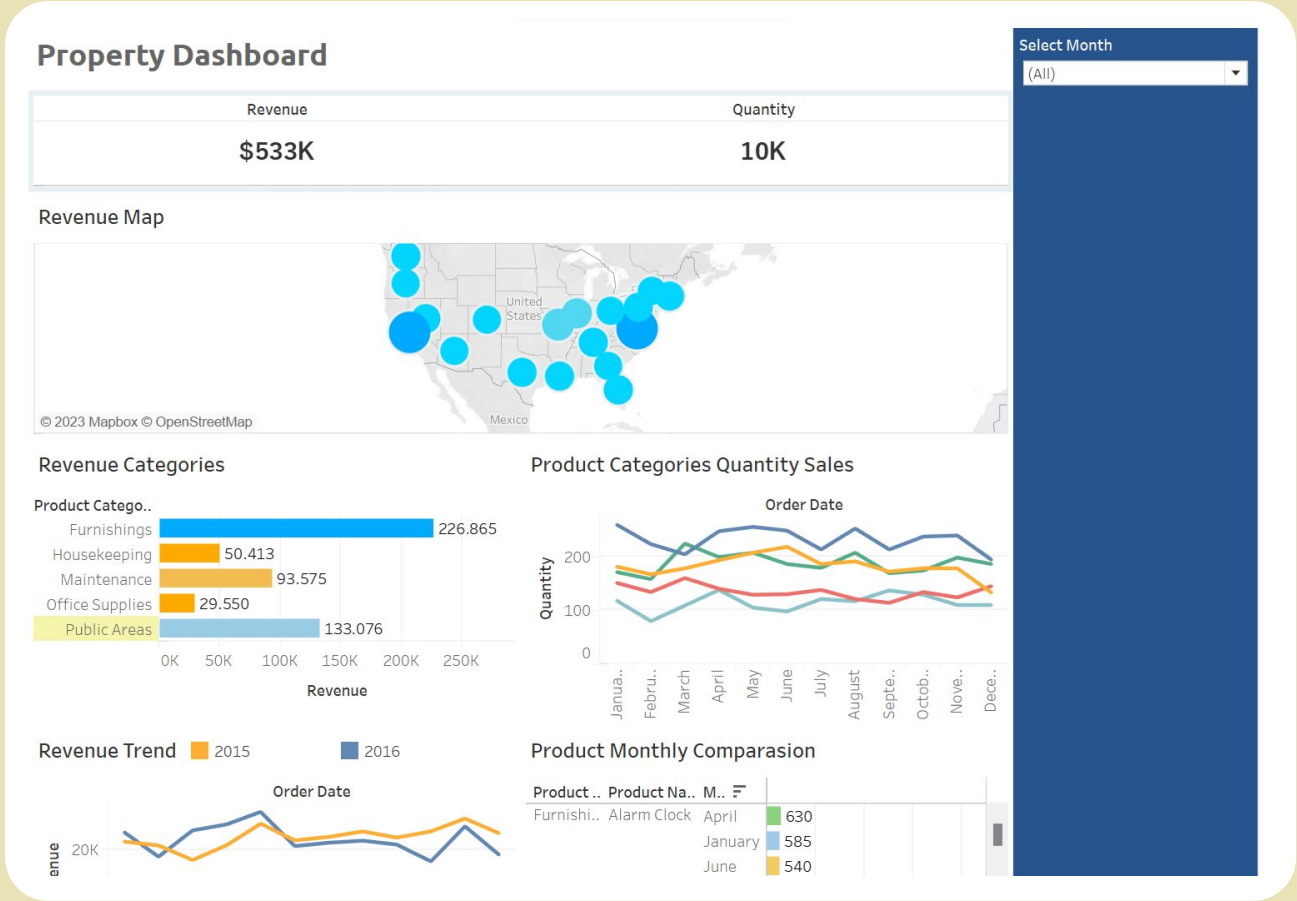


dwh_OrderDetails | 13 fields 5000 rows | 100 rows

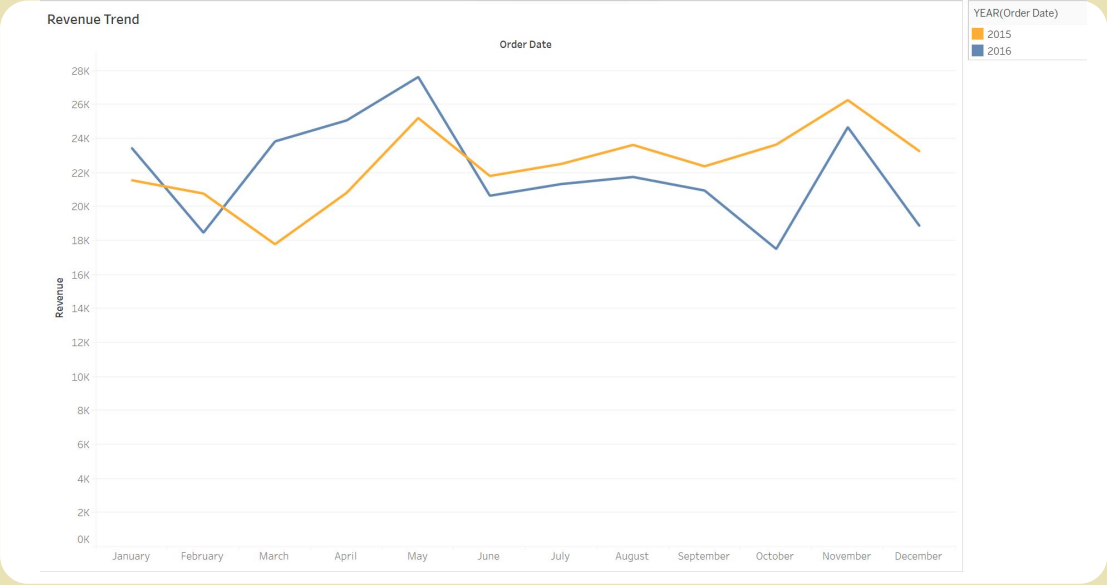
Table Details

Order ID	Order Date	Property ID	Product ...	Quantity	ProductID (dwh Products)	Product Name	Product Category	Price	Prop ID	Property City	Property State	Revenue
1	01/01/2015	17	41	1	41	Office Chair	Furnishings	85	17	Las Vegas	Nevada	85
10	02/01/2015	2	61	2	61	Tape Measure	Maintenance	8	2	Cincinnati	Ohio	16
100	16/01/2015	10	24	1	24	Envelopes (Letter)	Office Supplies	24	10	Arlington	Virginia	24
1000	30/05/2015	4	23	3	23	Printer Toner	Office Supplies	85	4	Seattle	Washington	255
1001	30/05/2015	15	37	1	37	Bed (King)	Furnishings	300	15	Chicago	Illinois	300
1002	30/05/2015	8	45	3	45	Computer Desk	Furnishings	102	8	Philadelphia	Pennsylvania	306
1003	30/05/2015	5	24	3	24	Envelopes (Letter)	Office Supplies	24	5	Kansas City	Missouri	72

Tableau Dashboard

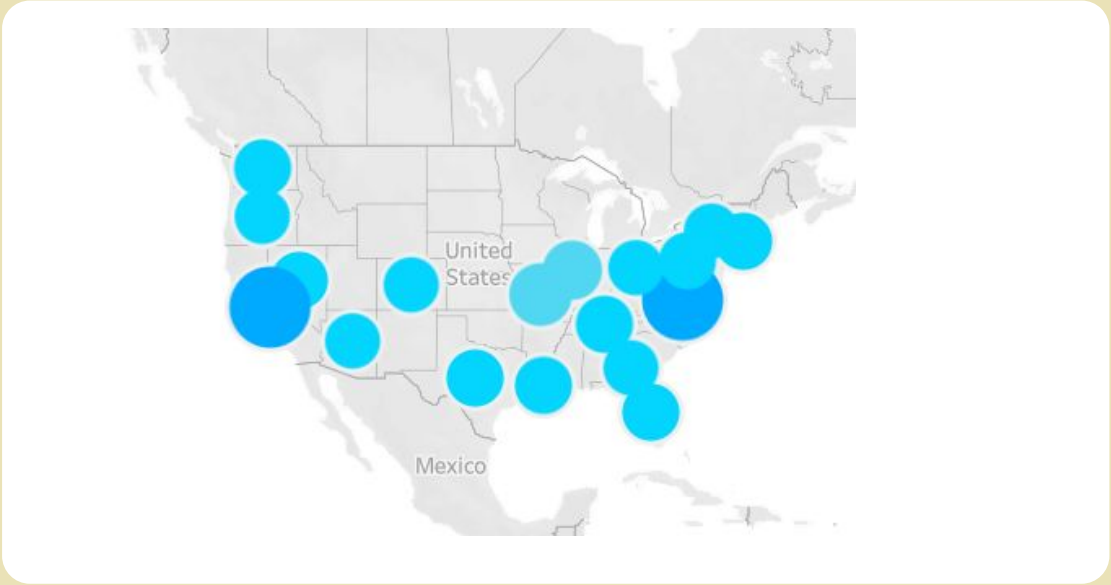


Revenue Trend



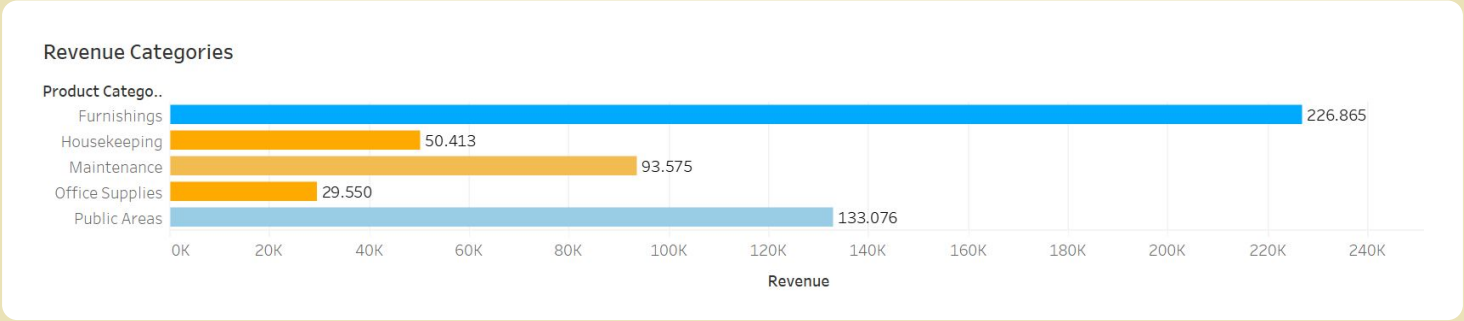
Revenue is relatively stable for 2 years

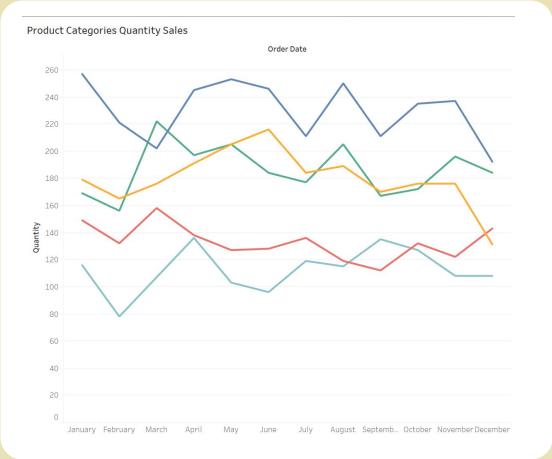
Revenue Map



California and Virginia are the biggest revenue

Revenue Product Categories





Most of the Revenue is obtained in the furnishing product category
However, the sales Quantity from year to year is quite stable

Muhammad Khairul

Thanks!

Click!