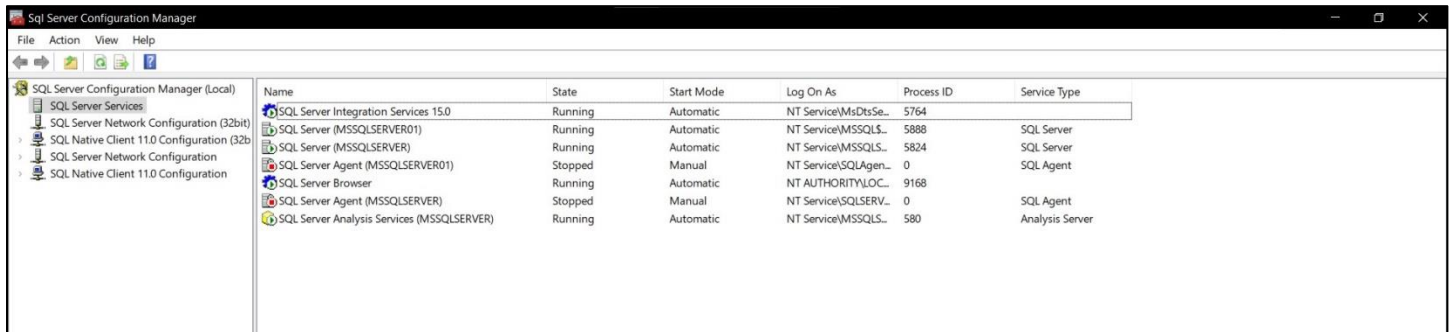


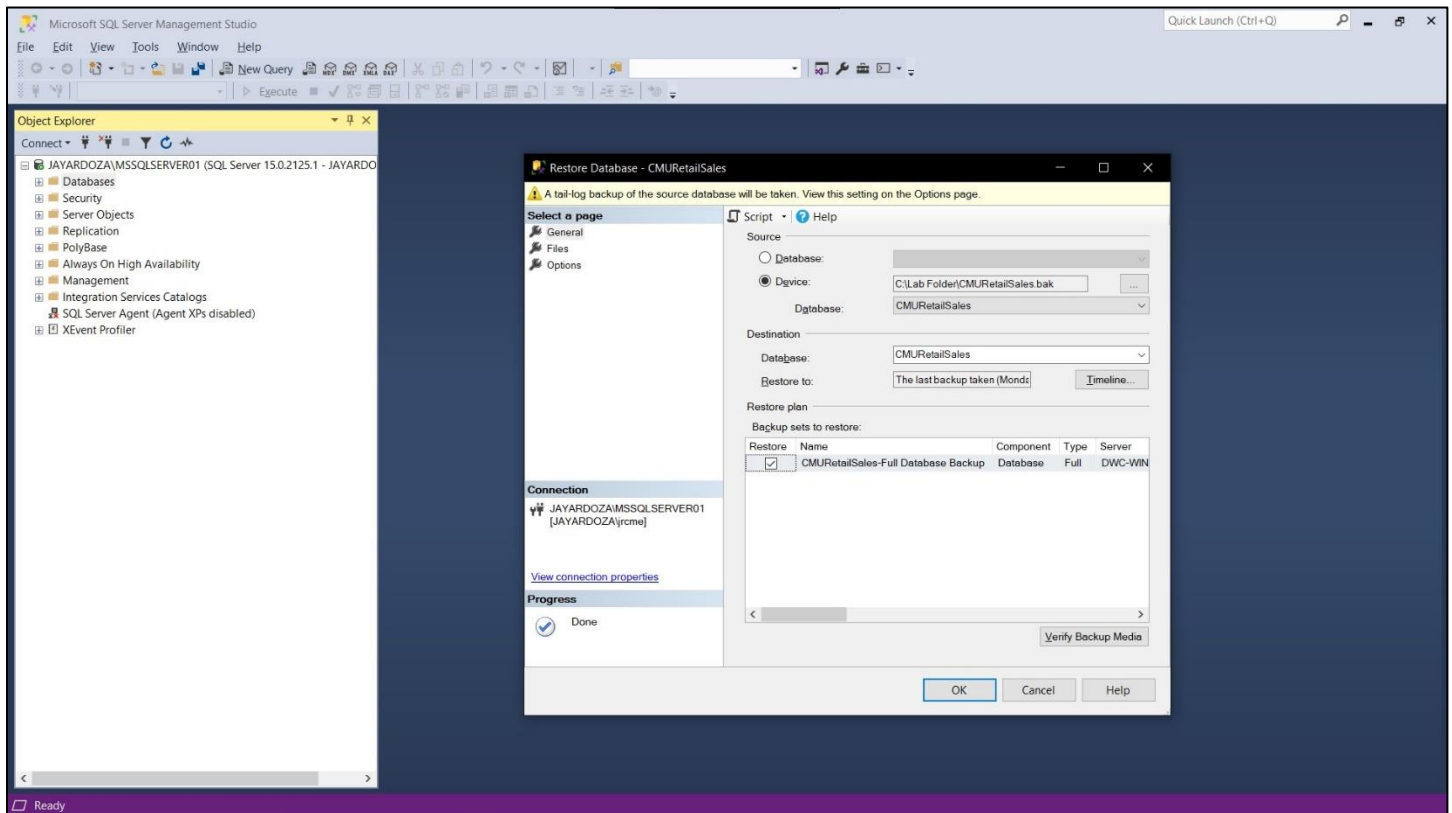
## Data Mining Lab Exercise #2



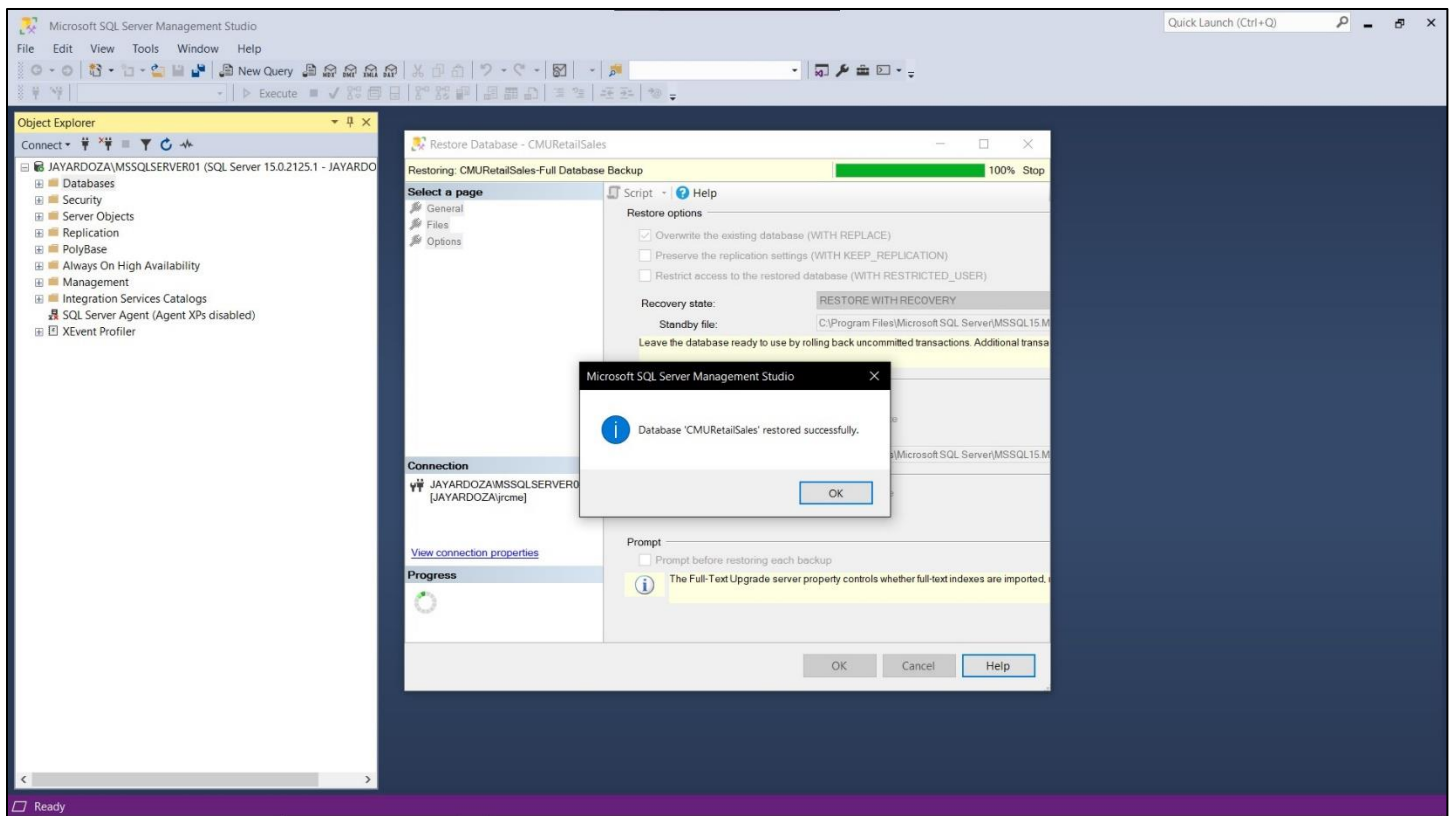
The screenshot shows the SQL Server Configuration Manager window. The left pane lists the configuration categories, and the right pane displays a table of services. The services listed are:

Name	State	Start Mode	Log On As	Process ID	Service Type
SQL Server Integration Services 15.0	Running	Automatic	NT Service\MsDtsSe...	5764	
SQL Server (MSSQLSERVER01)	Running	Automatic	NT Service\MSSQLS...	5888	SQL Server
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLS...	5824	SQL Server
SQL Server Agent (MSSQLSERVER01)	Stopped	Manual	NT Service\SQLAgen...	0	SQL Agent
SQL Server Browser	Running	Automatic	NT AUTHORITY\LOC...	9168	
SQL Server Agent (MSSQLSERVER)	Stopped	Manual	NT Service\SQLSERV...	0	SQL Agent
SQL Server Analysis Services (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLS...	580	Analysis Server

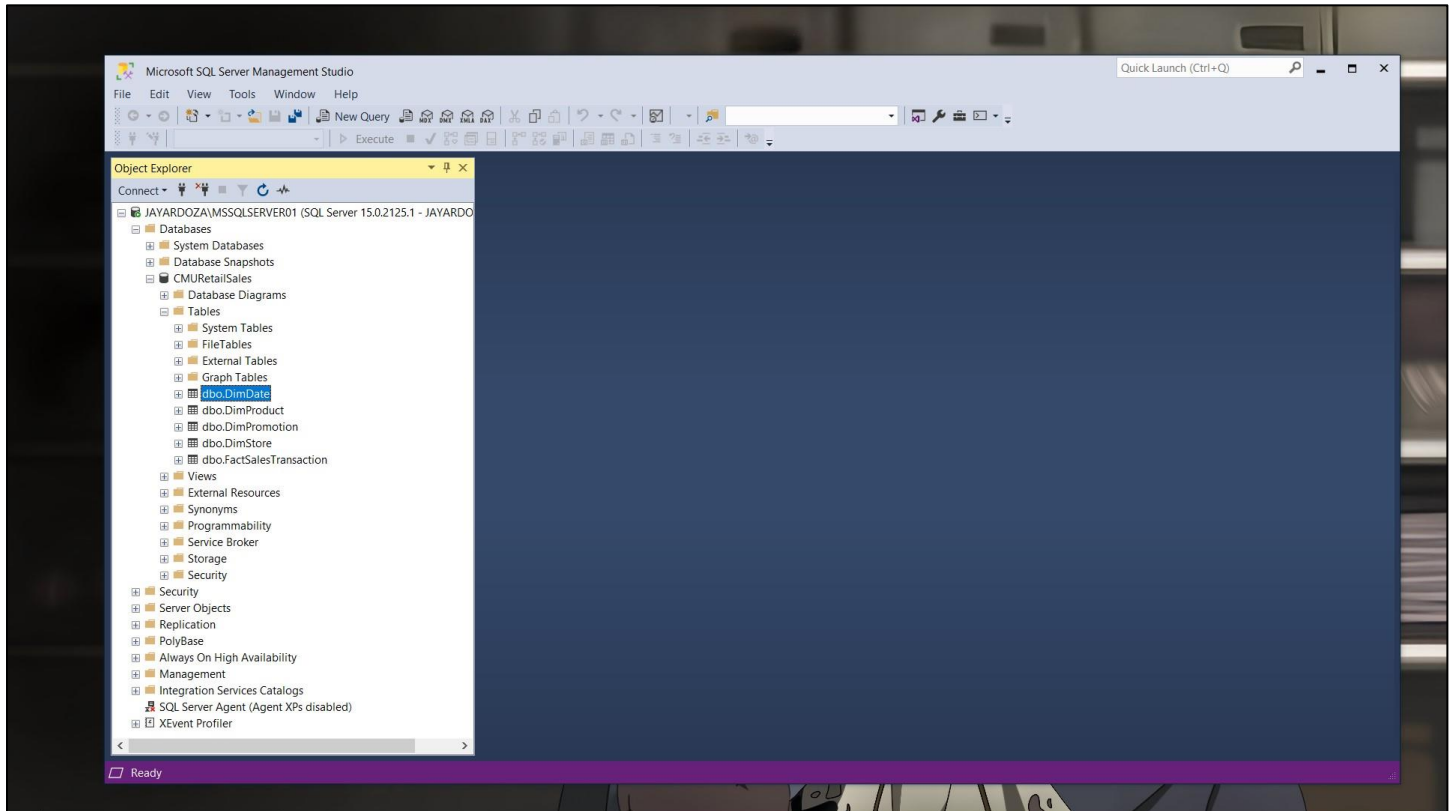
## SQL Server Browser and Analysis Services Running



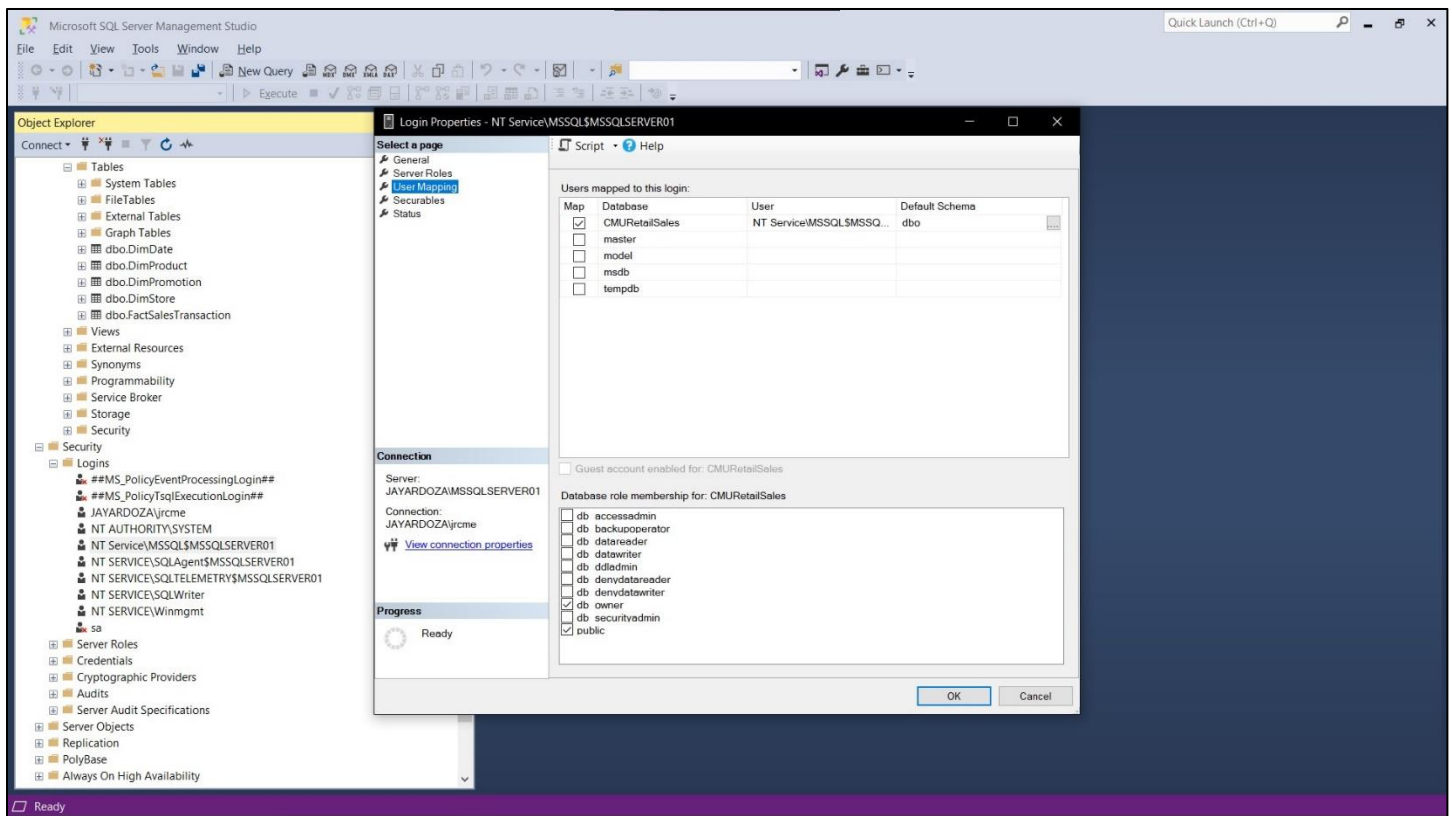
## Restoring Database



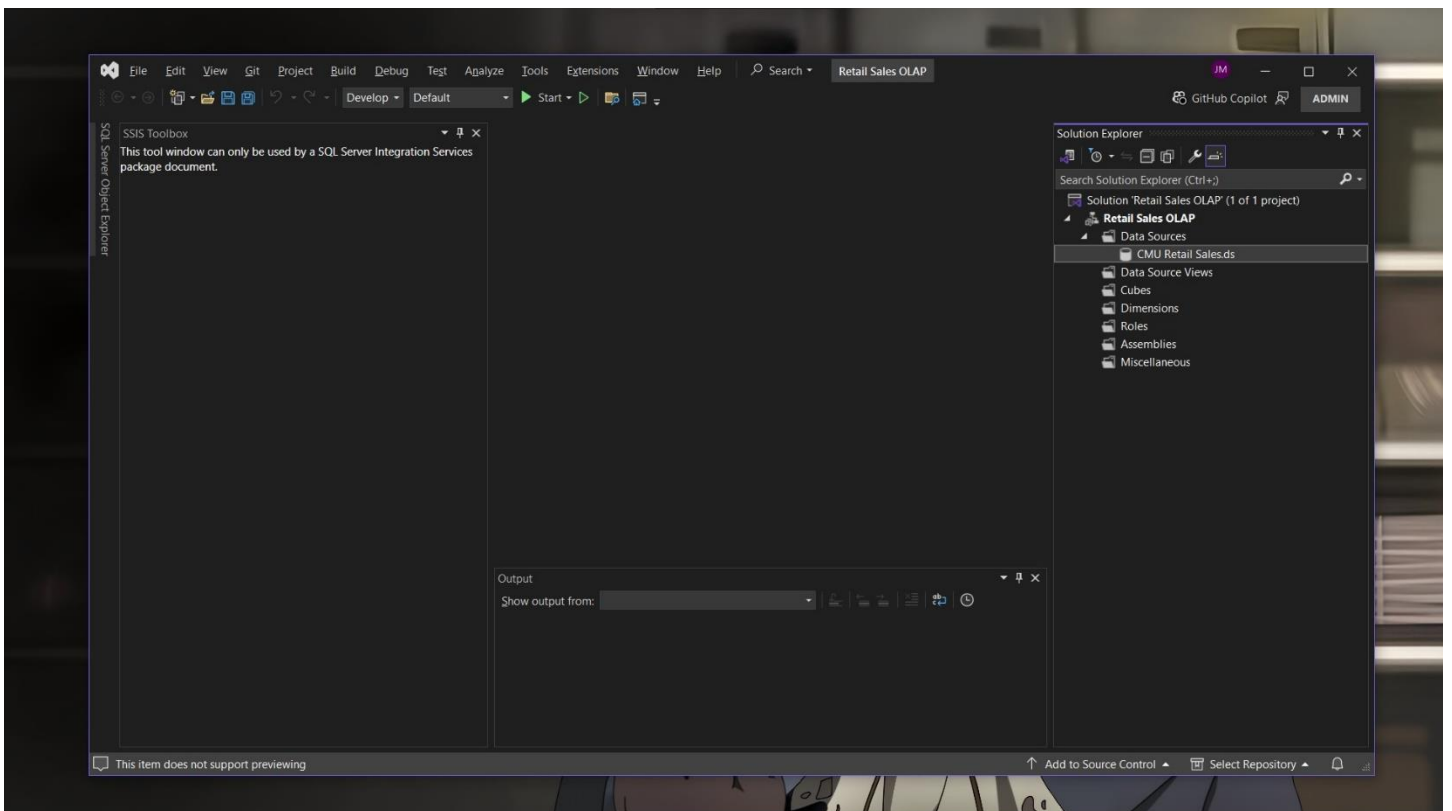
Restored Database Successfully



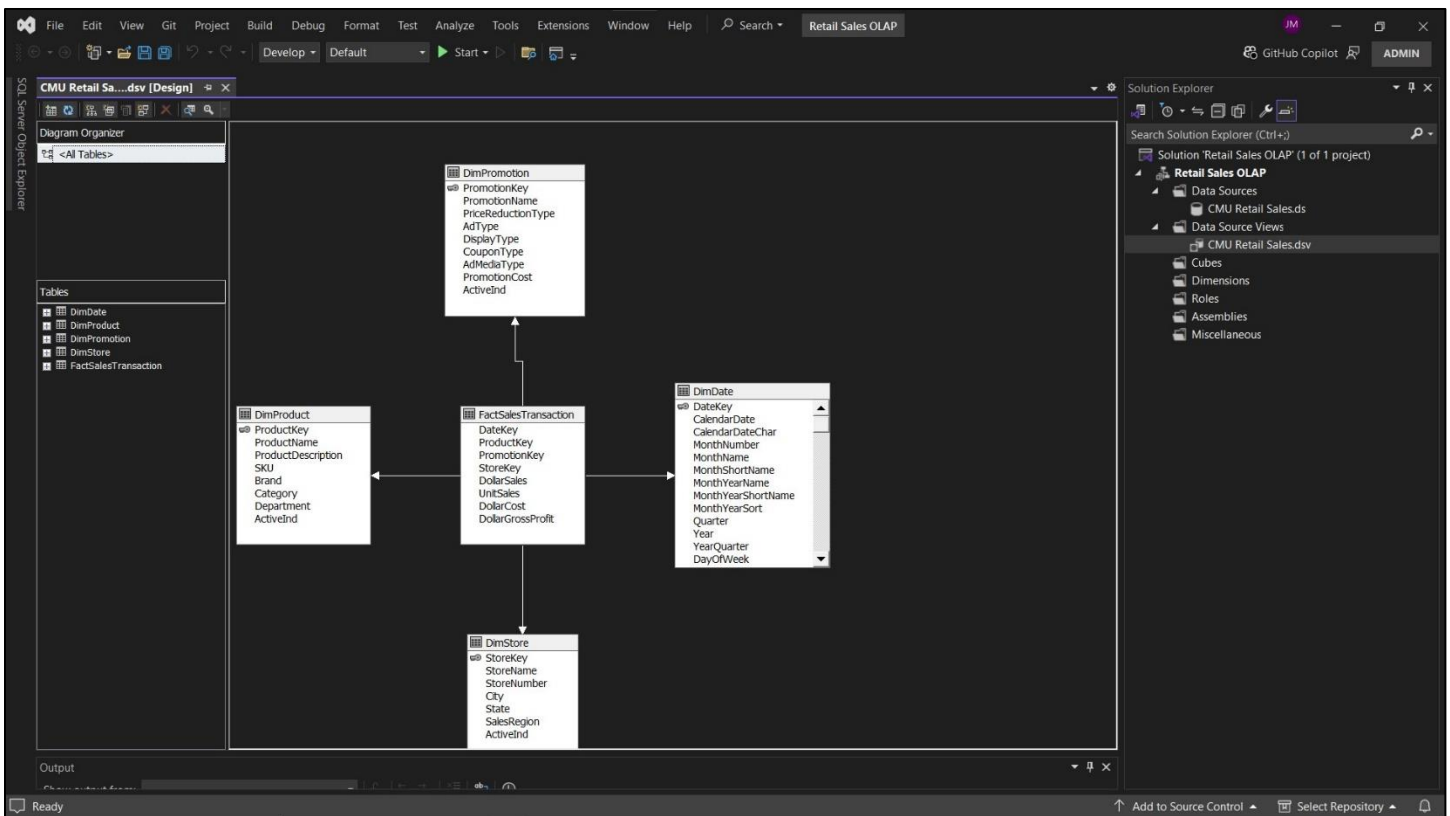
Loaded Five Tables



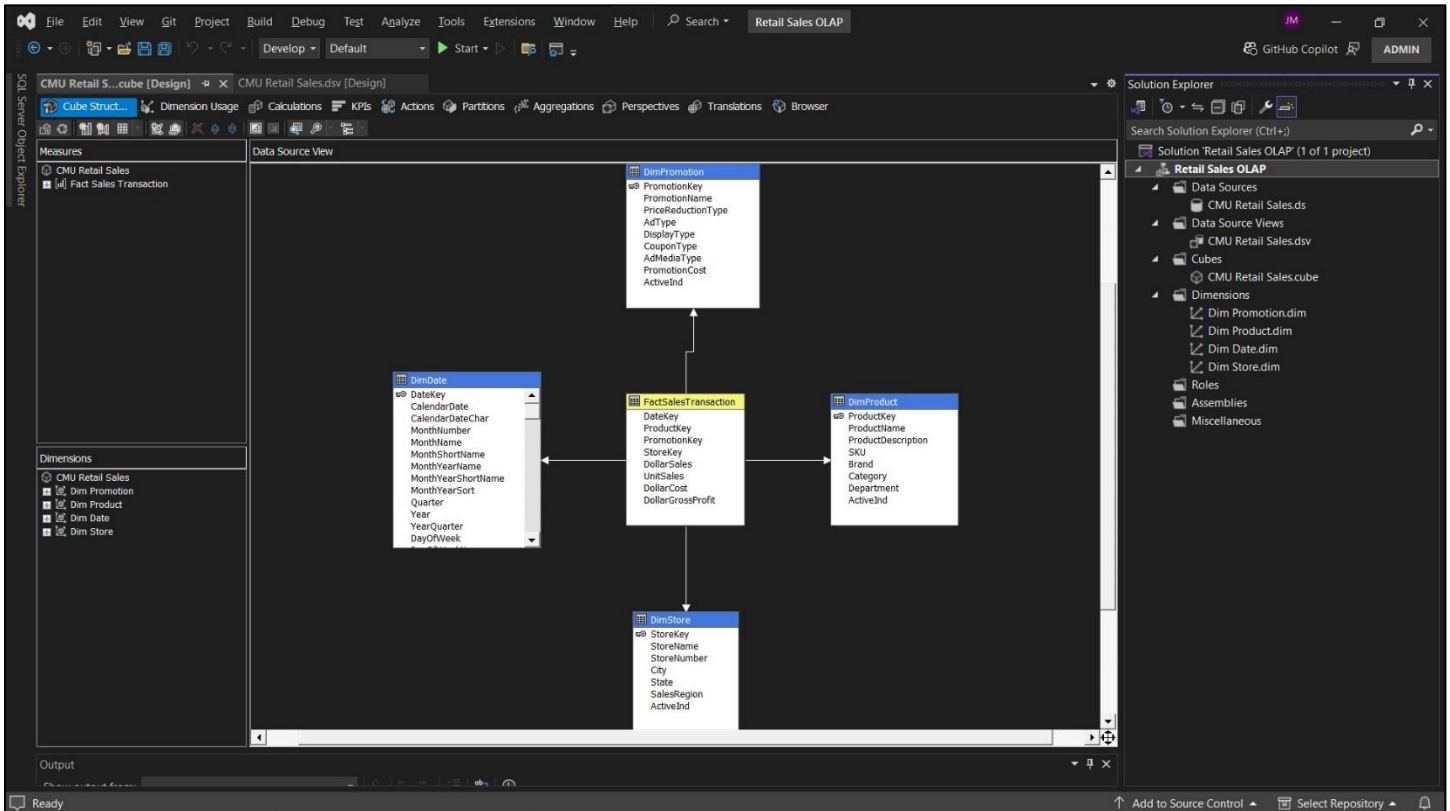
SQL Login Properties



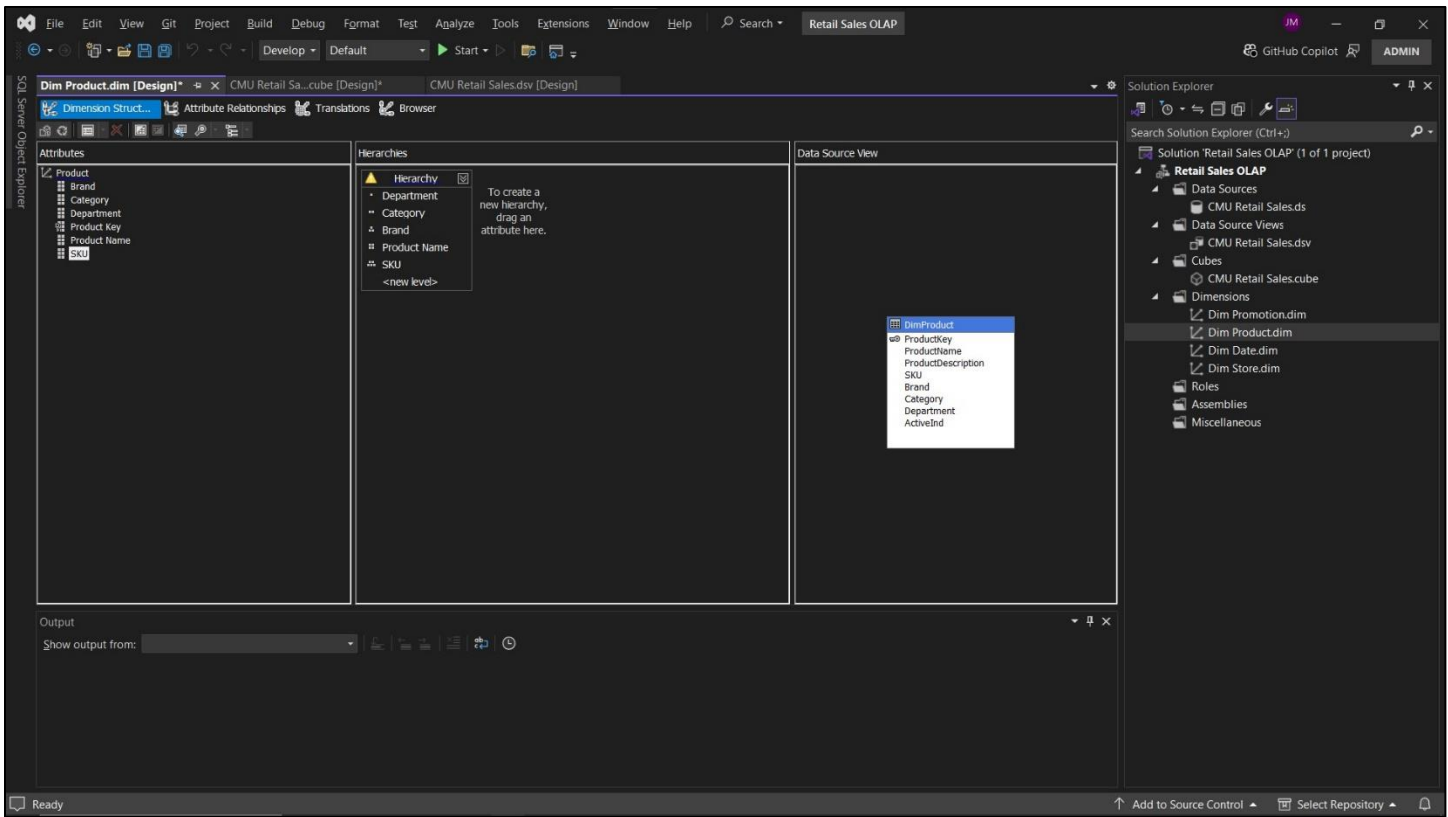
Created Data Source



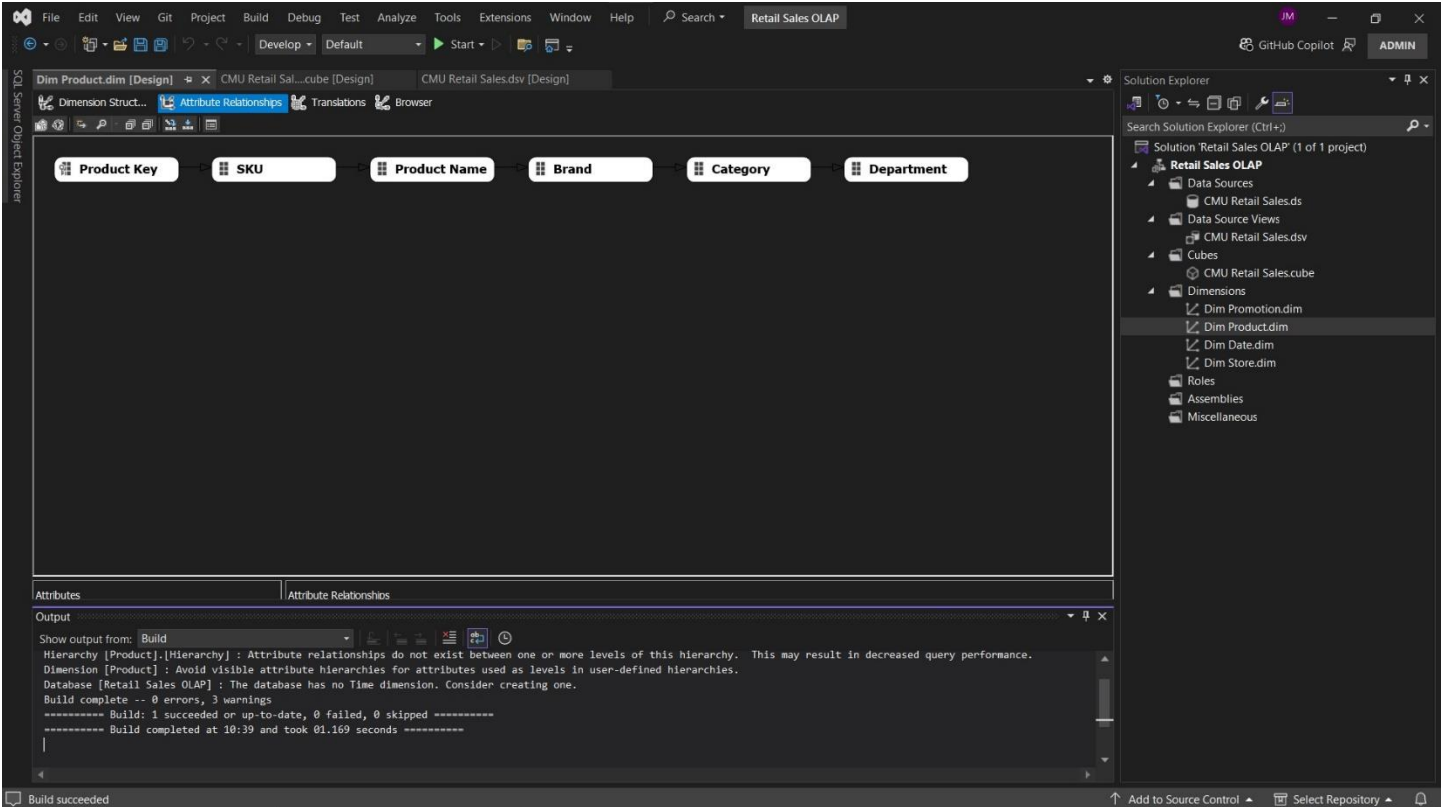
Data Source View



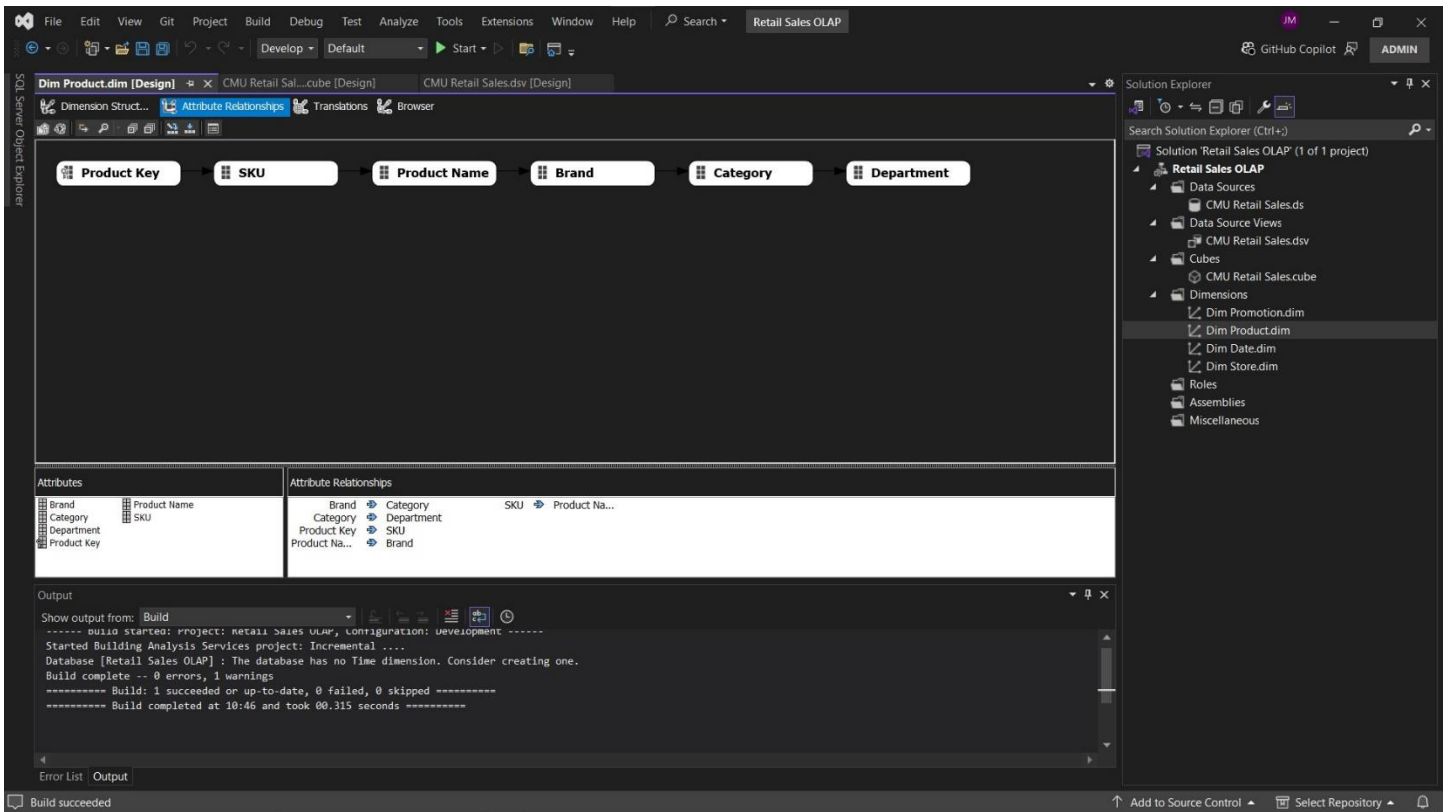
Cube and Dimensions



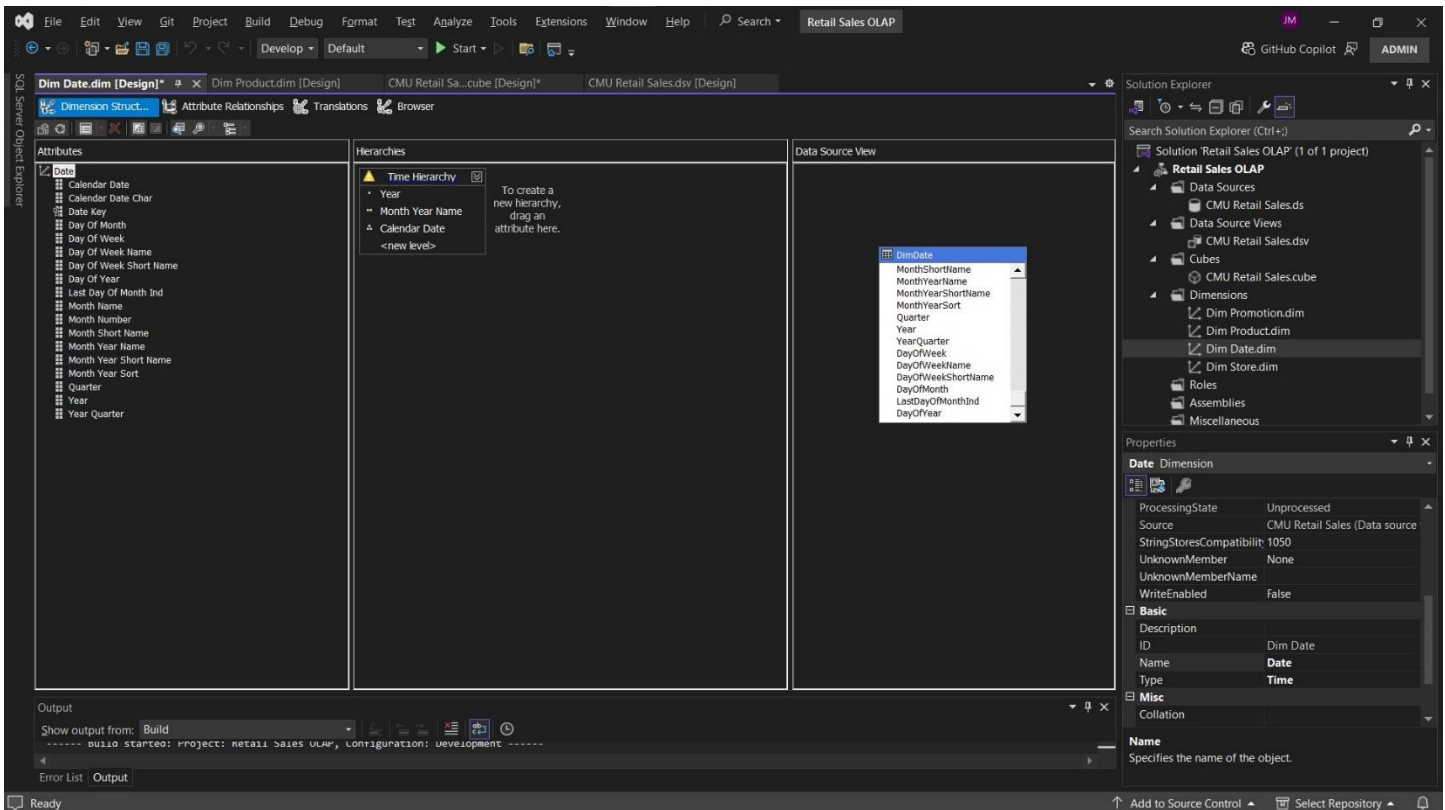
Product Dimension Basic Configuration



Product Dimension Build Retail Sales OLAP

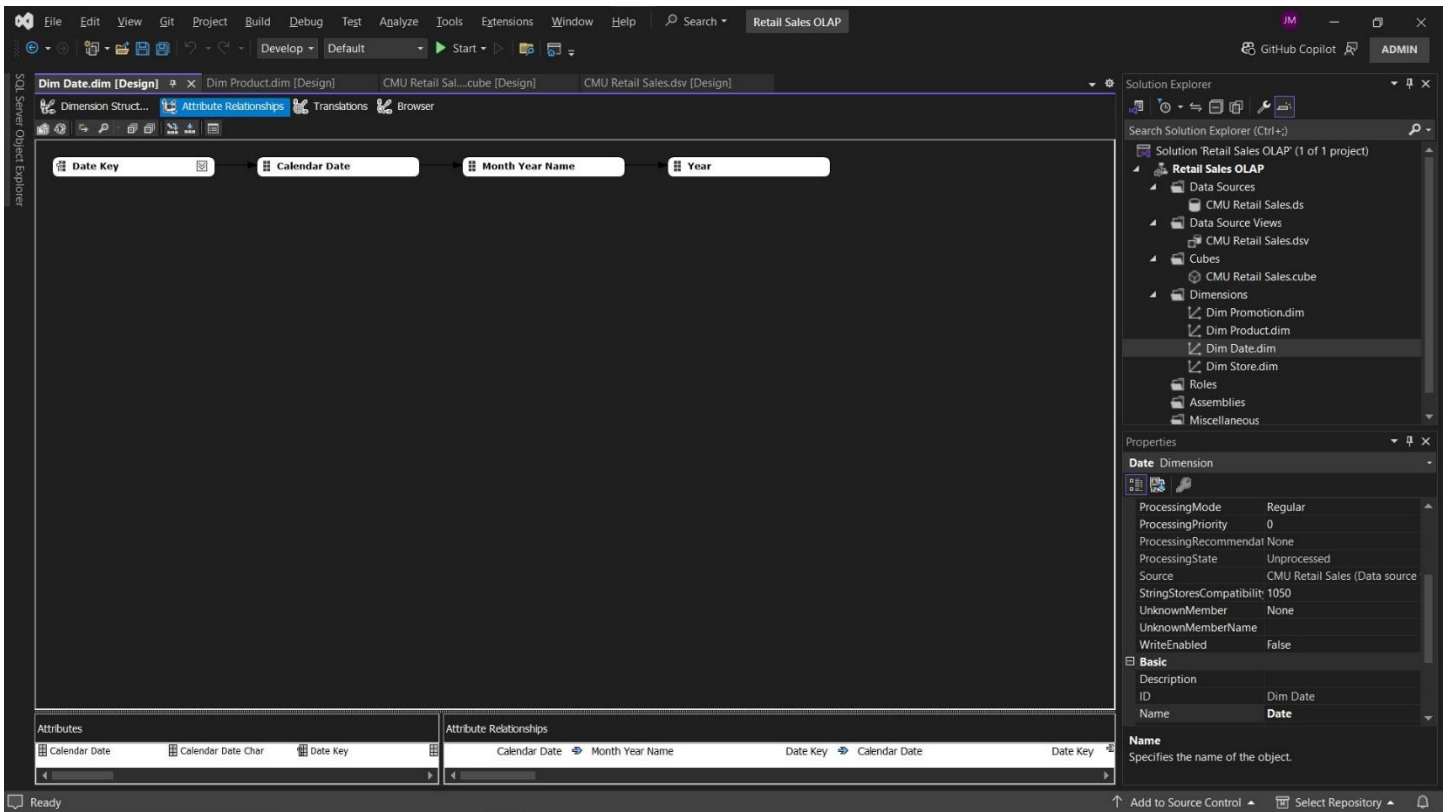


## Product Dimension Rebuild Retail Sales OLAP

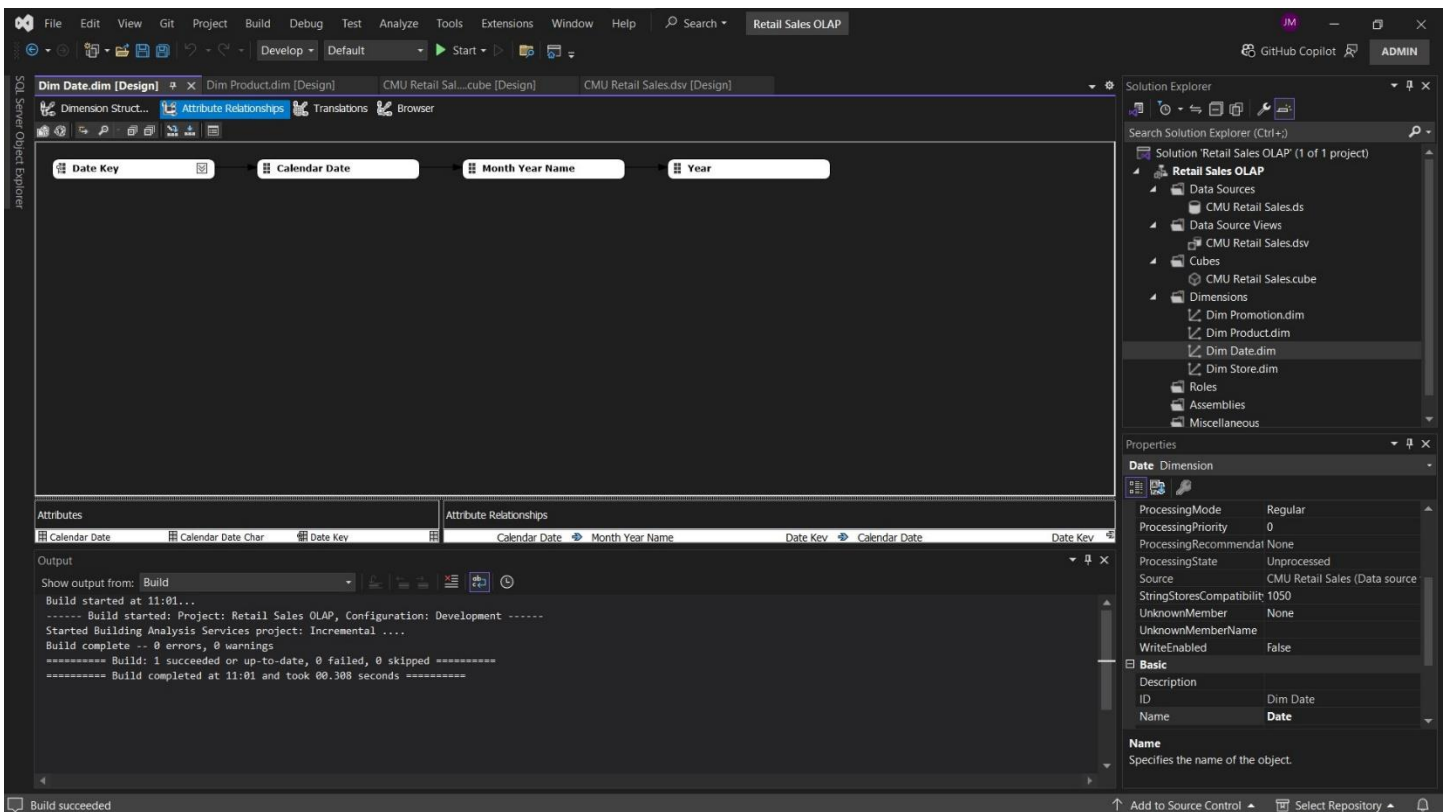


## Date Dimension Basic Configuration

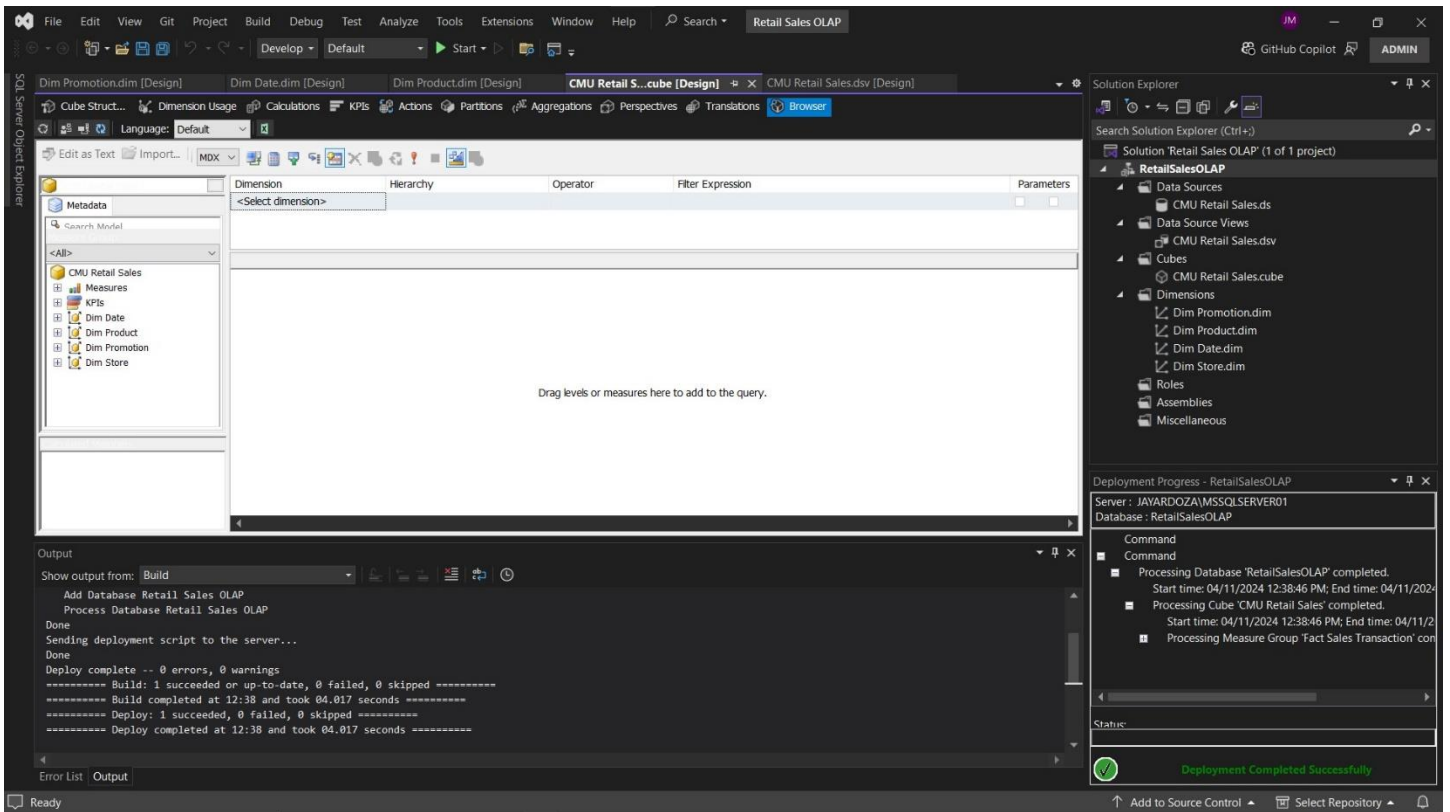




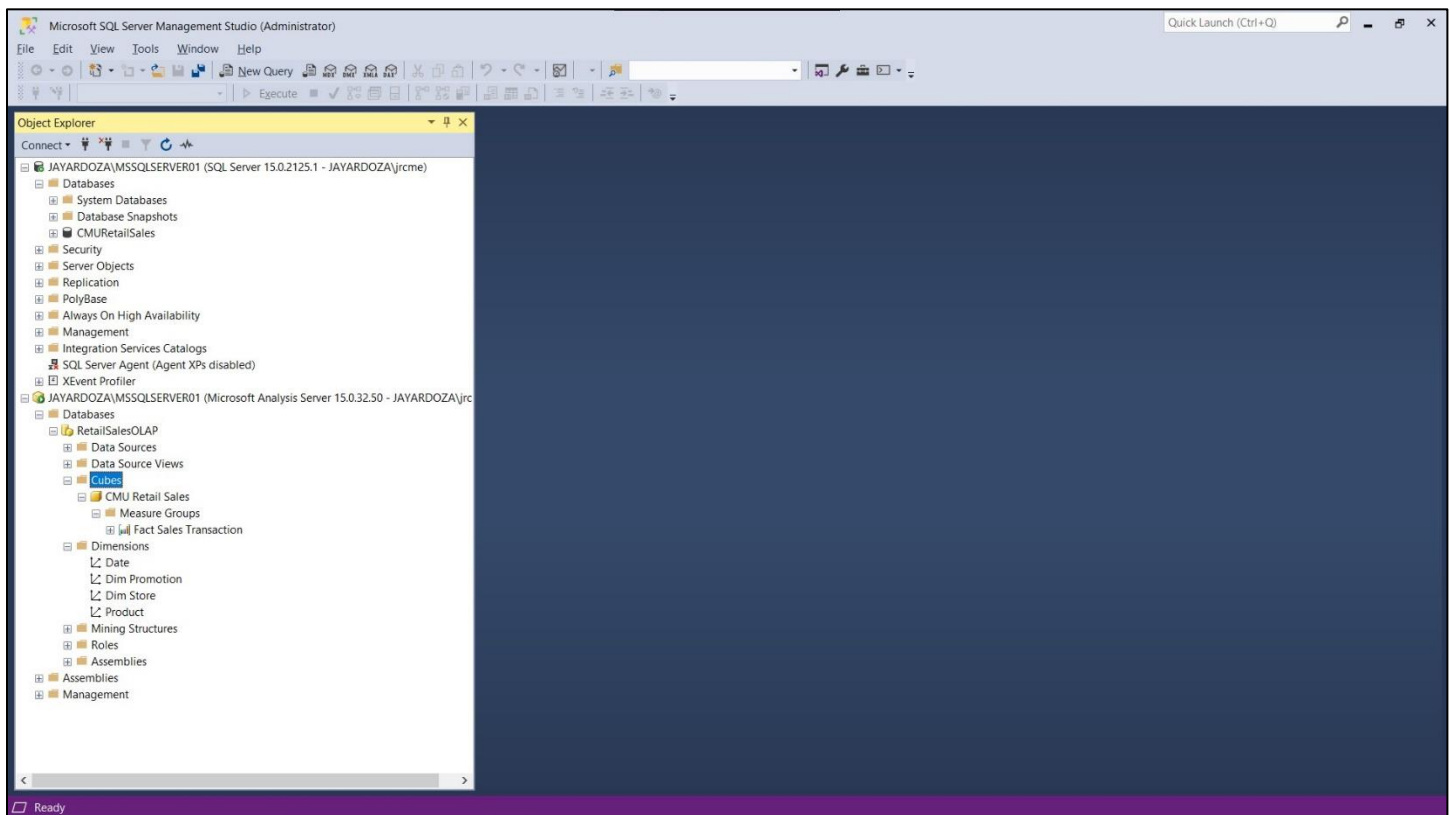
Date Dimension Attribute Relationships



Date Dimension Build Retail Sales OLAP

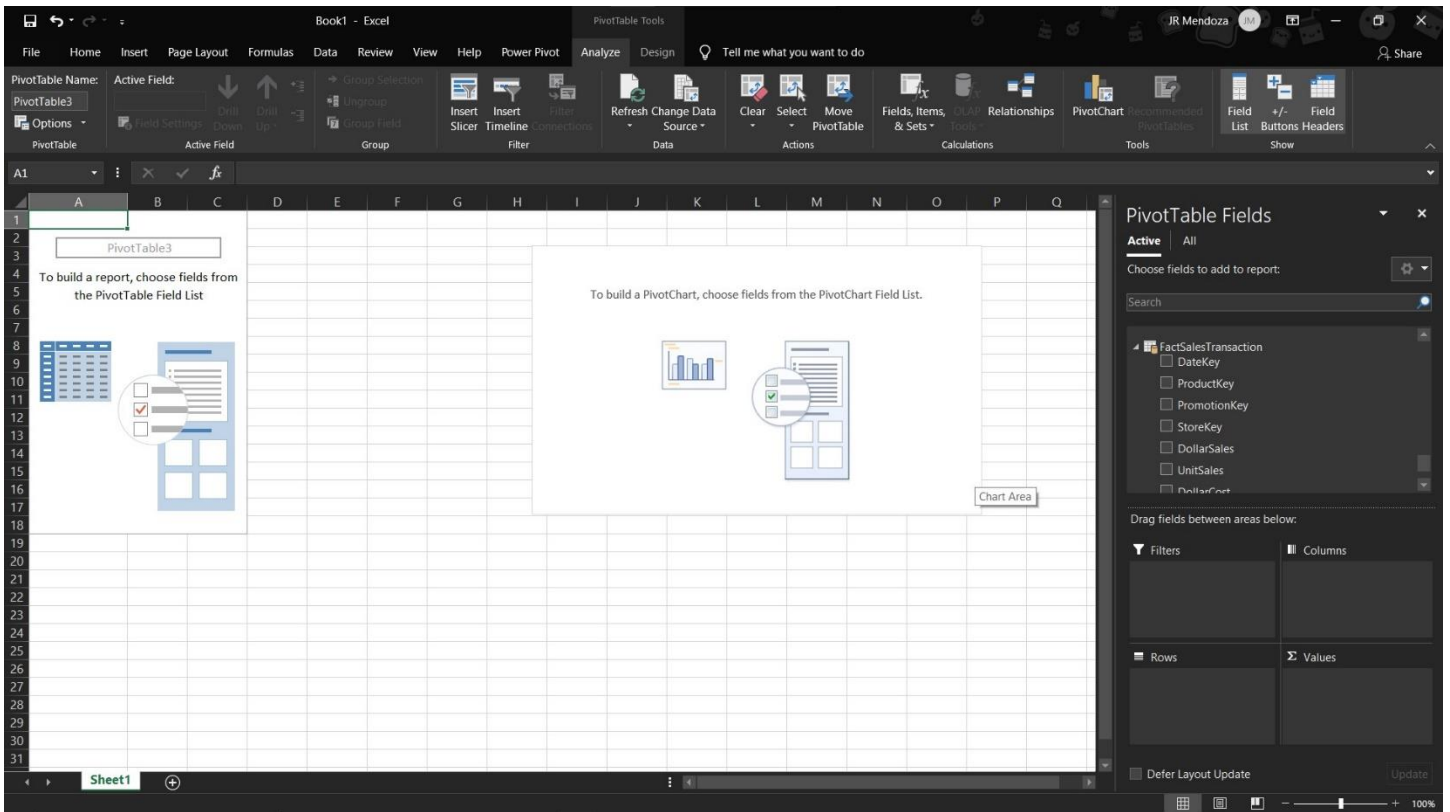


Cube Successful Build and Deploy

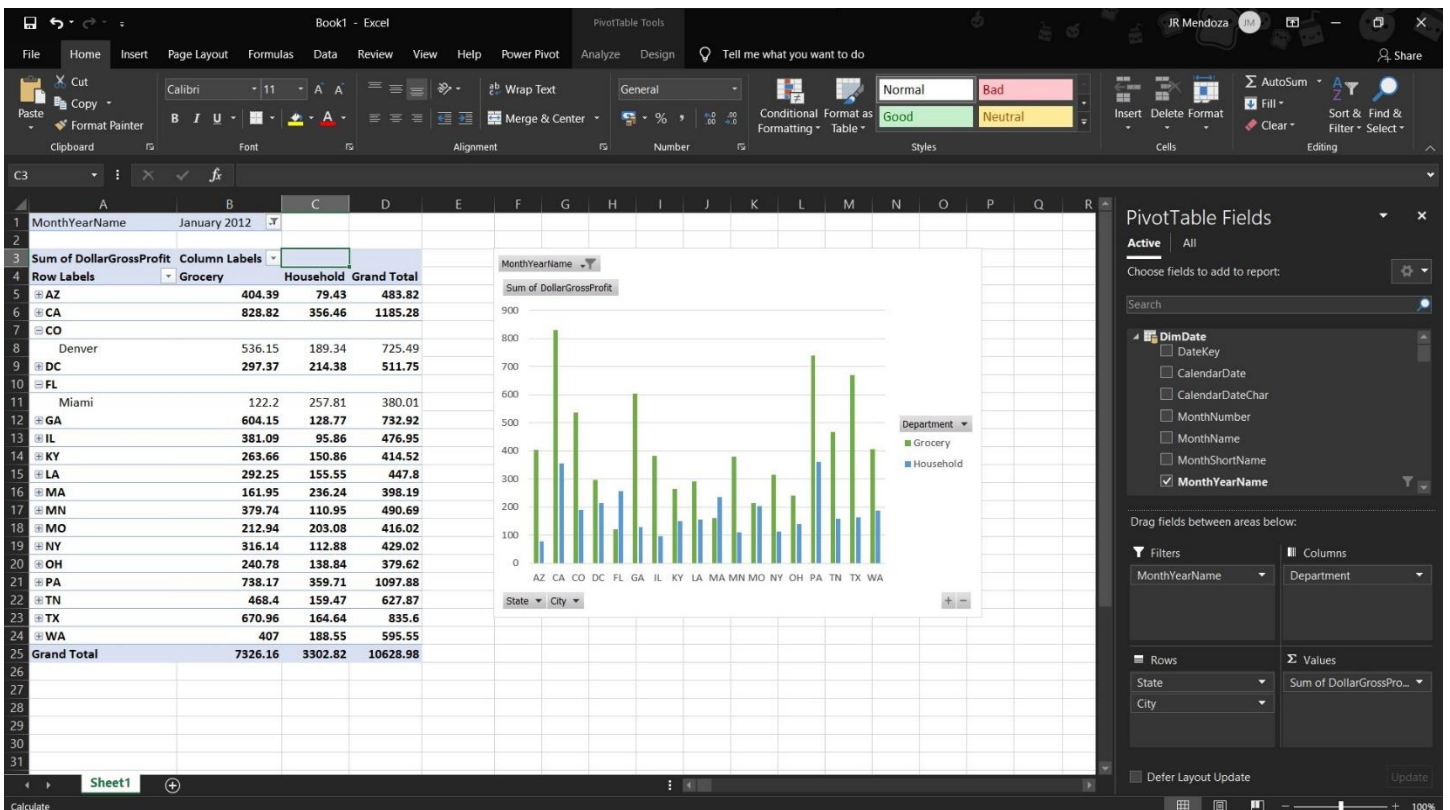


Connect Analysis Services





Pivot Chart and Pivot Table Report

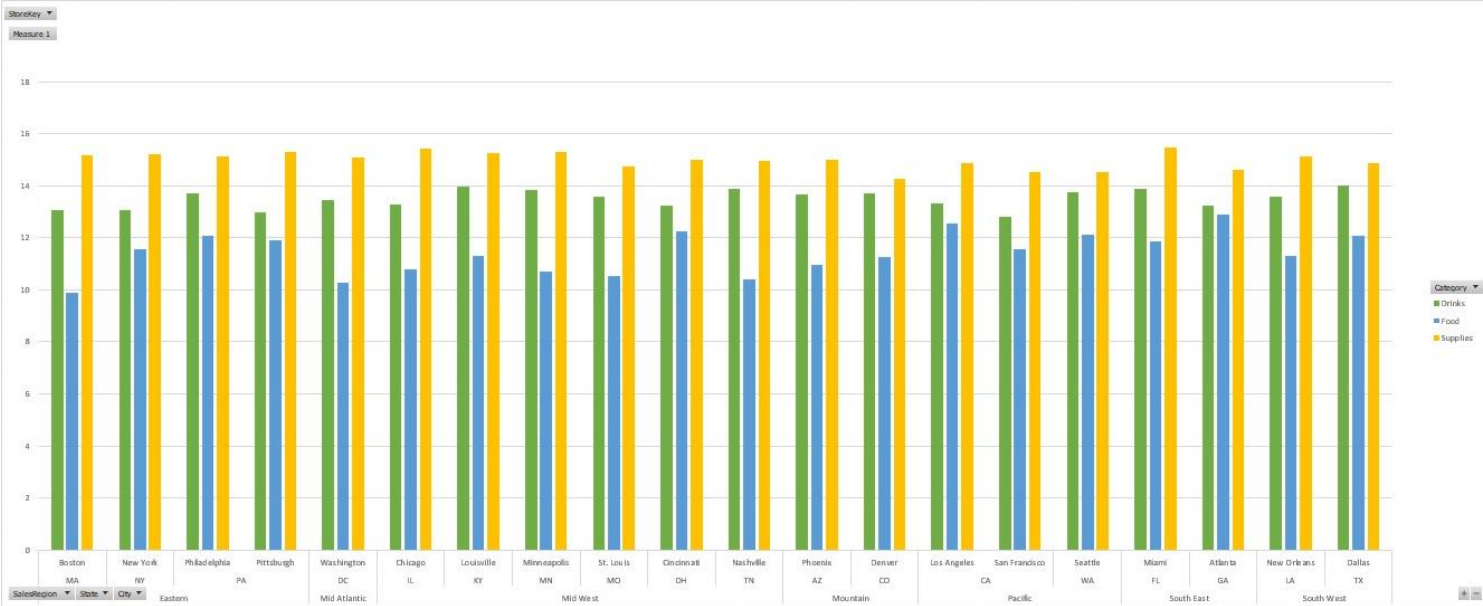


Sample Gross Profit by State-City for Each Department in January 2012





StoreKey	All				
Measure 1	Column Label				
Row Labels	Drinks	Food	Supplies	Grand Total	
Eastern					
MA					
Boston	13.05395583	9.89866344	15.1607706	11.3072243	
NY					
New York	13.0487963	11.5576635	15.1883274	12.3399977	
PA					
Philadelphia	13.72504371	12.0831432	15.134516	12.8474587	
Pittsburgh	12.97649321	11.8926668	15.2739375	12.5319767	
Mid Atlantic					
DC					
Washington	13.46743417	10.2809754	15.0726748	11.7847092	
Mid West					
IL					
Chicago	13.27869826	10.8008372	15.4275955	11.8724339	
KY					
Louisville	13.95107711	11.291873	15.2710961	12.3816745	
MN					
Minneapolis	13.82419878	10.6941892	15.291448	11.987679	
MO					
St. Louis	13.59068046	10.5306164	14.7180216	11.8152383	
OH					
Cincinnati	13.22625263	12.2272855	15.0045829	12.7958102	
TN					
Nashville	13.86709109	10.3869175	14.9411844	11.6951372	
Mountain					
AZ					
Phoenix	13.65971453	10.9572474	14.9879042	11.9843067	
CO					
Denver	13.71165397	11.2790045	14.2750177	12.1452939	
Pacific					
CA					
Los Angeles	13.33228373	12.5685872	14.8792286	13.1344443	
San Francisco	12.78523994	11.555637	14.5427533	12.2789759	
WA					
Seattle	13.74554335	12.111863	14.5430926	12.8043488	
South East					
FL					
Miami	13.87424475	11.8776617	15.4861822	12.7828413	
GA					
Atlanta	13.24603623	12.8925415	14.5995142	13.1959852	
South West					
LA					
New Orleans	13.59848236	11.320347	15.1329133	12.3394404	
TX					
Dallas	14.00618181	12.0798193	14.8843935	12.8178858	
Grand Total	13.49185437	11.44516	14.98703	12.35396	



Gross Margin Calculation