



SQL Scripts - LuvvRisshii

Following SQL scripts are applied to respective to clean and transform the Data set as per business requirement for dashboard visualization

FACT_InternetSales

```
SELECT
    [ProductKey],
    [OrderDateKey],
    [DueDateKey],
    [ShipDateKey],
    [CustomerKey],
    -- , [PromotionKey]
    -- , [CurrencyKey]
    -- , [SalesTerritoryKey]
    [SalesOrderNumber],
    -- [SalesOrderLineNumber],
    -- , [RevisionNumber]
    -- , [OrderQuantity],
    -- , [UnitPrice],
    -- , [ExtendedAmount]
    -- , [UnitPriceDiscountPct]
    -- , [DiscountAmount]
    -- , [ProductStandardCost]
    -- , [TotalProductCost]
    [SalesAmount] -- , [TaxAmt]
    -- , [Freight]
    -- , [CarrierTrackingNumber]
    -- , [CustomerPONumber]
    -- , [OrderDate]
    -- , [DueDate]
    -- , [ShipDate]
FROM
    [AdventureWorksDW2019].[dbo].[FactInternetSales]
WHERE
    LEFT (OrderDateKey, 4) >= YEAR(GETDATE()) - 2 -- Ensures we always only bring two years o
f date from extraction.
ORDER BY
    OrderDateKey ASC
```

Dimension Table Scripts

DIM_Products

```
SELECT
    p.[ProductKey],
    p.[ProductAlternateKey] AS ProductItemCode,
    --      ,[ProductSubcategoryKey],
    --      ,[WeightUnitMeasureCode]
    --      ,[SizeUnitMeasureCode]
    p.[EnglishProductName] AS [Product Name],
    ps.EnglishProductSubcategoryName AS [Sub Category], -- Joined in from Sub Category Table
    pc.EnglishProductCategoryName AS [Product Category], -- Joined in from Category Table
    --      ,[SpanishProductName]
    --      ,[FrenchProductName]
    --      ,[StandardCost]
    --      ,[FinishedGoodsFlag]
    p.[Color] AS [Product Color],
    --      ,[SafetyStockLevel]
    --      ,[ReorderPoint]
    --      ,[ListPrice]
    p.[Size] AS [Product Size],
    --      ,[SizeRange]
    --      ,[Weight]
    --      ,[DaysToManufacture]
    p.[ProductLine] AS [Product Line],
    --      ,[DealerPrice]
    --      ,[Class]
    --      ,[Style]
    p.[ModelName] AS [Product Model Name],
    --      ,[LargePhoto]
    p.[EnglishDescription] AS [Product Description],
    --      ,[FrenchDescription]
    --      ,[ChineseDescription]
    --      ,[ArabicDescription]
    --      ,[HebrewDescription]
    --      ,[ThaiDescription]
    --      ,[GermanDescription]
    --      ,[JapaneseDescription]
    --      ,[TurkishDescription]
    --      ,[StartDate],
    --      ,[EndDate],
    ISNULL (p.Status, 'Outdated') AS [Product Status]
FROM
    [AdventureWorksDW2019].[dbo].[DimProduct] as p
    LEFT JOIN dbo.DimProductSubcategory AS ps ON ps.ProductSubcategoryKey = p.ProductSubcategoryKey
    LEFT JOIN dbo.DimProductCategory AS pc ON ps.ProductCategoryKey = pc.ProductCategoryKey
order by
    p.ProductKey asc
```

DIM_Customers

```
SELECT
    c.customerkey AS CustomerKey,
    --      ,[GeographyKey]
    --      ,[CustomerAlternateKey]
    --      ,[Title]
    c.firstname AS [First Name],
    --      ,[MiddleName]
    c.lastname AS [Last Name],
    c.firstname + ' ' + lastname AS [Full Name],
    -- Combined First and Last Name
    --      ,[NameStyle]
    --      ,[BirthDate]
    --      ,[MaritalStatus]
    --      ,[Suffix]
    CASE c.gender WHEN 'M' THEN 'Male' WHEN 'F' THEN 'Female' END AS Gender,
    --      ,[EmailAddress]
    --      ,[YearlyIncome]
    --      ,[TotalChildren]
    --      ,[NumberChildrenAtHome]
    --      ,[EnglishEducation]
    --      ,[SpanishEducation]
    --      ,[FrenchEducation]
    --      ,[EnglishOccupation]
    --      ,[SpanishOccupation]
    --      ,[FrenchOccupation]
    --      ,[HouseOwnerFlag]
    --      ,[NumberCarsOwned]
    --      ,[AddressLine1]
    --      ,[AddressLine2]
    --      ,[Phone]
    c.datefirstpurchase AS DateFirstPurchase,
    --      ,[CommuteDistance]
    g.city AS [Customer City] -- Joined in Customer City from Geography Table
FROM
    [AdventureWorksDW2019].[dbo].[DimCustomer] as c
    LEFT JOIN dbo.dimgeography AS g ON g.geographykey = c.geographykey
ORDER BY
    CustomerKey ASC -- Ordered List by CustomerKey
```

DIM_Date

```
SELECT
    [DateKey],
    [FullDateAlternateKey] AS Date,
```

```

--[DayNumberOfWeek],
[EnglishDayNameOfWeek] AS Day,
--[SpanishDayNameOfWeek],
--[FrenchDayNameOfWeek],
--[DayNumberOfMonth],
--[DayNumberOfYear],
--[WeekNumberOfYear],
[EnglishMonthName] AS Month,
Left([EnglishMonthName], 3) AS MonthShort,  -- Useful for front end date navigation and
front end graphs.
--[SpanishMonthName],
--[FrenchMonthName],
[MonthNumberOfYear] AS MonthNo,
[CalendarQuarter] AS Quarter,
[CalendarYear] AS Year --[CalendarSemester],
--[FiscalQuarter],
--[FiscalYear],
--[FiscalSemester]
FROM
[AdventureWorksDW2019].[dbo].[DimDate]
WHERE
    CalendarYear >= 2019

```