Lab Exercise 2: Calculations

Scenario

You have created the required relationships in your dataset but feel that you could benefit from some additional data that doesn't currently exist. You will add calculated columns to the tables in your dataset, to fill in the gaps.

The main task for this exercise is adding a Calculated Column.

Task: Add a Calculated Column

1. Click Data in the views pane in Power BI Desktop.
2. Add a calculated column named IncomeStatus to the DimCustomer table, based on the YearlyIncome column. Put the income into income brackets.
3. Add a calculated column named DaysSinceFirstPurchase to the DimCustomer table, to show the number of days since the customer made their first purchase.
4. Add a calculated column to DimCustomer, which concatenates the FirstName and LastName columns into a column named FullName.
5. Add a calculated column to DimCustomer, called MaleFemale, which converts the value of the Gender column to Male, or Female.
6. Add a calculated column to DimCustomer, called Relationship, which converts the value of the MaritalStatus column to Married, or Single.
7. Add a calculated column called MainCategory to the DimProductSubcategory table, which uses the RELATED function to return the name of the category from DimProductCategory.
8. Add a calculated column called PromotionLengthDays to the DimPromotion table to show how many days the promotion lasted. This is the difference between StartDate and EndDate.
9. Add a calculated column called Profit to FactInternetSales. Show the difference between UnitPrice and ProductStandardCost, formatted as currency.
10. Close Power BI Desktop, saving any changes.

Results: At the end of this lesson, you will have calculated columns added to the tables in your dataset.