

ESCUELA POLITECNICA NACIONAL



FACULTAD DE INGENIERÍA DE SISTEMAS

ISWD433-FUNDAMENTOS DE SISTE MAS DE LA INFORMACIÓN

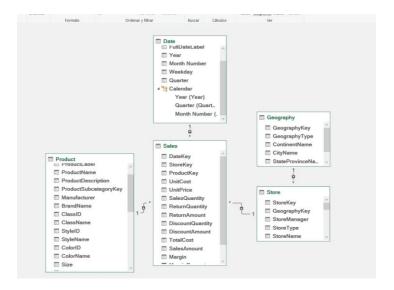
TÍTULO: 03. Hands-On Lab—Creating a Data Model in Power Pivot

Alumnos: Fernando Huilca Villagómez

PROFESOR: Andrés Larco



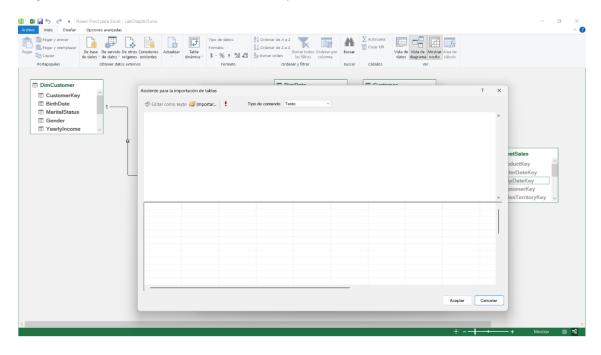
- 1. In the Lab Starters folder, open the LabChap4Starter.xlsx file. This file contains a data model consisting of sales data, product data, and store data.
- 2. View the model in the Power Pivot window using the diagram view Diagrama Entidad Relación:



- 3. Switch to data view in the Power Pivot Window and select the Sales table.
- 4. After the SalesAmount column, click on the Add Column. In the formula bar above the table, enter the following to calculate margin:
- =[SalesAmount] [TotalCost]
- 5. Right click on the new column and rename it Margin.
- 6. Repeat this procedure to create a MarginPercent column with the following formula:
- =[Margin]/[SalesAmount]



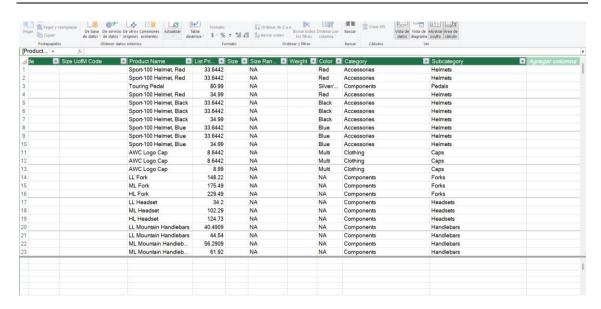
Asignamos los valores en las columnas correspondientes



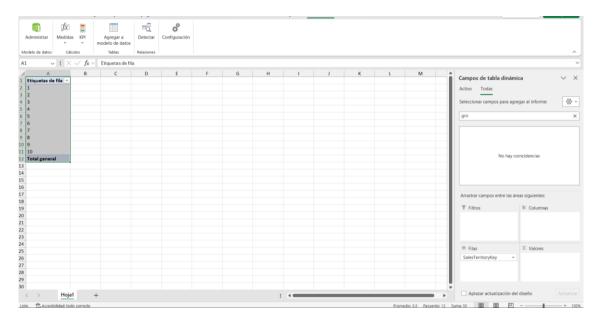
- 7. In the Data View window, select the Date table.
- 8. Use the Date functions to create a Year, Quarter, Month, Month Number, and Weekday column.
- 9. Using the Year, Quarter, and Month columns, create a Calendar hierarchy in the Date table.
- 10. In the Data View window, select the Product table.
- 11. Insert a Weight Label column with the following formula:
- =if(ISBLANK([Weight]),BLANK(), [Weight] & " " & [WeightUnitMeasureID])
- 12. Next to ProductSubcategoryKey, create a ProductCategory column using the related function:

En pantalla se muestran los resultados obtenidos en la ejecución de las instrucciones :





- =RELATED('ProductCategory'[ProductCategoryName])
- 13. Using the related function, create a ProductSubcategory column.
- 14. Hide the ProductCategory and ProductSubcategory tables from the client tools.
- 15. Switch to the Store table and create a Years Open column with the following formula.
- =TRUNC(YEARFRAC([OpenDate],
- If(ISBLANK([CloseDate]),TODAY(),[CloseDate])),0)
- 16. Create a LifetimeSales column using the following formula.
- =SUMX(RELATEDTABLE(Sales),Sales[SalesAmount])



17. Save and close the Excel file