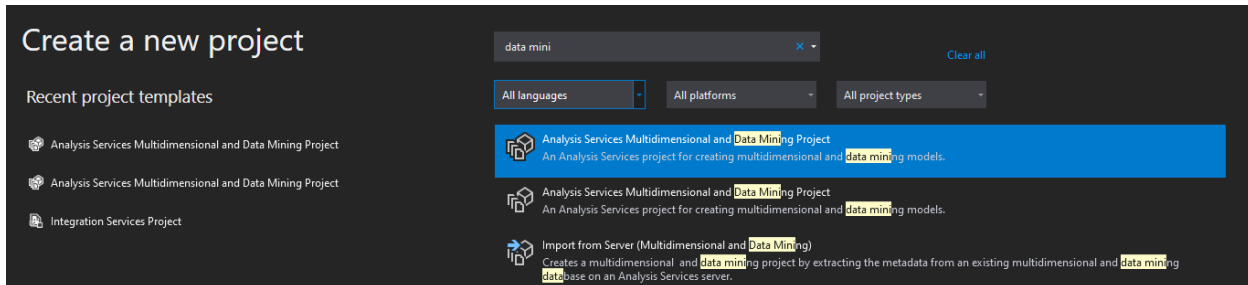
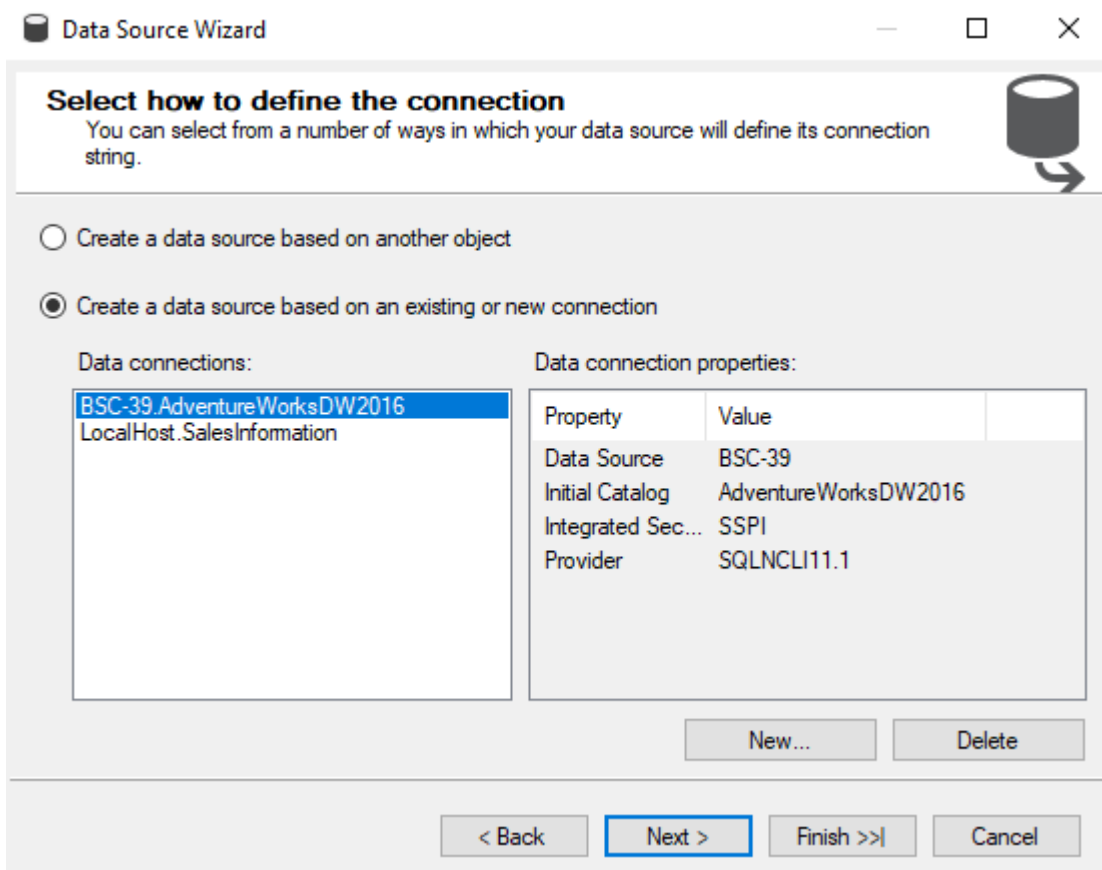



Practical 1

Step 1: Open Application -> Visual Studio 2019 -> Create Project -> Analysis services multidimensional and data mining project -> Create




Step 2: Right Click on Data Sources -> New Data Source



 Data Source Wizard — □ ×

Impersonation Information
You can define what Windows credentials Analysis Services will use to connect to the data source.



☐ Use a specific Windows user name and password

User name:

Password:

☐ Use the service account

☐ Use the credentials of the current user

☒ Inherit

Step 3: Click on Next . Choose “Inherit” option.

Step 4: Right click on Data Source View -> New Data Source View

Data Source View Wizard

Select a Data Source

Select an existing relational data source or create a new one.

Relational data sources:

Adventure Works DW2016

Data source properties:

Property	Value
Data Source	BSC-39
Initial Catalog	AdventureWorksDW2016
Integrated Sec...	SSPI
Provider	SQLNCLI11.1

New Data Source...
Advanced...

< Back
Next >
Finish >>
Cancel

Step 5: Click on Next -> Use filter “Product”. Select Tables and Views. ->

Data Source View Wizard

Select Tables and Views

Select objects from the relational database to be included in the data source view.

Available objects:

Name	Type
------	------

Included objects:

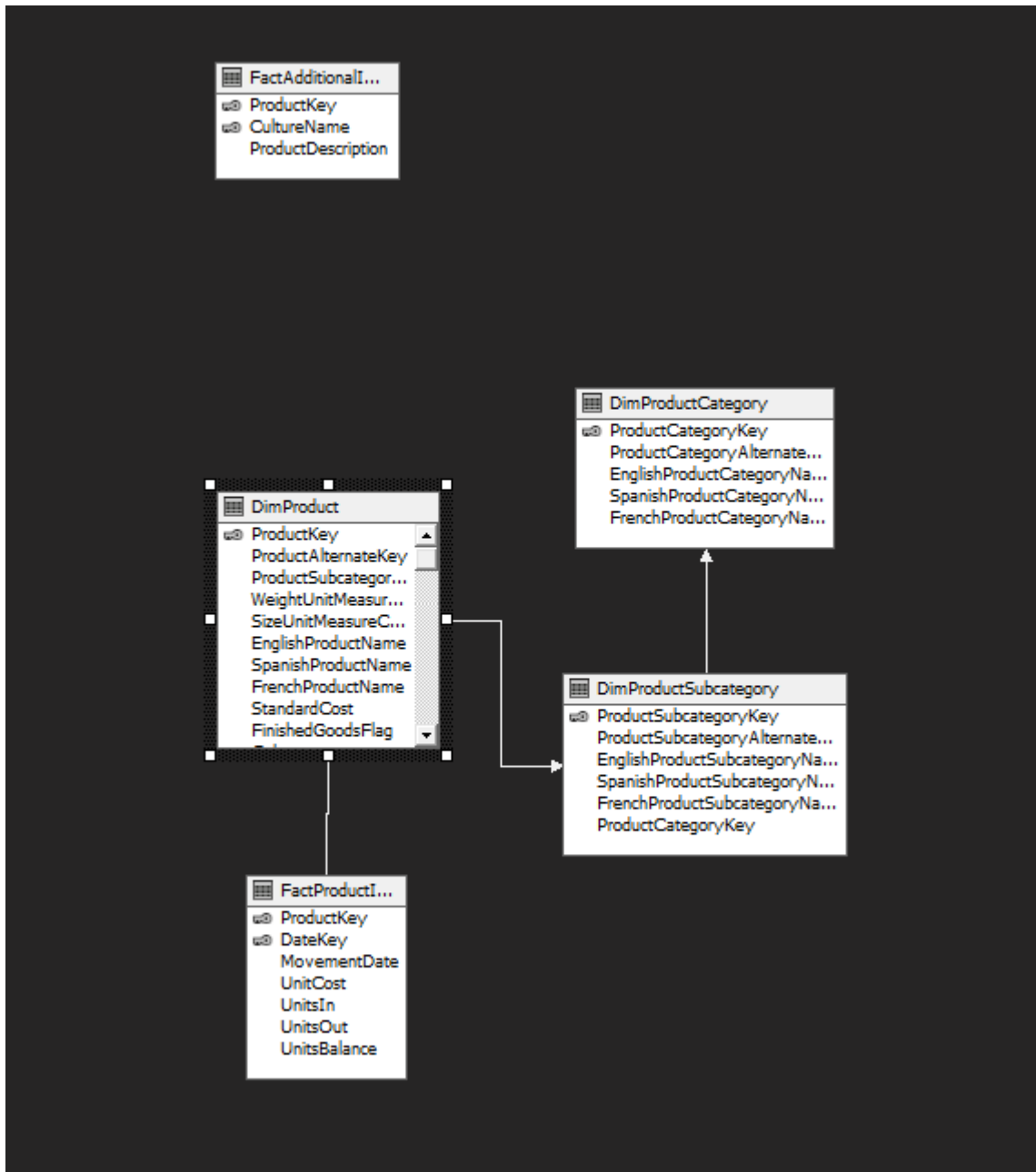
Name	Type
DimProduct (dbo)	Table
DimProductSubcategory...	Table
FactAdditionalIntematio...	Table
DimProductCategory (dbo)	Table
FactProductInventory (d...	Table

Filter: Product


☐ Show system objects
Add Related Tables

< Back
Next >
Finish >>
Cancel

Step 6: Next & Finish Finally, we will get the Data Source View like



Step 7: Right click on Cubes -> New Cube.

 Cube Wizard

Select Creation Method

Cubes can be created by using existing tables, creating an empty cube, or generating tables in the data source.

How would you like to create the cube?

☒ Use existing tables

☐ Create an empty cube

☐ Generate tables in the data source

Template:


(None)

Description:

Create a cube based on one or more tables in a data source.

< Back **Next >** Finish >> Cancel

Step 8: Click Next

 Cube Wizard

Select Measure Group Tables

Select a data source view or diagram and then select the tables that will be used for measure groups.

Data source view:

Adventure Works DW2016

Measure group tables:

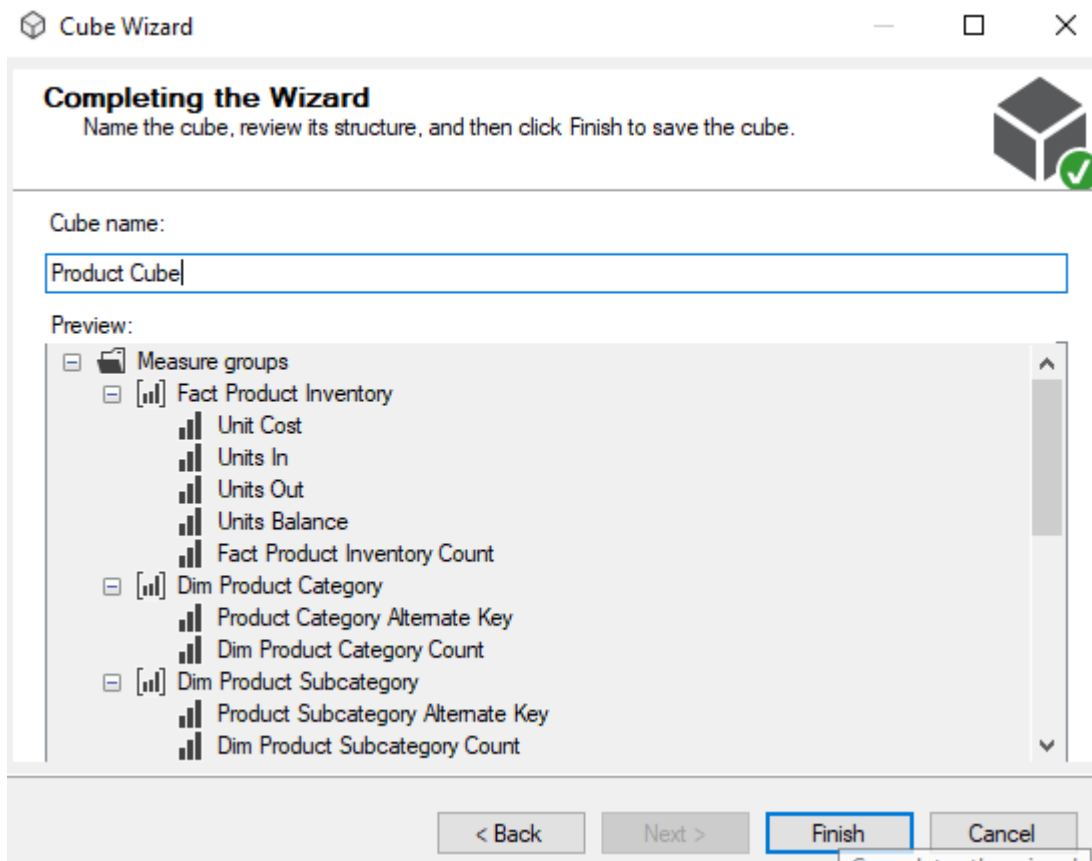
Suggest

<input checked="" type="checkbox"/>	DimProduct
<input checked="" type="checkbox"/>	DimProductSubcategory
<input checked="" type="checkbox"/>	FactAdditionalInternationalProductDescription
<input checked="" type="checkbox"/>	DimProductCategory
<input checked="" type="checkbox"/>	FactProductInventory

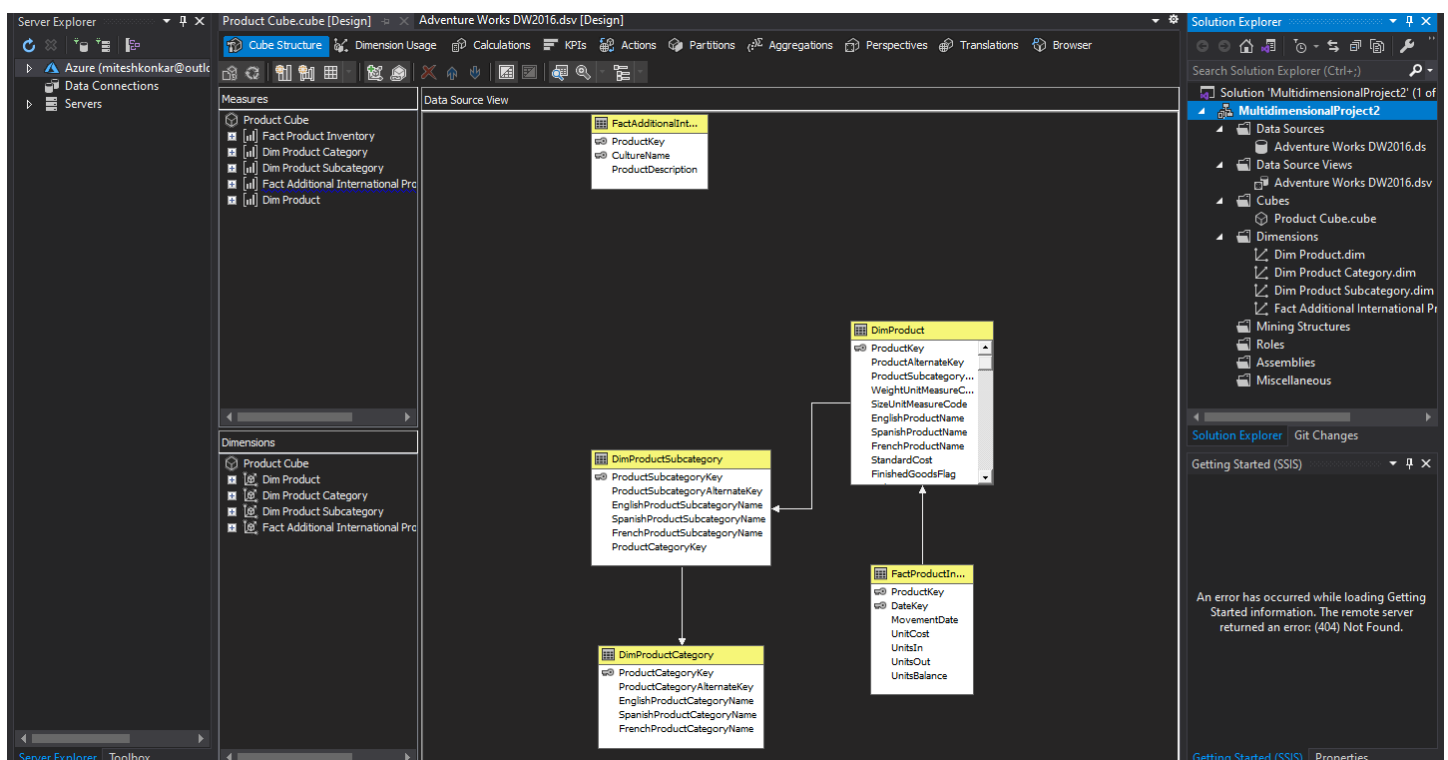
< Back **Next >** Finish >> Cancel

Step 9: Select Data Source View as “Sales Product” and Select all the tables.

Step 10: Next > Next > Name the Cube > Finish




Step 11: Finally, we will get the Cube View as well Dimensions View like :



Step 12: Finally, Process cube by Right click on ProductCube -> Process .

Process Cube - Product Cube

Object list:

Object Name	Type	Process Options	Settings
 Product Cube	Cube	Process Full	

Remove

Impact Analysis...

Batch Settings Summary

Processing order:

Parallel

Transaction mode:

(Default)

Dimension errors:

(Default)

Dimension key error log path :

(Default)

Process affected objects:

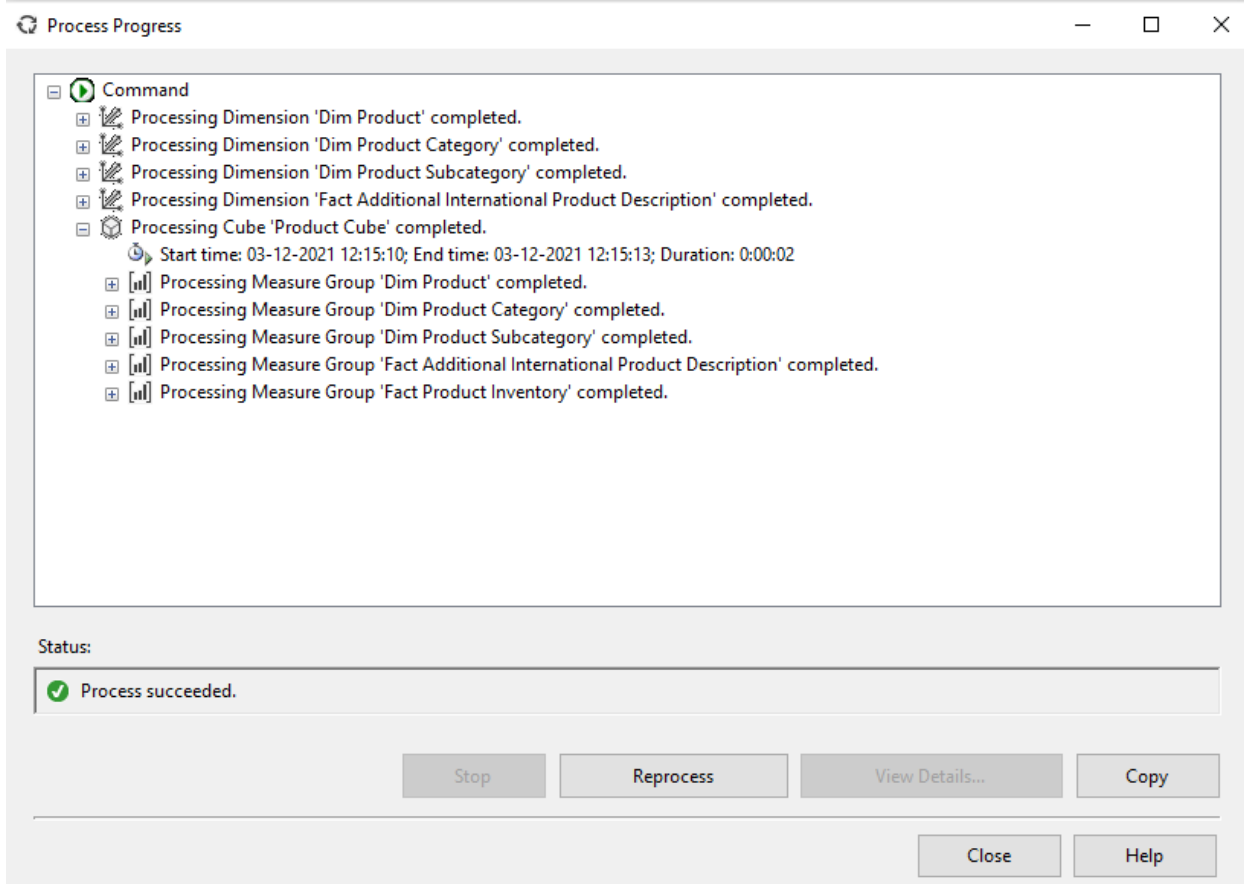
Do not process

Change Settings...

Run...

Close

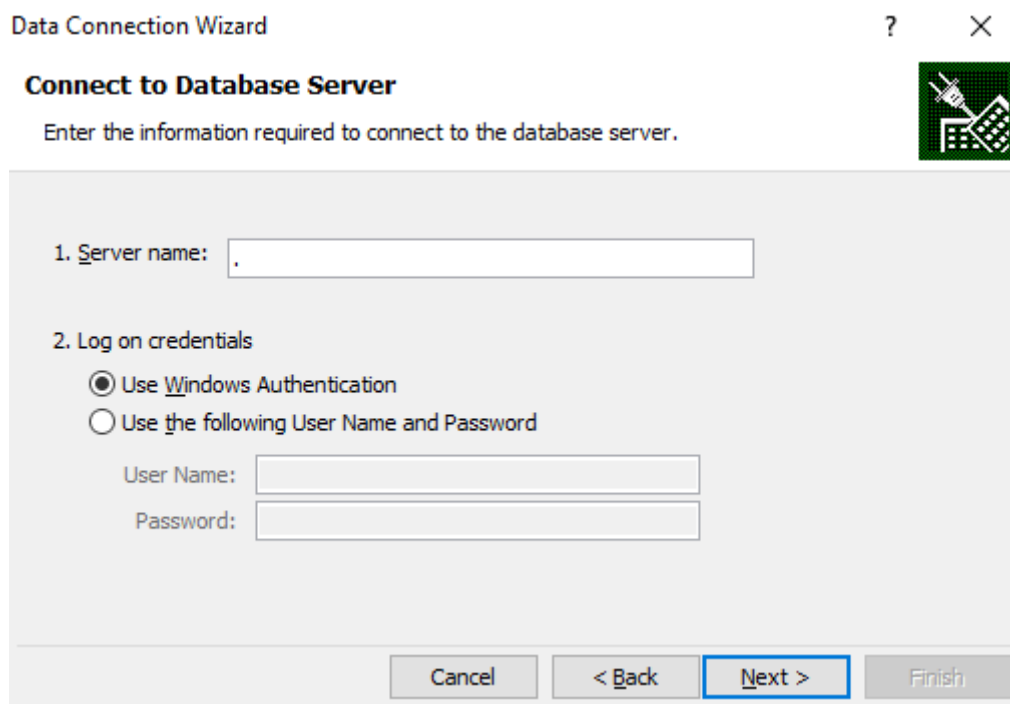
Step 13: Click on Run.



Step 14: Open MS-Excel. Click on Data Menu.

Step 15: Go to From Other Sources.

Step 16: From SQL Server -> Type Server name as “.”



Step 17: Click on Next. Choose SQL Database ->

Data Connection Wizard ? ×


Select Database and Table

Select the Database and Table/Cube which contains the data you want.

Select the database that contains the data you want:

Project 1 ▼

☒ Connect to a specific cube or table:

Name	Description	Modified	Created	Type
 Adventure Works DW2016		3/5/2021 11:19:13 AM		CUBE

Cancel < Back Next > Finish

Data Connection Wizard ? ×

Save Data Connection File and Finish

Enter a name and description for your new Data Connection file, and press Finish to save.

File Name:

. Project 1 Adventure Works DW2016.odc Browse...

☐ Save password in file

Description:

(To help others understand what your data connection points to)

Friendly Name:

. Project 1 Adventure Works DW2016

Search Keywords:

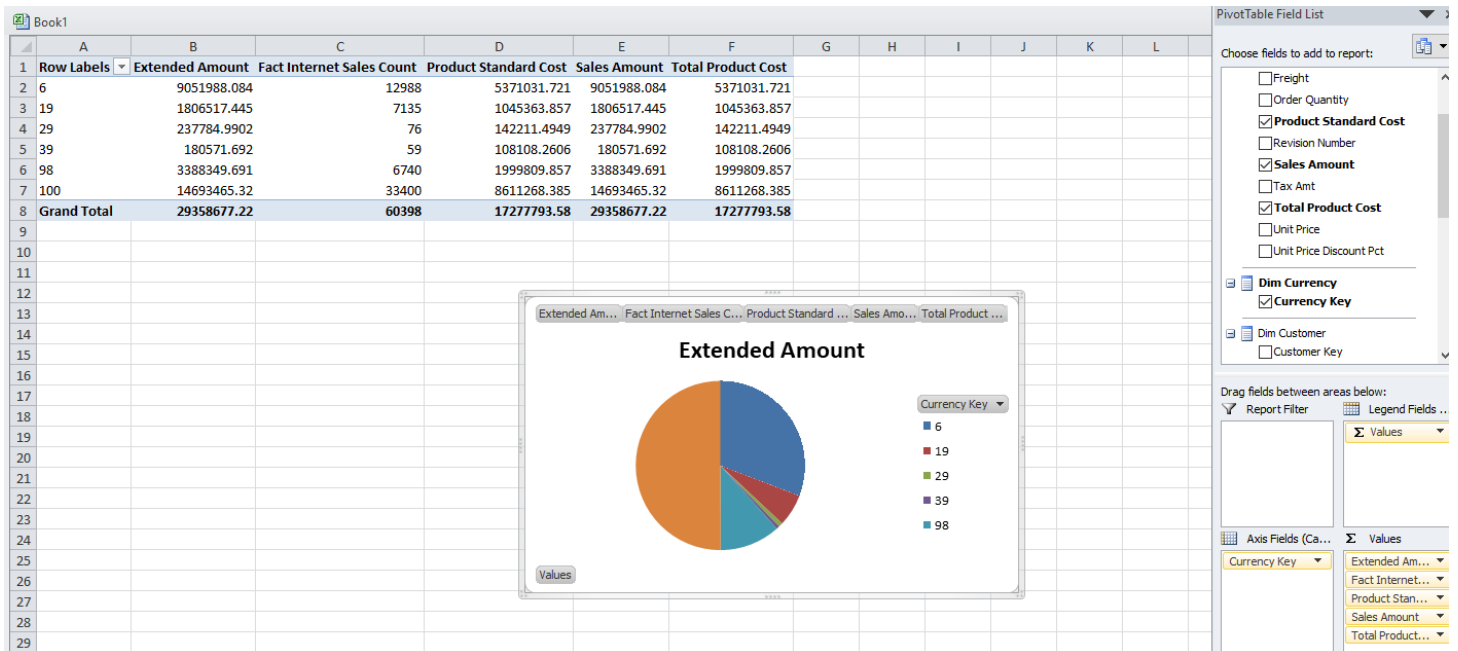
☐ Always attempt to use this file to refresh data

Excel Services: Authentication Settings...

Cancel < Back Next > Finish

Step 18: Click on Finish

Step 19: Select Result Area. Go to Insert Menu. Select Pie Chart option.



Step 20: Select Result Area. Go to Insert Menu. Select Column option.

