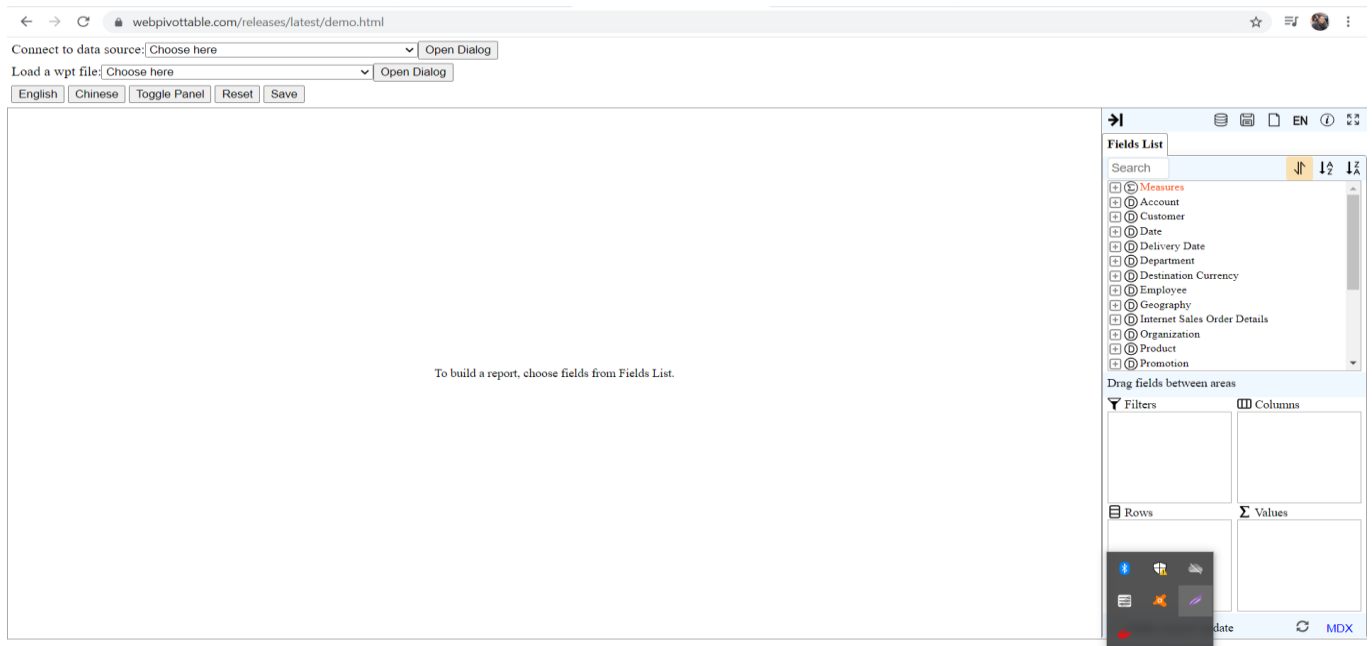


Nama : Fadel Majid Muhammad
Nim : 181402030
Matkul : Data Warehouse & Bisnis Intelligence

1. Load the Data Cube

- Select the preloaded OLAP cube Microsoft Adventure Works (same cube used in tutorial) from the Demo list to create the pivot table.
- Take some time exploring the data cube before beginning on the details of the assignment.



2. Create the Pivot Table

Create a customized pivot table that shows the following:

- Expand the “Promotions” dimension in the Fields List.
- Select “Promotions” field inside the “Promotions” dimensions in the Rows area.
- Expand the “Delivery Date” dimension in the Fields List.

- d. Select “Delivery Date.Month of Year” in the Columns area. If it appears in the Rows area, move it from the Rows to the Columns area.
- e. Expand the Measures in the Fields List.
- f. Select “Average Sales Amount” in the values area
- g. Take a screen snapshot and paste it into a document as the snapshot for part 2 of the WebPivotTable assignment. The snapshot should show All Promotions and All Periods with complete expansion on the rows and columns with Average Sales Amount in the cells.
- h. Keep the sheet open for the next part.

webpivottable.com/releases/latest/demo.html

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<input checked="" type="checkbox"/> All Promotions	\$3,590.42	\$4,484.31	\$5,727.83	\$4,197.65	\$3,105.24	\$4,441.60	\$3,575.58	\$2,412.12	\$3,415.14	\$3,110.92
<input checked="" type="checkbox"/> No Discount	\$3,407.78	\$4,007.91	\$5,289.69	\$3,735.02	\$2,939.88	\$4,319.94	\$3,444.39	\$2,356.91	\$3,354.99	\$3,052.51
<input checked="" type="checkbox"/> Reseller	\$2,474.75	\$4,416.00	\$3,886.08	\$4,406.66	\$2,082.00	\$2,110.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17
<input checked="" type="checkbox"/> Discontinued Product	\$3,218.92									
Mountain-100 Clea...	\$10,455.32									
Mountain-500 Silve...	\$417.73									
<input checked="" type="checkbox"/> Excess Inventory	\$819.44	\$924.91	\$751.04							
Road-650 Overstock	\$819.44	\$924.91	\$751.04							
<input checked="" type="checkbox"/> New Product	\$7,184.00	\$8,419.12	\$8,010.33	\$6,375.83	\$1,836.83					
Touring-3000 Prom...	\$3,785.88	\$4,429.97	\$3,838.18	\$3,557.97	\$742.35					
Touring-1000 Prom...	\$5,371.27	\$5,531.04	\$6,025.90	\$4,926.44	\$2,384.07					
<input checked="" type="checkbox"/> Seasonal Discount	\$250.75	\$250.75								
Sport Helmet Disco...	\$206.91	\$206.91								
Sport Helmet Disco...	\$303.36	\$303.36								
<input checked="" type="checkbox"/> Volume Discount	\$2,166.60	\$4,042.45	\$3,191.03	\$3,511.68	\$2,085.39	\$2,110.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17
Volume Discount 1...	\$1,851.21	\$3,158.55	\$2,844.99	\$2,853.76	\$1,516.82	\$1,775.85	\$1,795.21	\$1,215.43	\$1,524.28	\$1,251.88
Volume Discount 1...	\$2,990.33	\$4,936.52	\$2,529.87	\$3,377.11	\$4,783.66	\$3,558.51	\$2,285.79	\$1,487.06	\$2,367.85	\$1,836.43
Volume Discount 2...	\$1,748.57	\$690.36	\$982.53	\$2,573.99	\$4,758.23	\$1,251.09	\$691.28	\$478.67		
Volume Discount 4...	\$868.49									

Fields List Grid Options

Search

Measures

- ☐ Amount
- ☐ Average Rate
- ☒ Average Sales Amount
- ☐ Average Unit Price
- ☐ Customer Count
- ☐ Discount Amount
- ☐ Discount Percentage
- ☐ End of Day Rate
- ☐ Expense to Revenue Ratio
- ☐ Extended Amount
- ☐ Freight Cost

Drag fields between areas

Filters

Columns

- ☒ Delivery
- ☒ Date.Month of Year
- ☒ (L)All
- ☒ (L)Month of Year

Rows

- ☒ Promotions
- ☒ (L)Category
- ☒ (L)Type
- ☒ (L)Promotion

Values

- ☒ Average Sales Amount

Defer Layout Update MDX

3. Extend the Pivot Table

- a. Add “Source Currency” level (Do NOT include “ALL” level) from the Source Currency dimension to the Filters area.
- b. Create a filter such that the pivot table displays value only for “Canadian Dollar” and “US Dollar”.

- c. Take a screen snapshot and paste it into a document as the snapshot for part 3 of WebPivotTable assignment. The snapshot should show a complete expansion of All Periods and All Promotions with January Average Sales Amount in the cells.
- d. Keep the sheet open for the next part.

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<input checked="" type="checkbox"/> All Promotions	<input checked="" type="checkbox"/> All Periods	\$2,551.91	\$3,823.37	\$3,558.72	\$2,967.84	\$2,442.04	\$2,590.48	\$2,741.77	\$1,828.52	\$2,004.31	\$2,564.22
<input checked="" type="checkbox"/> No Discount		\$2,432.62	\$3,417.23	\$3,266.75	\$2,687.87	\$2,354.47	\$2,471.93	\$2,661.69	\$1,788.00	\$1,970.97	\$2,529.85
<input checked="" type="checkbox"/> Reseller		\$1,905.28	\$4,315.23	\$3,187.23	\$2,809.74	\$1,461.06	\$2,043.53	\$1,345.33	\$1,036.96	\$1,285.05	\$1,004.37
<input checked="" type="checkbox"/> Discontinued Product		\$3,369.30									
Mountain-100 Clea...		\$10,682.72									
Mountain-500 Silve...		\$322.04									
<input checked="" type="checkbox"/> Excess Inventory		\$986.57	\$904.35	\$1,041.38							
Road-650 Overstock		\$986.57	\$904.35	\$1,041.38							
<input checked="" type="checkbox"/> New Product		\$6,313.90	\$3,114.04	\$7,435.87	\$7,169.74	\$742.35					
Touring-3000 Prom...		\$2,908.00	\$1,379.18	\$2,442.33	\$3,966.22	\$742.35					
Touring-1000 Prom...		\$5,015.49	\$2,179.72	\$6,103.22	\$5,644.29						
<input checked="" type="checkbox"/> Seasonal Discount		\$311.64	\$311.64								
Sport Helmet Disco...		\$280.09	\$280.09								
Sport Helmet Disco...		\$374.74	\$374.74								
<input checked="" type="checkbox"/> Volume Discount		\$1,623.94	\$4,444.58	\$2,407.09	\$1,331.60	\$1,472.47	\$2,043.53	\$1,345.33	\$1,036.96	\$1,285.05	\$1,004.37
Volume Discount 1...		\$1,462.75	\$3,472.53	\$2,286.25	\$1,149.68	\$1,496.62	\$1,865.99	\$1,332.06	\$968.96	\$1,285.05	\$990.07
Volume Discount 1...		\$2,552.87	\$7,370.52	\$1,569.52	\$1,483.08	\$490.51	\$2,765.55	\$787.19	\$6,136.68		\$682.58
Volume Discount 2...		\$764.00	\$461.58		\$900.31			\$660.77			

Fields List Grid Options

Search

- ☒ Reseller Sales Order Details
- ☒ Sales Channel
- ☒ Sales Reason
- ☒ Sales Summary Order Details
- ☒ Sales Territory
- ☒ Scenario
- ☒ Ship Date
- ☒ Source Currency
- ☒ Source Currency
- ☒ Source Currency Code

Drag fields between areas

Filters

- ☒ Source Currency
- ☒ Source Currency

Columns

- ☒ Delivery
- ☒ Date Month of Year
- ☒ (All)
- ☒ Month of Year

Rows

- ☒ Promotions
- ☒ (All)
- ☒ Category
- ☒ Type
- ☒ Promotion

Values

- ☒ Average Sales
- ☒ Amount

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4. Extend the Pivot Table with Filter Changes and Rollups

- a. Modify the filter to show results only for the source Currency “EURO”.
- b. Collapse all reseller promotions except for Excess Inventory. Show only the subcategories within the Excess Inventory item.
- c. Remove the pivot chart so that the sheet only displays the pivot table.
- d. Take a screen snapshot and paste it into a document as the snapshot for part 4 of the WebPivotTable assignment. The snapshot should show the Average Sales Amount for All Periods along with a subset of the expansion of All Promotions for Excess Inventory promotions.

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Connect to data source:

Choose here

Open Dialog

Load a wpt file:

Choose here

Open Dialog

English

Chinese

Toggle Panel

Reset

Save

<div><div>⊞</div>All Promotions</div>	<div><div>⊞</div>⊞</div>	\$2,744.71	\$4,185.70	\$3,989.86	\$3,072.58	\$2,681.59	\$2,880.98	\$2,870.53	\$1,943.51	\$2,167.78	\$2,677.46
<div><div>⊞</div>No Discount</div>		\$2,598.25	\$3,662.63	\$3,557.83	\$2,763.26	\$2,558.68	\$2,709.64	\$2,791.97	\$1,905.37	\$2,122.56	\$2,645.66
<div><div>⊞</div>Reseller</div>		\$2,183.36	\$5,056.63	\$4,162.06	\$2,929.41	\$1,834.61	\$2,653.04	\$1,342.77	\$1,022.03	\$1,491.07	\$1,004.37
<div><div>⊞</div>Discontinued Product</div>		\$2,911.37									
<div><div>⊞</div>Excess Inventory</div>		\$1,016.46	\$986.57	\$1,041.38							
<div><div>⊞</div>Road 650 Overstock</div>		\$1,016.46	\$986.57	\$1,041.38							
<div><div>⊞</div>New Product</div>		\$7,258.64	\$6,560.39	\$8,701.09	\$6,929.66	\$742.35					
<div><div>⊞</div>Seasonal Discount</div>		\$352.69	\$352.69								
<div><div>⊞</div>Volume Discount</div>		\$1,797.44	\$4,554.76	\$2,921.53	\$1,314.10	\$1,850.91	\$2,653.04	\$1,342.77	\$1,022.03	\$1,491.07	\$1,004.37

⊞

Fields List

Grid Options

Search

⊞

Measures

⊞

Account

⊞

Customer

⊞

Date

⊞

Delivery Date

⊞

Department

⊞

Destination Currency

⊞

Employee

⊞

Geography

⊞

Internet Sales Order Details

⊞

Organization

⊞

Product

⊞

Promotion

Drag fields between areas

⊞

Filters

⊞

Source Currency

⊞

Source Currency

⊞

Columns

⊞

Delivery

⊞

Date.Month of Year

⊞

(All)

⊞

Month of Year

⊞

Rows

⊞

Promotions

⊞

(All)

⊞

Category

⊞

Type

⊞

Promotion

⊞

Values

⊞

Average Sales

⊞

Amount

⊞

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MDX