

Nama : Karina Putri Kaban

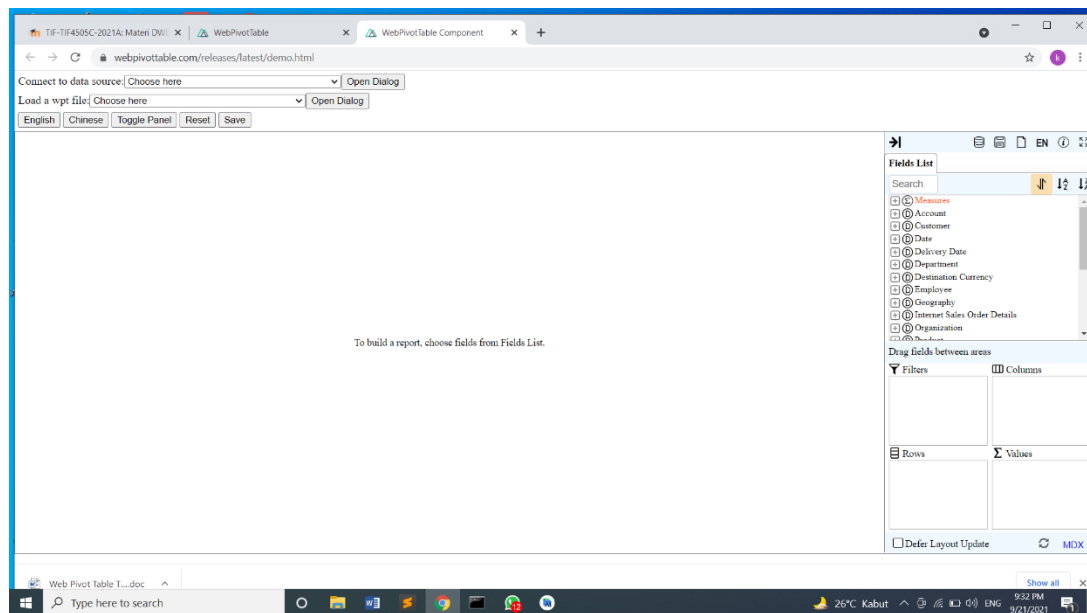
NIM : 181402090

KOM: C

TUGAS 2 Data Warehouse dan 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.
- 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.
- 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.

The screenshot shows the WebPivotTable application interface. At the top, there are tabs for 'E-Learning Universitas Sumatera', 'WebPivotTable', and 'WebPivotTable Component'. The main window displays a pivot table with the following data:

	All Periods						
All Promotions	\$3,590.42	\$4,484.31	\$5,727.83	\$4,197.65	\$3,105.24	\$4,441.60	\$3,575.58
No Discount	\$3,407.78	\$4,007.91	\$5,289.69	\$3,735.02	\$2,939.88	\$4,319.94	\$3,444.39
Reseller	\$2,474.75	\$4,416.00	\$3,886.08	\$4,406.66	\$2,082.00	\$2,110.07	\$1,953.38
Discontinued Product	\$3,218.92						
Mountain-100 Clea...	\$10,455.32						
Mountain-500 Silve...	\$417.73						
Excess Inventory	\$819.44	\$924.91	\$751.04				
Road-650 Overstock	\$819.44	\$924.91	\$751.04				
New Product	\$7,184.00	\$8,419.12	\$8,010.33				
Touring-3000 Prom...	\$3,785.88	\$4,429.97	\$3,838.18				
Touring-1000 Prom...	\$5,371.27	\$5,531.04	\$6,025.90				
Seasonal Discount	\$250.75	\$250.75					
Sport Helmet Disco...	\$206.91	\$206.91					
Sport Helmet Disco...	\$303.36	\$303.36					
Volume Discount	\$2,166.60	\$4,042.45	\$3,191.03	\$3,511.68	\$2,085.39	\$2,110.07	\$1,953.38
Volume Discount 1...	\$1,851.21	\$3,158.55	\$2,844.99	\$2,853.76	\$1,516.82	\$1,775.85	\$1,795.21
Volume Discount 1...	\$2,990.33	\$4,936.52	\$2,529.87	\$3,377.11	\$4,783.66	\$3,558.51	\$2,285.79
Volume Discount 2...	\$1,748.57	\$690.36	\$982.53	\$2,573.99	\$4,758.23	\$1,251.09	\$691.28
Volume Discount 4...	\$868.49						

On the right side, the 'Pivot Options' panel is visible. It includes a search bar, a list of fields to add (Promotion Category, Promotion Type, Promotions, Category, Type, Promotion, Start Date), and a 'Drag fields between areas' section. The 'Filters' section is empty. The 'Columns' section contains 'Date.Month of Year', 'Date.Month of Year', 'Date.Month of Year', and 'Date.Month of Year'. The 'Rows' section contains 'Date.Month of Year', 'Date.Month of Year', 'Date.Month of Year', and 'Date.Month of Year'. The 'Values' section contains 'Average Sales Amount'. A tooltip is visible over the pivot table with the text: 'Rows: Sport Helmet Discount-2002', 'Columns: Average Sales Amount', 'Values: null', and 'DoubleClick to drill through.'

Connect to data source: Choose here Open Dialog

Load a wpt file: Choose here Open Dialog

English Chinese Toggle Panel Reset Save

<input checked="" type="checkbox"/> All Promotions	1.60	\$3,575.58	\$2,412.12	\$3,415.14	\$3,110.92	\$2,836.69	\$3,707.16	\$3,066.49
<input checked="" type="checkbox"/> No Discount	9.94	\$3,444.39	\$2,356.91	\$3,354.99	\$3,052.51	\$2,702.87	\$3,597.40	\$2,893.60
<input checked="" type="checkbox"/> Reseller	0.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17	\$1,965.25	\$1,617.58	\$2,313.47
<input checked="" type="checkbox"/> Discontinued Product							\$417.07	\$4,963.47
Mountain-100 Clea...								\$10,455.32
Mountain-500 Silve...							\$417.07	\$418.48
<input checked="" type="checkbox"/> Excess Inventory								
Road-650 Overstock								
<input checked="" type="checkbox"/> New Product								
Touring-3000 Prom...								
Touring-1000 Prom...								
<input checked="" type="checkbox"/> Seasonal Discount								
Sport Helmet Disco...								
<input checked="" type="checkbox"/> Volume Discount	0.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17	\$1,965.25	\$1,665.78	\$1,652.52
Volume Discount 1...	5.85	\$1,795.21	\$1,215.43	\$1,524.28	\$1,251.88	\$1,573.24	\$1,584.37	\$1,465.60
Volume Discount 1...	8.51	\$2,285.79	\$1,487.06	\$2,367.85	\$1,836.43	\$3,147.90	\$1,513.42	\$1,593.14
Volume Discount 2...	1.09	\$691.28	\$478.67			\$803.27	\$473.64	\$6,749.77
Volume Discount 4...						\$1,097.62	\$639.37	

Rows: Sport Helmet Discount-2003
Columns: Average Sales Amount
Values: null
DoubleClick to drill through.

Search

Drag fields between areas

Filters

Columns

Rows

Defer Layout Update MDX

3. Extend the Pivot Table

- Add "Source Currency" level (Do NOT include "ALL" level) from the Source Currency dimension to the Filters area.
- Create a filter such that the pivot table displays value only for "Canadian Dollar" and "US Dollar".
- 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.
- Keep the sheet open for the next part.

The screenshot shows the WebPivotTable application interface. At the top, there are browser tabs for 'E-Learning Universitas Sumatera', 'WebPivotTable', 'WebPivotTable Component', and 'google translate - Penelusuran'. The address bar shows 'webpivottable.com/releases/latest/demo.html'. Below the browser tabs, there are controls for connecting to a data source and loading a wpt file, both with 'Open Dialog' buttons. There are also buttons for 'English', 'Chinese', 'Toggle Panel', 'Reset', and 'Save'.

The main area displays a pivot table with the following data:

Promotion	January
All Promotions	\$5,485.85
No Discount	\$4,904.10
Reseller	\$4,999.50
Excess Inventory	\$822.14
Road-650 Overstock	\$822.14
New Product	\$10,428.79
Touring-3000 Prom...	\$5,589.74
Touring-1000 Prom...	\$6,873.46
Seasonal Discount	\$224.90
Sport Helmet Disco...	\$199.05
Sport Helmet Disco...	\$261.54
Volume Discount	\$4,904.20
Volume Discount 1...	\$3,743.68
Volume Discount 1...	\$5,586.41
Volume Discount 2...	\$667.80

On the right side, there is a configuration panel with the following sections:

- Filters:** (H)Source Currency, (L)Source Currency
- Columns:** (H)Delivery, (H)Date.Month of Year, (L)Month of Year
- Rows:** (L)(All), (L)Category, (L)Type, (L)Promotion
- Values:** (H)Average Sales Amount

At the bottom of the configuration panel, there is a checkbox for 'Defer Layout Update' and a button for 'MDX'.

4. Extend the Pivot Table with Filter Changes and Rollups

- Modify the filter to show results only for the source Currency "EURO".
- Collapse all reseller promotions except for Excess Inventory. Show only the subcategories within the Excess Inventory item.
- Remove the pivot chart so that the sheet only displays the pivot table.
- 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.

E-Learning Universitas Sumatera

WebPivotTable

WebPivotTable Component

google translate - Penelusuran

webpivottable.com/releases/latest/demo.html

Connect to data source: Choose here Open Dialog

Load a wpt file: Choose here Open Dialog

EnglishChineseToggle PanelResetSave

<input checked="" type="checkbox"/> All Promotions	<input checked="" type="checkbox"/> All Periods	\$15,181.20	\$22,367.74	\$18,716.84	\$9,671.04	\$15,891.07	\$19,594.37	\$12,399.37
<input type="checkbox"/> No Discount		\$13,185.02	\$15,553.47	\$13,697.19	\$7,820.78	\$13,659.27	\$16,164.42	\$12,312.02
<input type="checkbox"/> Reseller		\$8,579.23	\$14,991.38	\$15,581.49	\$4,553.44	\$7,811.32	\$12,862.34	\$1,135.64
<input type="checkbox"/> Excess Inventory		\$1,315.42	\$1,315.42					
Road-650 Overstock		\$1,315.42	\$1,315.42					

Field ListField Options

Search

☐ Promotion Category

☐ Promotion Type

☒ Promotions

☒ (All)

☒ Category

☒ Type

☒ Promotion

☐ Start Date

Drag fields between areas

Filters

Source Currency

Source Currency

Columns

Delivery

Date.Month of Year

(All)

Month of Year

Rows

Promotions

(All)

Category

Type

Values

Average Sales Amount

☐ Defer Layout UpdateMDX

Type here to search

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