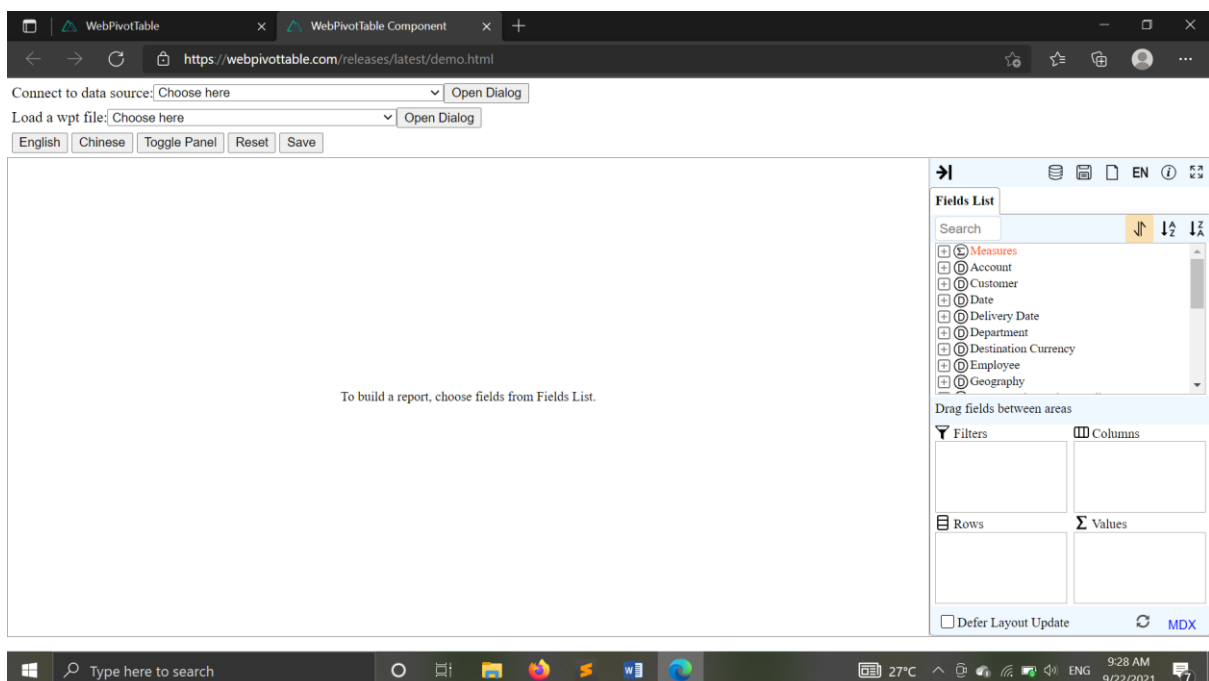
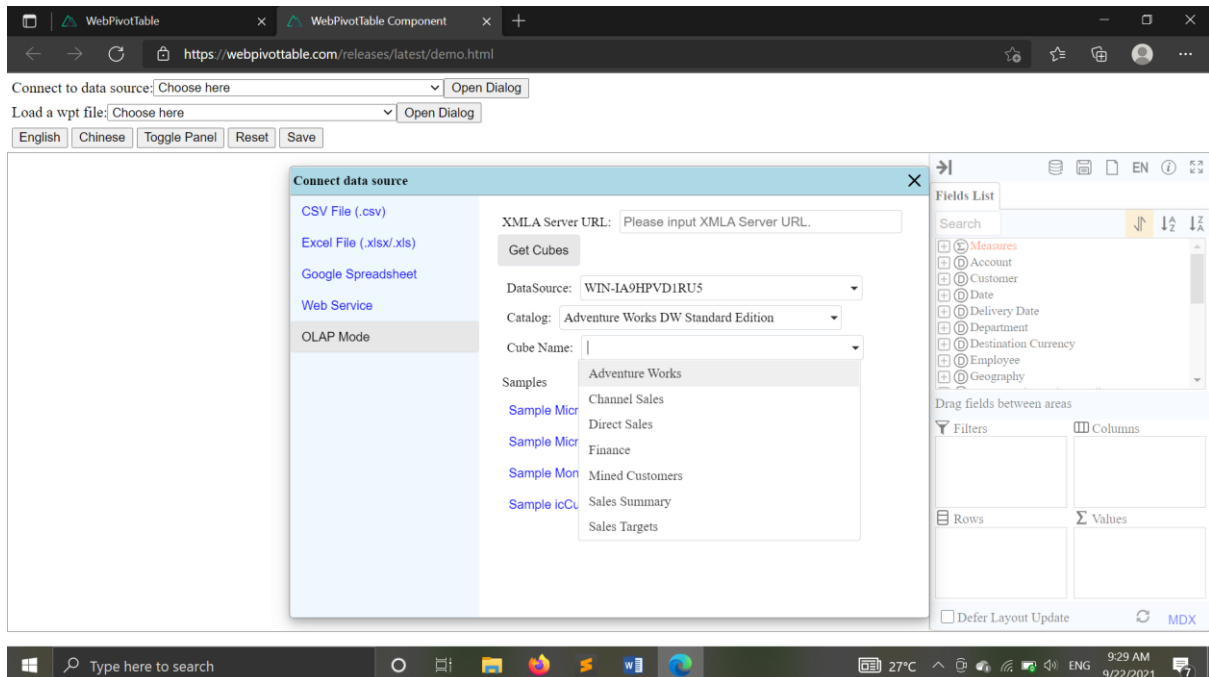


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1. Step 1 : load the data cube



2. Step 2 : create the pivot table

The screenshot shows the WebPivotTable web application interface. The main area displays a pivot table with the following data:

	All Discounts							
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
No Discount	\$3,407.78	\$4,007.91	\$5,289.69	\$3,735.02	\$2,939.88	\$4,319.94	\$3,444.39	\$2,356.49
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
Discontinued Product	\$3,218.92							
Mountain-100 Clear...	\$10,455.32							
Mountain-500 Silver...	\$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	\$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			
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	\$1,250.55
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
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
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							

The Fields List pane on the right shows the following configuration:

- Measures:** Average Sales Amount (checked), Average Unit Price, Customer Count, Discount Amount, Discount Percentage.
- Filters:** Delivery Date, Month of Year, Year, Month of Year.
- Columns:** Delivery Date, Month of Year, Year, Month of Year.
- Rows:** Promotions, Category, Type.

The screenshot shows the WebPivotTable web application interface. The main area displays a pivot table with the following data:

All Promotions	\$4,441.60	\$3,575.58	\$2,412.12	\$3,415.14	\$3,110.92	\$2,836.69	\$3,707.16	\$3,066.49
No Discount	\$4,319.94	\$3,444.39	\$2,356.91	\$3,354.99	\$3,052.51	\$2,702.87	\$3,597.40	\$2,893.60
Reseller	\$2,110.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17	\$1,965.25	\$1,617.58	\$2,313.47
Discontinued Product							\$417.07	\$4,963.47
Mountain-100 Clear...								\$10,455.32
Mountain-500 Silver...							\$417.07	\$418.48
Excess Inventory								
Road-650 Overstock								
New Product								
Touring-3000 Prom...								
Touring-1000 Prom...								
Seasonal Discount								
Sport Helmet Disco...								
Sport Helmet Disco...								
Volume Discount	\$2,110.07	\$1,953.38	\$1,250.55	\$1,590.88	\$1,311.17	\$1,965.25	\$1,665.78	\$1,652.52
Volume Discount 1...	\$1,775.85	\$1,795.21	\$1,215.43	\$1,524.28	\$1,251.88	\$1,573.24	\$1,584.37	\$1,465.60
Volume Discount 1...	\$3,558.51	\$2,285.79	\$1,487.06	\$2,367.85	\$1,836.43	\$3,147.90	\$1,513.42	\$1,593.14
Volume Discount 2...	\$1,251.09	\$691.28	\$478.67			\$803.27	\$473.64	\$6,749.77
Volume Discount 4...						\$1,097.62	\$639.37	

The Fields List pane on the right shows the following configuration:

- Measures:** Average Sales Amount (checked), Average Unit Price, Customer Count, Discount Amount, Discount Percentage.
- Filters:** Delivery Date, Month of Year, Year, Month of Year.
- Columns:** Delivery Date, Month of Year, Year, Month of Year.
- Rows:** Promotions, Category, Type.

3. Step 3 : extend the pivot table

The screenshot displays the WebPivotTable application interface. The main window shows a pivot table with the following data:

	All Products	
All Promotions	\$4,331.38	\$5,485.85
No Discount	\$4,111.90	\$4,904.10
Reseller	\$2,667.13	\$4,999.50
Discontinued Product	\$3,589.83	
Mountain-100 Clea...	\$10,455.32	
Mountain-500 Silve...	\$421.13	
Excess Inventory	\$796.18	\$822.14
Road-650 Overstock	\$796.18	\$822.14
New Product	\$6,969.55	\$10,428.79
Touring-3000 Prom...	\$3,761.72	\$5,589.74
Touring-1000 Prom...	\$5,277.55	\$6,873.46
Seasonal Discount	\$224.90	\$224.90
Sport Helmet Disco...	\$199.05	\$199.05
Sport Helmet Disco...	\$261.54	\$261.54
Volume Discount	\$2,379.28	\$4,904.20
Volume Discount 1...	\$2,002.66	\$3,743.68
Volume Discount 1...	\$3,017.97	\$5,586.41
Volume Discount 2...	\$1,793.25	\$667.80
Volume Discount 4...	\$868.49	

The right-hand panel shows the configuration for the pivot table:

- Fields List:** Contains a search bar and a list of fields including Delivery Date, Fiscal Year, Month of Year, Department, Destination Currency, Employee, Geography, and Internet Sales Order Details.
- Grid Options:** Includes options for filters, columns, rows, and values.
- Filters:** Source Currency (X), Source Currency (X).
- Columns:** Year (X), (All) (X), Month of Year (X).
- Rows:** (All) (X), Category (X), Type (X), Promotion (X).
- Values:** Average Sales Amount (X).

The bottom of the interface shows a Windows taskbar with the search bar, task icons, and system tray information (27°C, 10:07 AM, 9/22/2021).

4. Step 4 : extend the pivot table with filter changes and roll up

Connect to data source: Choose here

Load a wpt file: Choose here

English Chinese Toggle Panel Reset Save

	All Periods							
Reseller	\$2,778.68	\$5,289.97	\$3,980.87	\$4,735.02	\$2,328.49	\$2,346.16	\$2,137.65	\$1,346.16
Discontinued Product	\$3,465.52							
Excess Inventory	\$805.13	\$843.59	\$779.86					
Road-650 Overstock	\$805.13	\$843.59	\$779.86					
New Product	\$7,344.01	\$11,315.77	\$7,408.28	\$6,219.83	\$2,384.07			
Seasonal Discount	\$239.11	\$239.11						
Volume Discount	\$2,448.70	\$4,940.90	\$3,446.42	\$3,885.84	\$2,327.82	\$2,346.16	\$2,137.65	\$1,346.16

Fields List Grid 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
- ☐ Category
- ☐ Type
- ☐ Promotion

Values

- ☒ Average Sales
- ☐ Amount

☐ Defer Layout Update MDX

Connect to data source: Choose here

Load a wpt file: Choose here

English Chinese Toggle Panel Reset Save

Reseller	\$2,346.16	\$2,137.65	\$1,346.38	\$1,755.93	\$1,393.44	\$2,336.42	\$1,814.37	\$2,747.17
Discontinued Product							\$413.15	\$5,543.73
Excess Inventory								
Road-650 Overstock								
New Product								
Seasonal Discount								
Volume Discount	\$2,346.16	\$2,137.65	\$1,346.38	\$1,755.93	\$1,393.44	\$2,336.42	\$1,900.34	\$1,773.34

Fields List Grid 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
- ☐ Category
- ☐ Type
- ☐ Promotion

Values

- ☒ Average Sales
- ☐ Amount

☐ Defer Layout Update MDX