

PivotTables, PivotCharts and Power Query

Pivot Tables





• A PivotTable is an Excel feature that allows you to summarize and analyze large datasets by organizing and rearranging data.

• It provides an interactive way to calculate, aggregate, and analyze data.



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Date	(All)	~			
Sum of Sales	Column Lak	oels 💌			
Row Labels	▼ Product A	ı	Product B	Product C	Grand Total
East		4000		2000	6000
North		1000	3000	5000	9000
South		5500	1500	3500	10500
West		2500	4500		7000
Grand Total		13000	9000	10500	32500



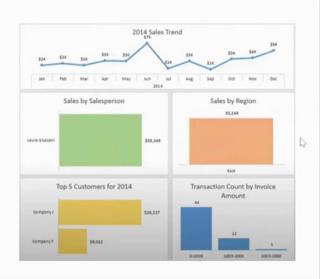
Operations

- Summarizing Data: Sum, average, count, min, max, etc.
- Filtering Data: Date, product, region filters.
- Grouping Data: By dates (monthly, quarterly), products, regions.
- Calculating Percentages: Percentage of total, percentage change.

Pivot Charts



- A PivotChart is an extension of a PivotTable that provides a graphical representation of the data summarized in the PivotTable.
- It allows for dynamic data visualization.



Operations



- Changing Chart Types: Column, bar, line, pie, etc.
- Customizing Chart Elements: Titles, legends, data labels, colours.
- Drilling Down Data: Interactively explore data points in detail.



Power Query

- Power Query is a data connection technology that enables you to discover, connect, combine, and refine data across a wide variety of sources.
- It provides an easy way to import, clean, and transform data before analyzing it in Excel.



Operations

- Merging Queries: Combine data from different tables or sources.
- Appending Queries: Stack data from similar tables.
- Unpivoting Columns: Transform columns into rows for better analysis.
- Creating Calculated Columns: Add custom calculations and transformations.

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Sales Analysis

- PivotTables: Summarize total sales, quantity, and profit by region, product, and date.
- **③ ③** .
- PivotCharts: Visualize sales trends and comparisons across different regions and products.
- Power Query: Clean and transform sales data from various sources before analysis.