

9 of 13

PowerPivot

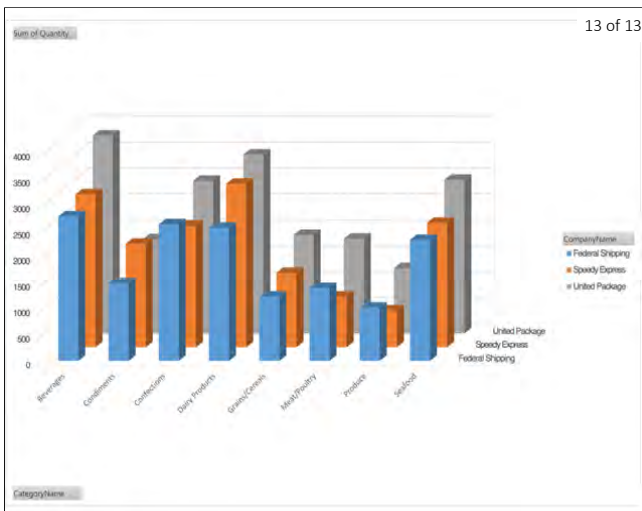
- Delivered with Excel 2013 and later, but might require installaon of the add-in
- Similar to pivot tables and charts, large amounts of data can quickly be categorized and summarized
- PowerPivot requires you to:
 1. Connect to your data sources
 2. Establish relationship s
 3. Generate tables and charts
- PowerPivot connects to the external data and has the ability to manually refresh data as the data changes

10 of 13

The screenshot shows an Excel spreadsheet with a PivotTable. The PivotTable Fields task pane on the right is configured with 'Order Details' as the source. 'ProductID' is in the ROWS area, 'Company' is in the COLUMNS area, and 'Sum of Quantity' is in the VALUES area. The PivotTable data is as follows:

ProductID	Federal Shipping	Speedy Express	United Package	Grand Total
Beverages	2781	2942	3809	9532
Condiments	1491	1991	1816	5298
Confections	2629	2338	2939	7906
Dairy Products	2560	3145	3444	9149
Grains/Cereals	1235	1430	1897	4562
Meat/Poultry	1403	971	1825	4199
Produce	1025	708	1237	2990
Seafood	2329	2394	2958	7681
Grand Total	15453	15919	19945	51317

13 of 13



[View All](#) [View Keyframes](#)

Importing Data to PowerPivot

- One of the most useful features of spreadsheets is the ability to quickly calculate tabular summaries of data.
- A weakness of pivot tables and charts: They rely on one worksheet.
- PowerPivot can pull data from multiple database tables or spreadsheets, or retrieve through database queries.
- Similar to databases, PowerPivot requires that the user join together data files.

5 of 19

Getting Data into PowerPivot

- Step 1: Connecting to data from other files or systems
 - Database tables and SQL servers
 - Excel spreadsheets
 - Reports from other systems
 - Text files

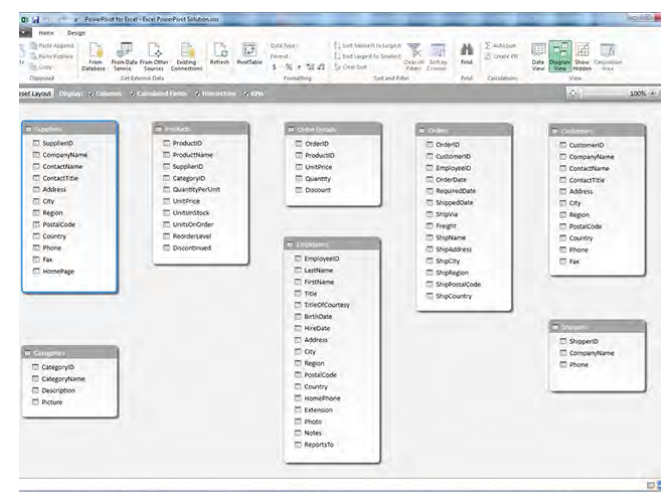
11 of 19

[View All](#) [View Keyframes](#)

Relationships

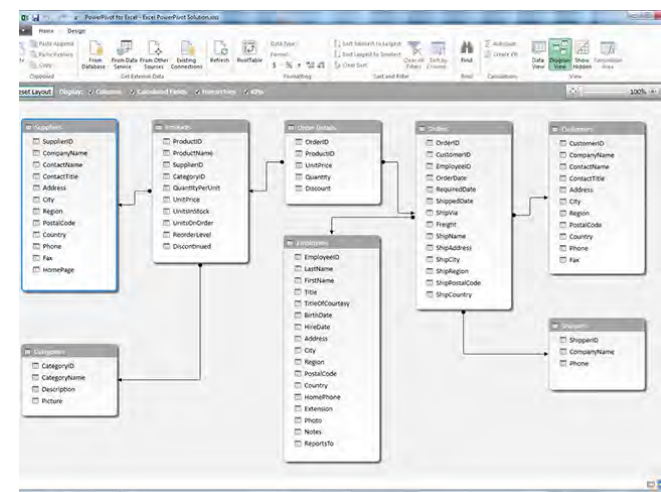
- Since PowerPivot draws from diverse data sources, it’s important to integrate the data.
- PowerPivot establishes relationship s between and among spreadsheets, database tables, queries, etc.
 - Databases only create relationship s between and among tables.
- Similar process—find the field(s) in common between two data sources.

5 of 7



6 of 7

Placeholder for a. er



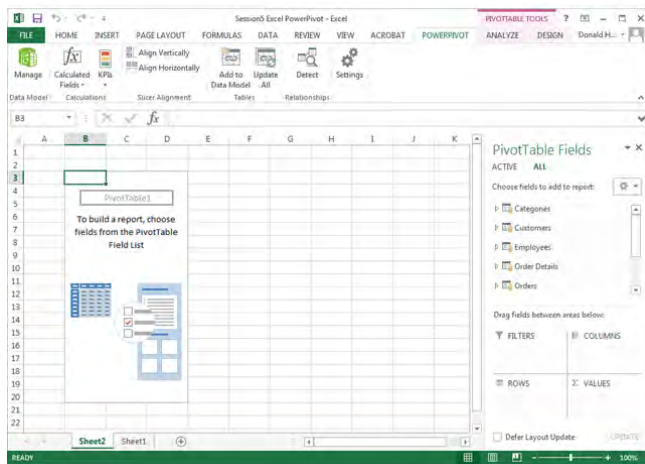
7 of 7

[View All](#) [View Keyframes](#)

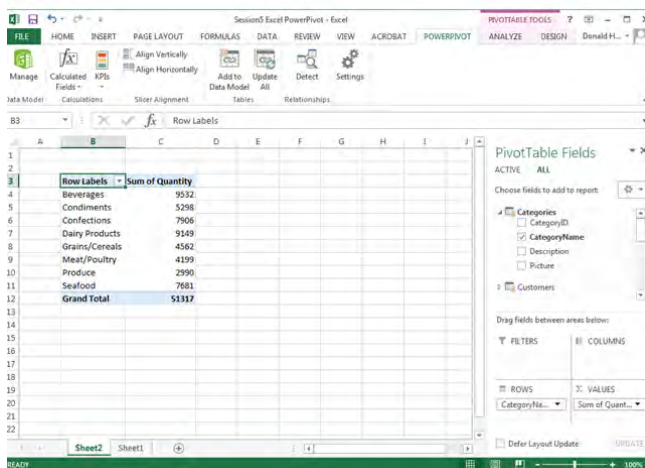
PowerPivot Properties and Filters

- **Properties:** Used to maintain connections to remote systems
 - How it connects to other data sources
 - Last time that the data was refreshed
- **Filters:** Used to select and summarize data meeting specific criteria

5 of 10

[View All View Keyframes](#)

4 of 16



9 of 16

PowerPivot Tables

- Created once data has been imported and relationships established
- Pivot vs. PowerPivot? PowerPivot:
 - Allows data to be retrieved from multiple sources
 - Enables ability to refresh data
 - Permits data to be organized with PivotTable

16 of 16

[View All](#) [View Keyframes](#)

Slicer

- Menu-based filters
- Allows you to drill deeper into the data by selecting various “slices”

8 of 8

[View All](#) [View Keyframes](#)

Timeline

- Special type of slicer that utilizes dates
- Generates a timeline menu—clicking on specific dates in the menu slices or filters the data for that date range
- Option to select multiple months, years, or any combination

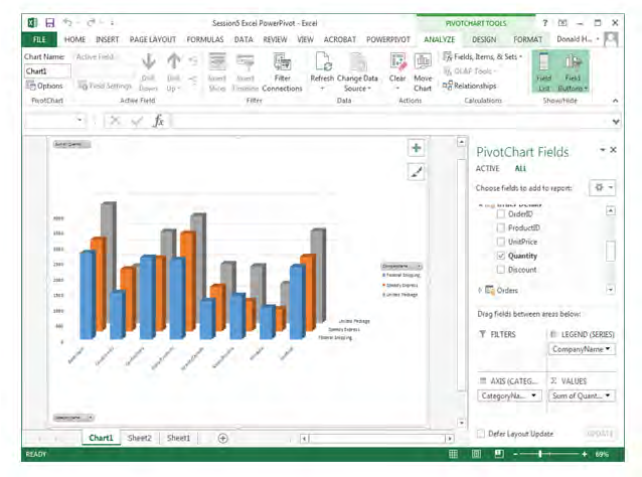
9 of 9

[View All](#) [View Keyframes](#)

Charts and Graphs

- PowerPivot can create charts similar to PivotCharts.
- However, PowerPivot can draw data from mulple da ta sources.

3 of 7



4 of 7