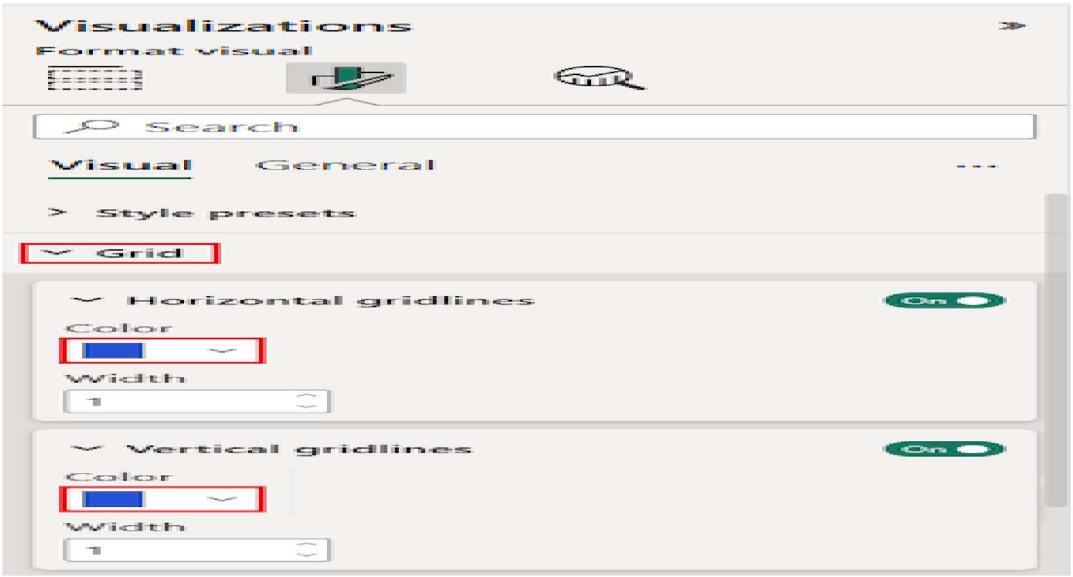
Visualizing tabular data

Click link to watch a video about tables and matrices.

There are many options within Power BI to visually represent data, but sometimes users may want to see and compare detail-level data and exact values. In these scenarios, using the **Table** or **Matrix** visual is the most effective option. When leveraging either of these two visuals, it is important to take advantage of the **Format** section of the **Visualizations** pane to ensure that users can easily interpret the data that is being presented. One of the best ways to bring attention to values of importance with these visuals is by using **Conditional formatting**. This section will also take advantage of the hierarchies created in *Chapter 4*, *Building the Data Model*, to allow for drilldowns within the visuals.

A **table** is a grid that contains related data in a logical series of rows and columns. It may also contain headers and a row for totals. Tables work well with quantitative comparisons where you're looking at many values for a single category. For example, this table displays five different measures for **Category**.



When to use a table

Tables are a great choice:

- To see and compare detailed data and exact values (instead of visual representations).
- To display data in a tabular format.
- To display numerical data by categories.

Matrix

The matrix visual is similar to a table (A matrix is similar to a pivot table in Excel.). A table supports two dimensions and the data is flat, meaning duplicate values are displayed and not aggregated. A matrix makes it easier to display data meaningfully across multiple dimensions -- it supports a stepped layout. The matrix automatically aggregates the data and enables you to drill down.

If you have only one dimension, exporters, then tables and matrices are the same:

Exporters	Exported value in 2012	Exported value in 2013	Exported value in 2014	Exported value in 2015	Exported value in 2016
China	$624,047,663	$646,770,190	$664,429,542	$705,338,044	$702,649,994
France	$193,019,526	$197,053,652	$200,920,691	$177,343,032	$174,510,032
Germany	$447,361,138	$443,268,632	$457,485,503	$488,429,085	$437,597,592
Japan	$327,103,008	$300,310,328	$293,318,140	$267,902,962	$282,055,286
UK	$173,673,468	$171,022,906	$182,091,736	$177,503,571	$154,253,130
USA	$315,639,695	$315,001,586	$325,787,535	$316,070,050	$316,236,289
Total	**$2,080,844,498**	**$2,073,427,294**	**$2,124,033,147**	**$2,132,586,744**	**$2,067,302,323**

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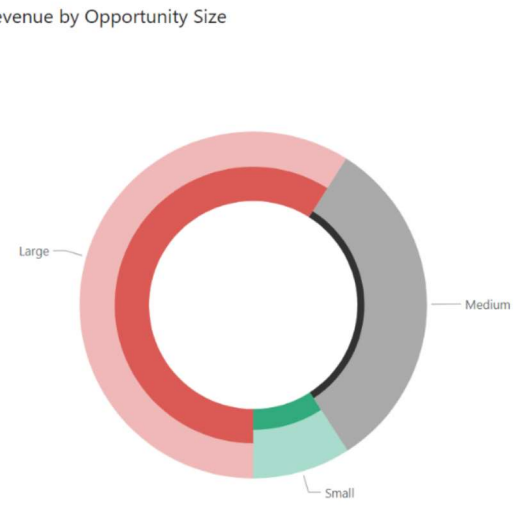
You can create matrix visuals in **Power BI** reports and cross-highlight elements within the matrix with other visuals on that report page. For example, you can select rows, columns, and even individual cells and cross-highlight. Also, individual cells and multiple cell selections can be copied and pasted into other applications.

Region	Central		West	
Sales Stage	Opportunity Count	Revenue	Opportunity Count	Revenue
Lead				
Small	26	$22,907,676	11	$11,889,018
Medium	25	$96,249,147	18	$72,871,697
Large	40	$321,876,492	18	$149,636,713
Qualify				
Small	10	$11,550,016	5	$5,695,989
Medium	12	$48,820,525	8	$33,018,968
Large	7	$51,344,920	2	$13,727,406
Solution				
Small	13	$13,771,741	7	$7,155,493
Medium	9	$38,048,946	4	$16,363,417
Large	7	$48,923,102	4	$29,922,591
Proposal				
Small	8	$13,095,186	3	$3,720,287
Medium	4	$15,283,161	5	$21,456,937
Large	2	$18,344,522	2	$17,855,445
Finalize				
Small	1	$1,788,307		
Medium	2	$8,974,009	2	$7,926,517
Large	2	$12,539,930	2	$13,249,668



See also Exercise 17.

Visualizing categorical data

Olet suorittanut 100 % oppitunnista

100%

◄ Lesson 5 Quiz

Siirry...

Exercise 16 - Filtering visualizations and data ►

Olet kirjautunut nimellä Janne Bragge. (Kirjaudu ulos)
PowerBI

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