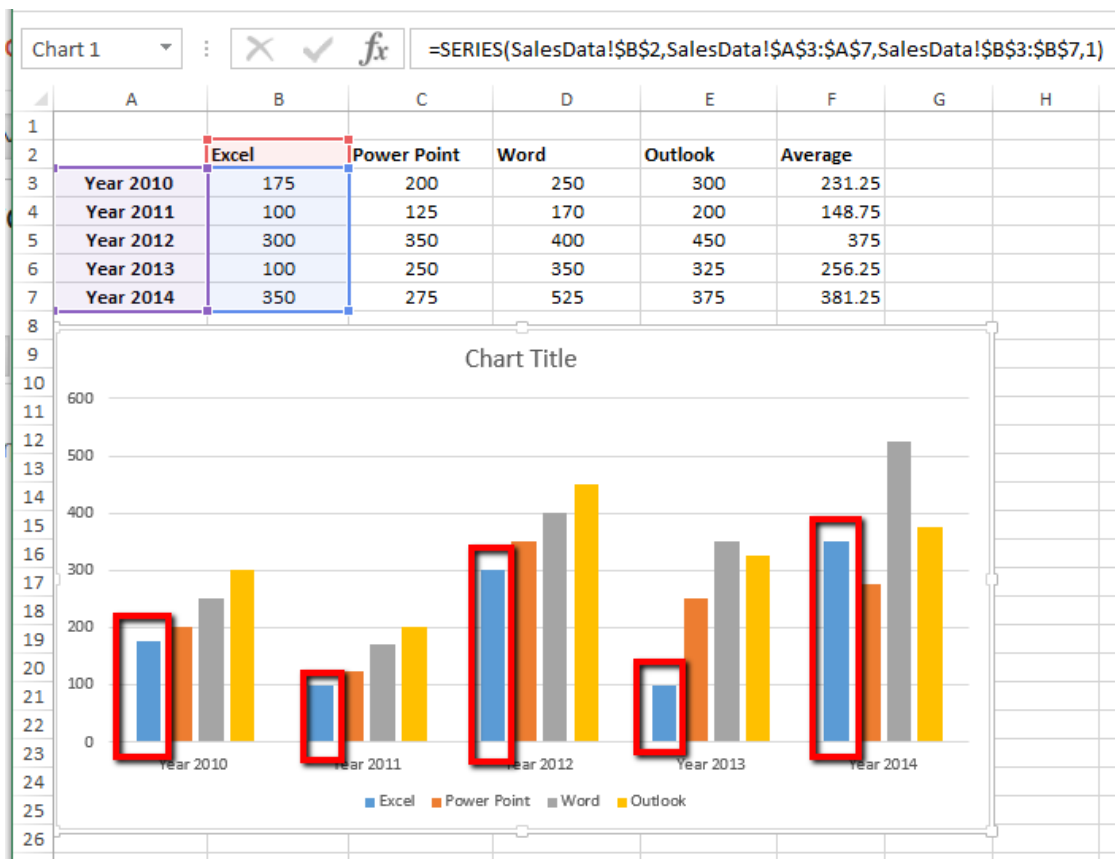# Unlink a chart by converting range references into arrays

A clever way to unlink a chart from its data is to convert the SERIES formula range references to arrays. Follow these 5 steps:

1. Open the file: Using text-pictures-shapes-effects.xlsx and activate your chart. Click a chart series (for example the Excel series – the blue color)

2. Click the Formula bar. The Formula bar displays the SERIES formula for the selected data series.

=SERIES(SalesData!$B$2,SalesData!$A$3:$A$7,SalesData!$B$3:$B$7,1)

3. Press F9. Now the Formula bar displays arrays, not range references. The converted data SERIES formula is:

=SERIES("Excel",{"Year 2010 ","Year 2011","Year 2012","Year 2013","Year 2014"},{175,100,300,100,350},1)

4. Press Enter

5. Repeat these steps for each series in the chart.

Now the chart is no longer linked to a data range