

Lesson 5-18: Create a combination chart containing different chart types

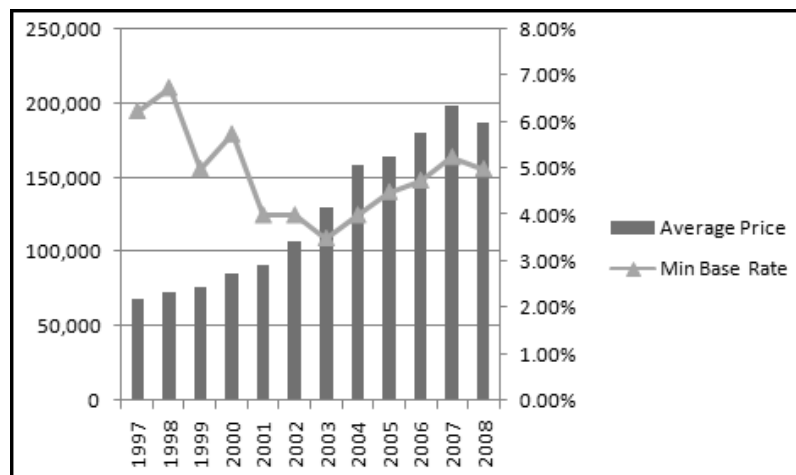
Excel allows you to allocate a different chart type to each data series. This opens up many interesting possibilities such as superimposing a line chart on top of a Column chart.

In this lesson we'll re-cast the UK House Prices chart as a combination Column/Line chart with columns for house prices and a line for base interest rates.

- 1 Open *UK House Prices-1* from your sample files folder (if it isn't already open).
- 2 Select the *Average Price* data series.

This was covered in: *Lesson 5-17: Create a chart with two vertical axis.*

- 3 Click Chart Tool→Design→Type→Change Chart Type→Clustered Column, and then click the OK button.



- 4 Adjust the Min Base Rate axis to move the series line as high as possible on the chart.

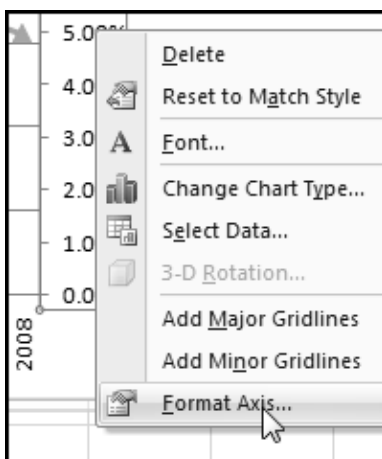
The chart looks a little untidy as the line crosses the bars. Let's try to avoid this happening by adjusting the *Min Base Rate* series axis.

1. Right-click the Interest Rate's vertical scale and then select *Format Axis...* from the shortcut menu.
2. Click the Fixed option button next to *Maximum*.

Axis Options		
Minimum:	<input checked="" type="radio"/> Auto	<input type="radio"/> Fixed 0.0
Maximum:	<input type="radio"/> Auto	<input checked="" type="radio"/> Fixed 0.08

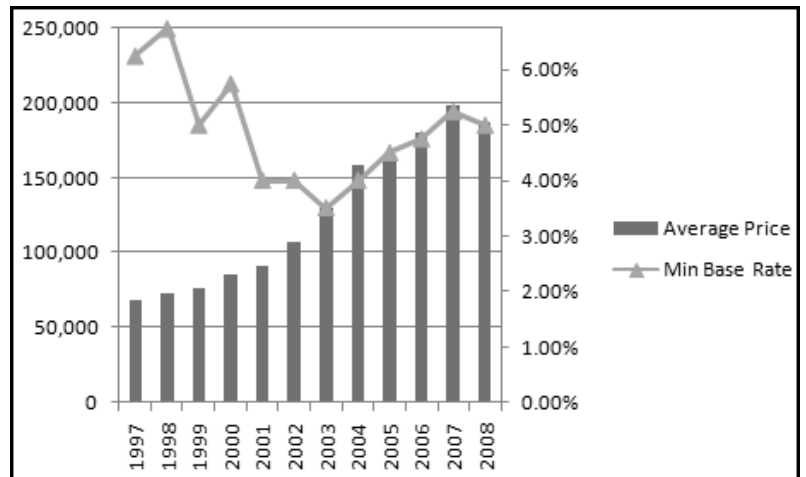
3. Type 0.0675 into the text box followed by the <Enter> key.

This will ensure that the line touches the top of the chart because the maximum base rate was 6.75%.



UK House Prices-1

This is very nearly the chart we need:



We can't do anything more to the Min Base Rate series to lift it higher.

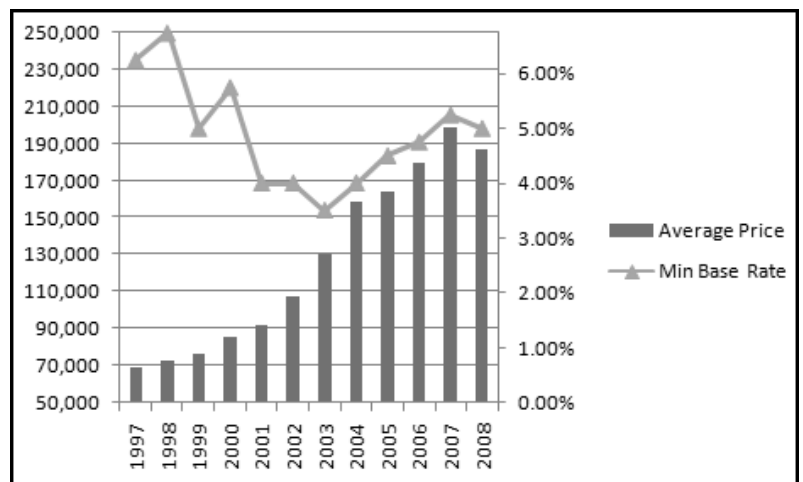
The answer will be to adjust the Average Price series axis.

5 Adjust the Average Price axis to reduce the height of the bars.

The bars will shrink in size if we change the minimum value to 50,000 but retain the maximum value of 250,000. They would shrink even more if we also adjusted the maximum value to a figure above 250,000.

1. Right Click the *Average Price* vertical axis and click *Format Axis...* from the shortcut menu.
2. Change the Minimum value to 50000 (without a comma) and then press the **<Enter>** key. For some reason Excel won't recognize the number if you include a comma.
3. Click the Close Button.

The chart now displays as intended.



6 Save your work as UK House Prices-2.