Histograms

These instructions should be used together with the spreadsheet, House prices Histogram.xls. Open this spreadsheet.

First you must make sure the **Data Analysis Toolpak** is in Excel.



Click on Data tab then Data Analysis then Histogram and OK

Select Input Range (by clicking into the box) then select the data column A or A1:A60 Select Bin Range then E1:E11 Tick Labels so B1 and E1 will be recognised as text and not number. Select Output Range then select G1 Tick Chart Output then OK

The output graph is not a histogram as it has gaps and it is not labelled properly. Remove **Frequency Legend** by clicking on it and then **delete**

Close the gaps between the columns and add column border. Right click on a bar then select **Format Data Series** then **Series Options** Close **Gap width** to 0 % then select **Border Color** then **Solid line** open the **color selection** and choose **black** and **Close**

Labelling

Click on horizontal axis then type in House prices (£1,000s) then Enter

Vertical axis is fine.

Click on title then type in House prices for an area in the South of England then Enter

When Excel processes this histogram function it will count how many house prices are greater than zero and less than or equal to 50 and enter the count into G2, and so on for each bin. We need to show this on the scale on the x-axis. A number in brackets shows this is a limit and that the exact value is not included in the column.

Correct the scale on the horizontal axis.

Select G2 and type (0)-50 then Enter

Select G3 and type (50)-100 then Enter and so on

Select G12:H12 and delete





Data

? X

Cancel

OK

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Data Analysis