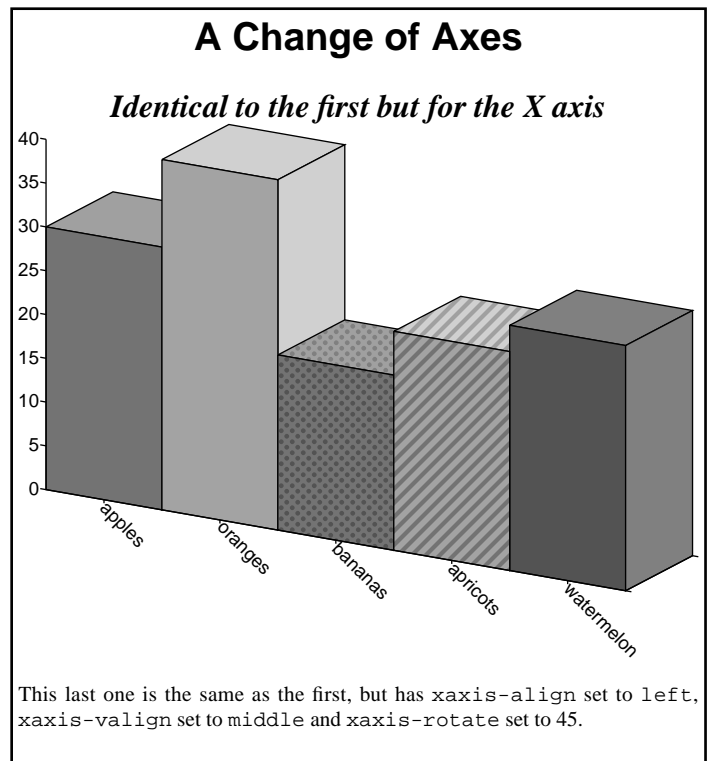
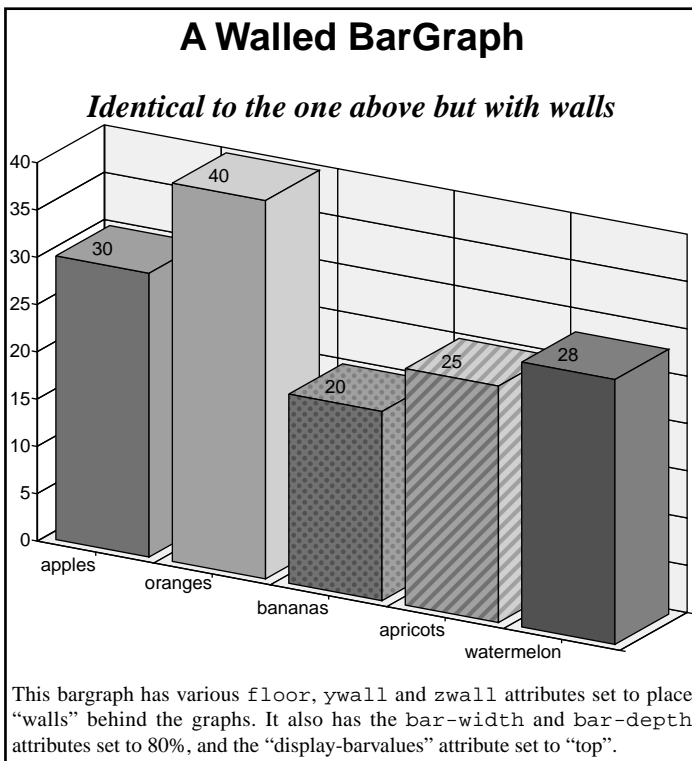
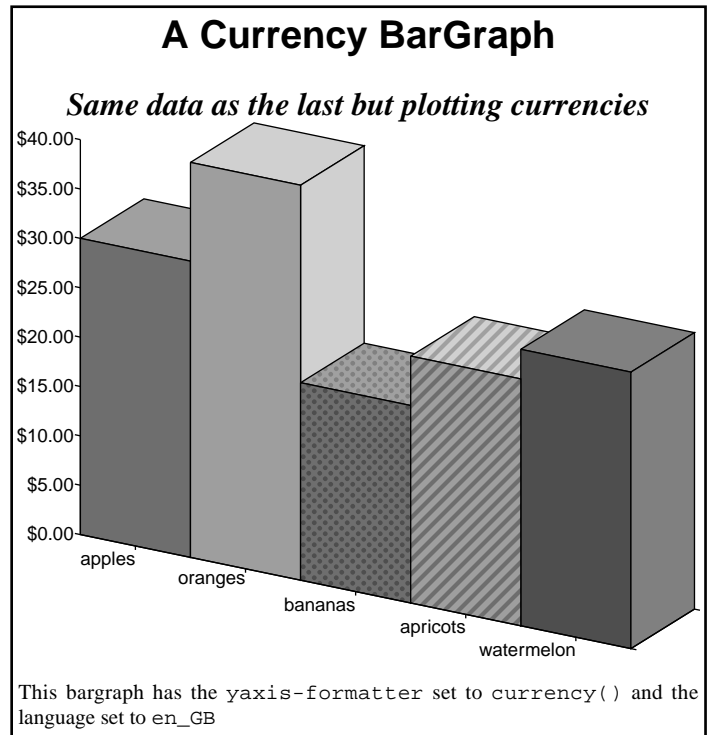
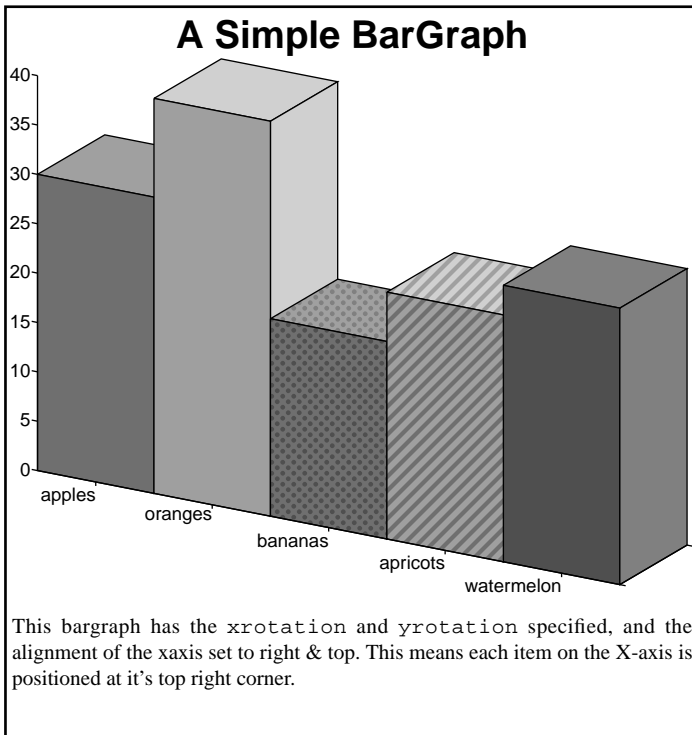


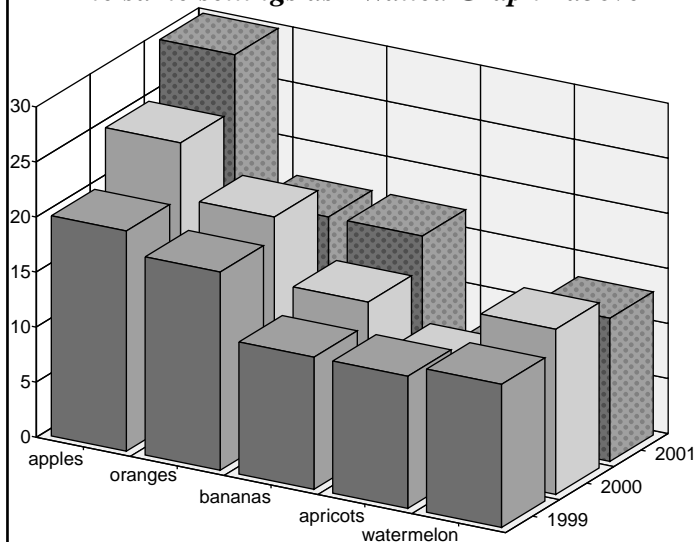
Graph demonstrations

This document demonstrates a number of different styles of graphs. It's not meant to be a complete demonstration of the graph capabilities - the [graph library userguide](#) does that - but this is a good document to experiment with to try various combinations for plotting graphs.



A Depth BarGraph

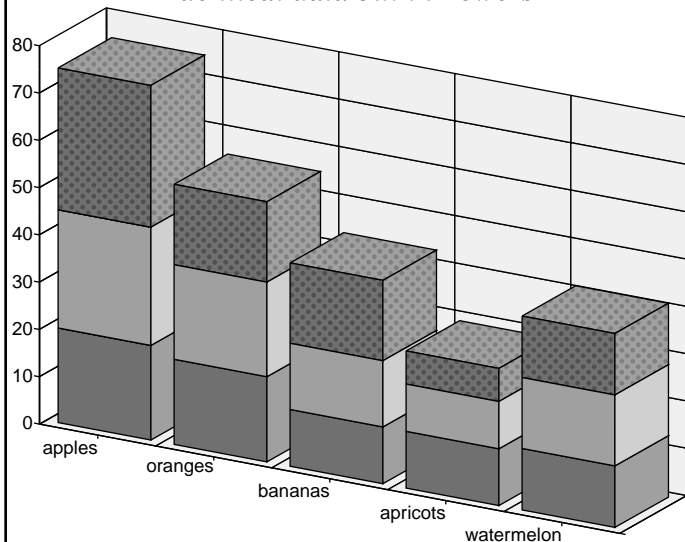
The same settings as "Walled Graph" above



This example of a DepthBarGraph shows data on two different axis, and requires both the "name" and "name2" attributes to be set on each gdata tag. The order the values are plotted in depends on the order they're listed in the XML.

A Tower BarGraph

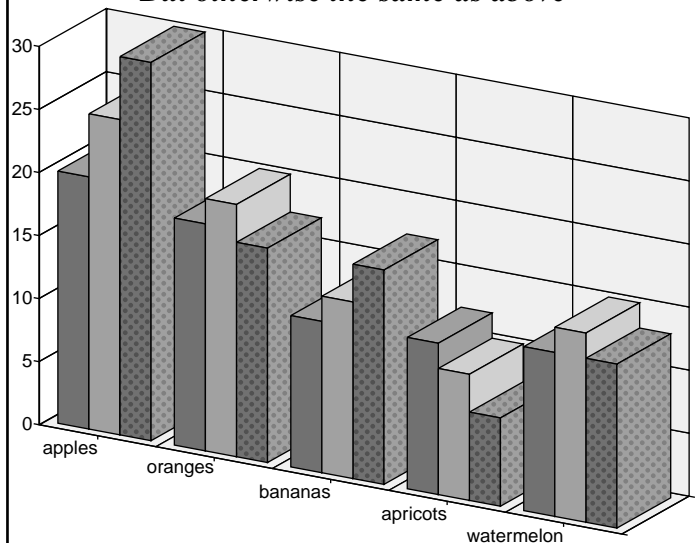
Identical data but in Towers



This graph is identical to the last one in every respect, except it's a towerbargraph instead of a depthbargraph. This style of graph is useful for showing cumulative data.

A Multi BarGraph

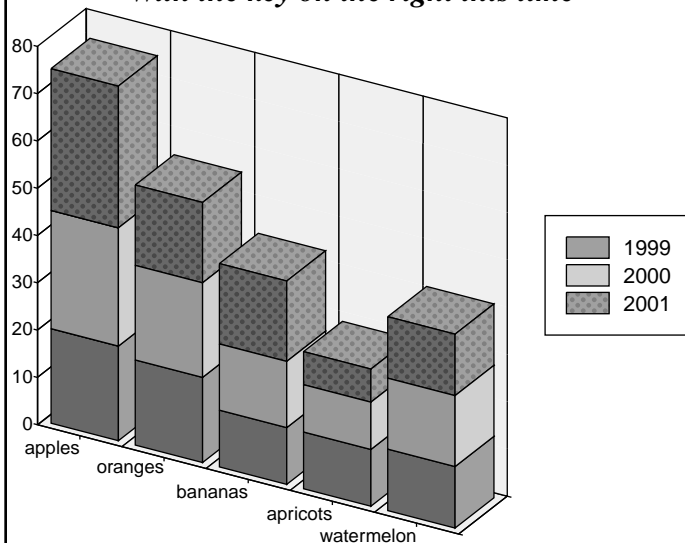
But otherwise the same as above



This is identical to the graph above, except it's a multibargraph instead of a depthbargraph. A useful alternative in 2D.

A Tower BarGraph again

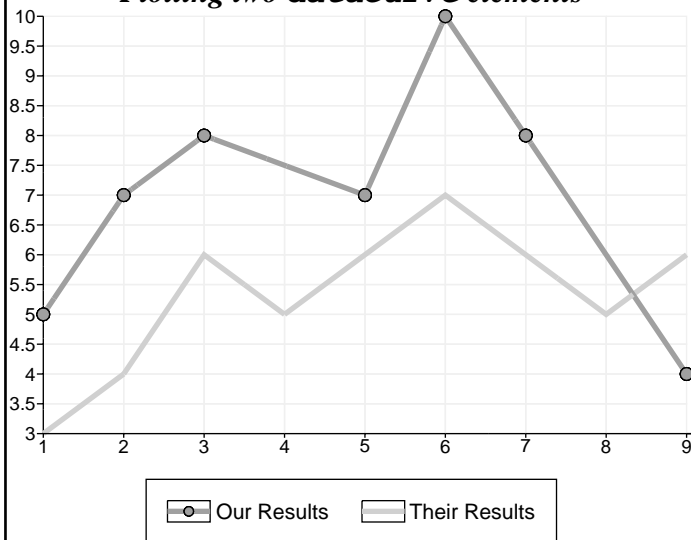
With the key on the right this time



Again, identical to above but with display-key set to "right" and zwall-grid set to "vertical"

A Line Graph

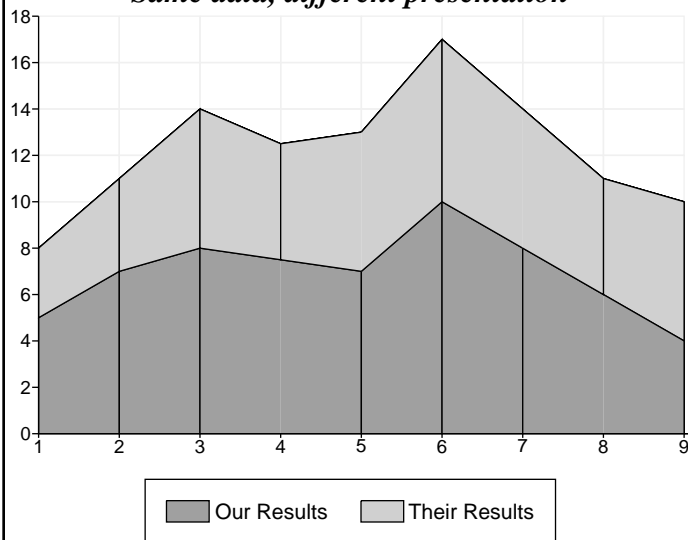
Plotting two datacurve elements



A basic linegraph with two datacurve elements. We've set the line-thickness attribute to 2 - it's only used when the graph isn't rotated, but can help to make the relatively thin lines stand out.

An Area Graph

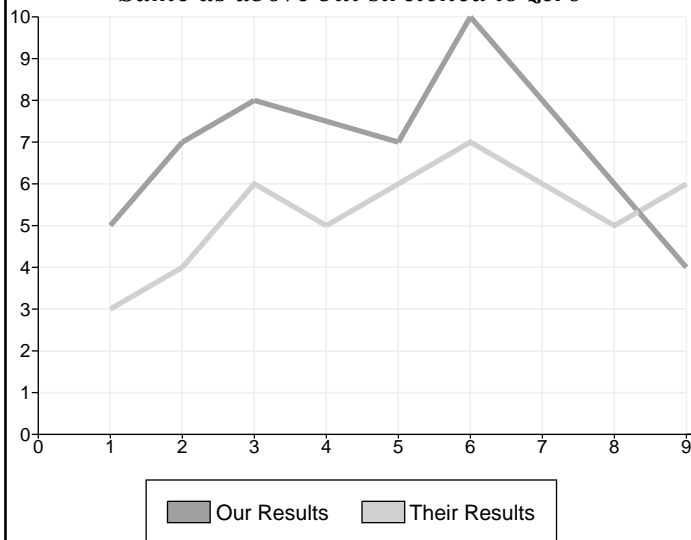
Same data, different presentation



A basic areagraph, using the same data as the previous graph. Note how the values are automatically accumulated.

A Stretched Line Graph

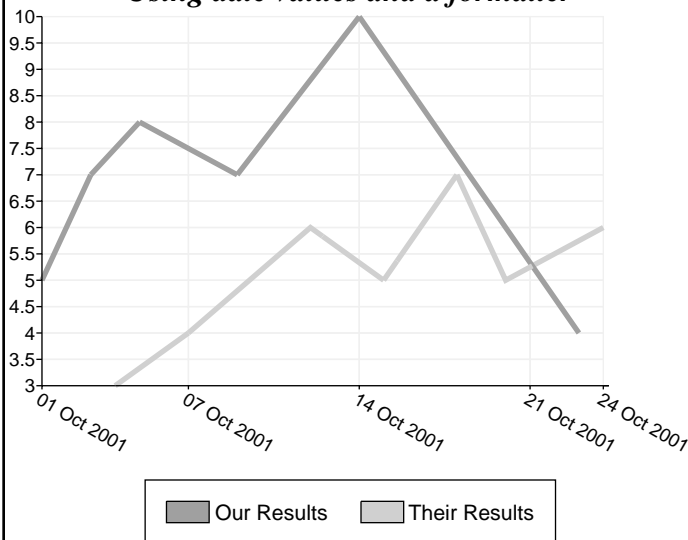
Same as above but stretched to zero



Identical to the above graph, but with `x-stretch-to-zero` and `y-stretch-to-zero` both set to true. This means the graph axes will always extend to zero on the specified axes.

Plotting Dates

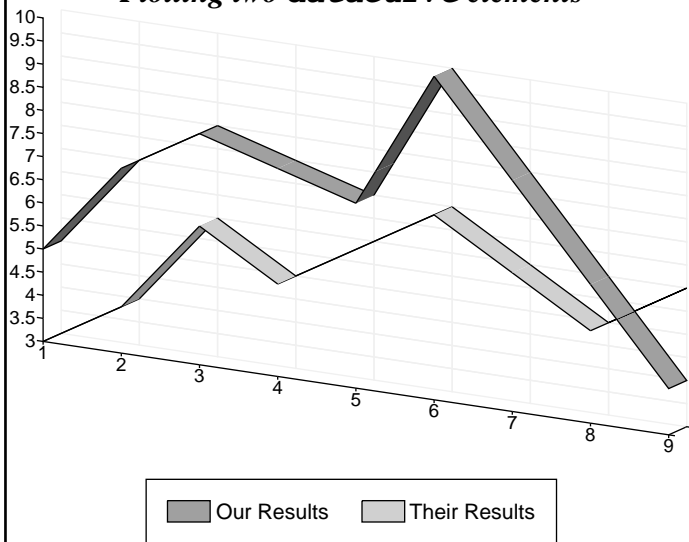
Using date values and a formatter



Here we plot some date values - they're no different to numeric values, we just set the `x` attribute in the `sample` tag to a date instead of a number, and set the `axis-formatter` to `date()`.

A Line Graph in 3D

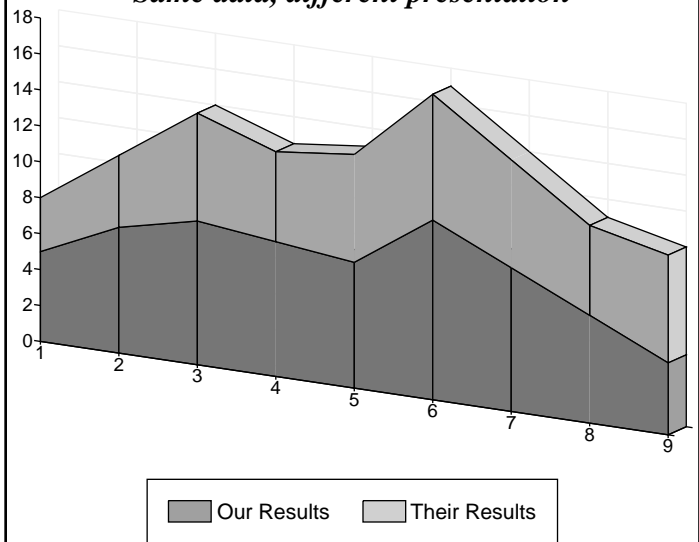
Plotting two datacurve elements



Identical to the first line graph, but with a 3D rotation.

An Area Graph in 3D

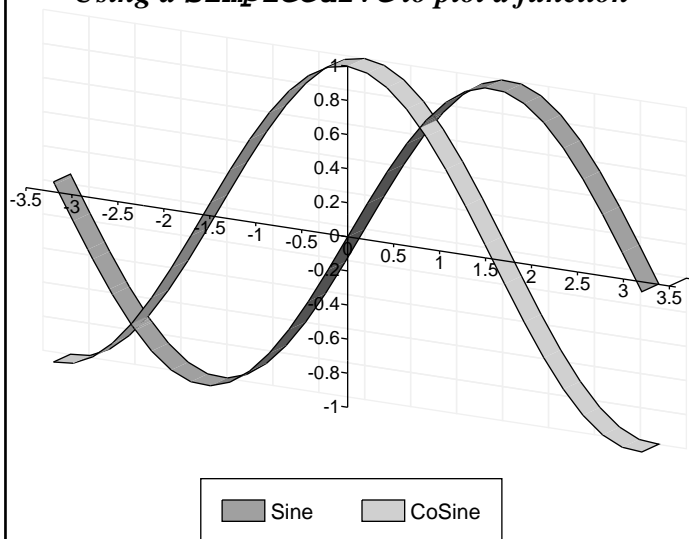
Same data, different presentation



Identical to the first area graph, but with a 3D rotation.

Plotting functions

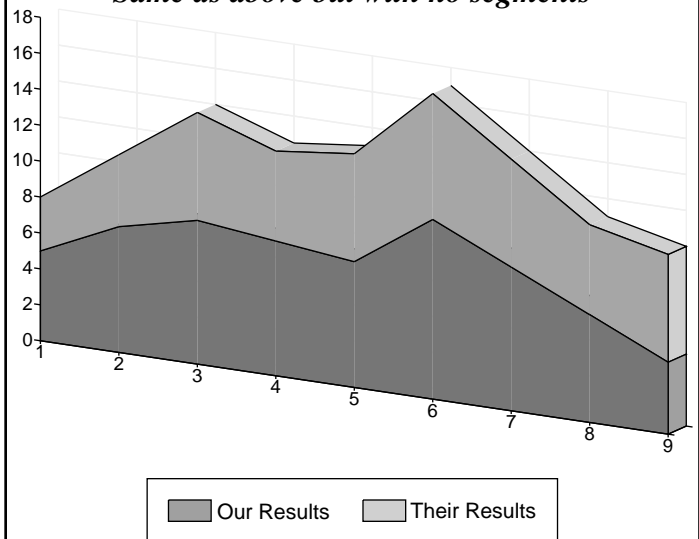
Using a simplecurve to plot a function



Instead of plotting data, we're now plotting functions. The `simplecurve` element allows any java function to be plotted.

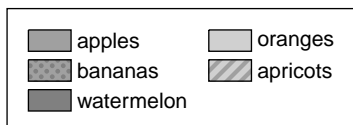
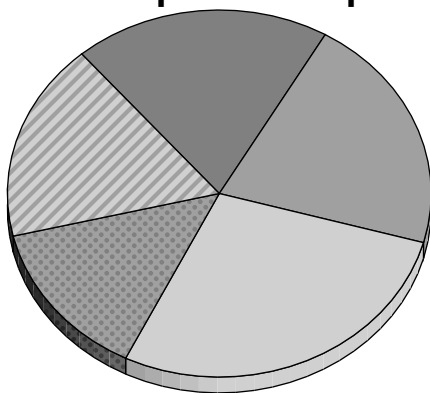
An Area Graph sans segments

Same as above but with no segments



The same as the above area graph, but with the `draw-segments` attribute set to false, for a different effect.

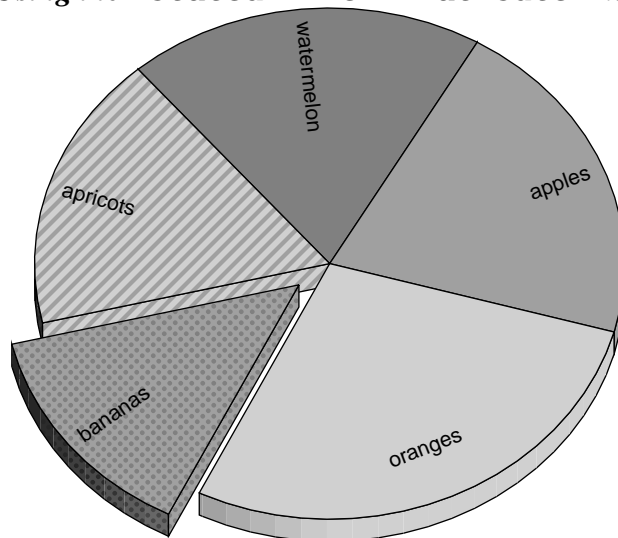
A Simple PieGraph



This basic piegraph uses exactly the same data as the first graph in this document. Like that, the `xrotation` and `yrotation` are both set to 30 degrees, and the `display-key` left at the default value of "bottom".

Another Simple PieGraph

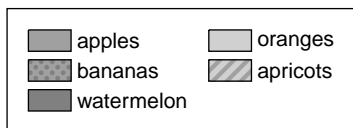
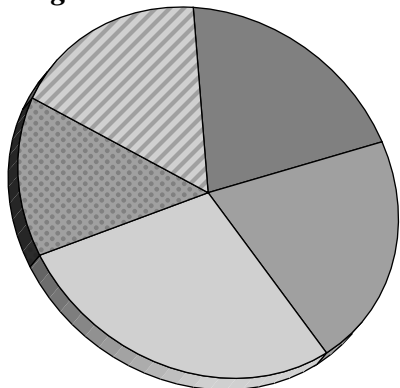
Using the rotated-inner-flat-outer key



This same as the last graph, but with the key set to `rotated-inner-flat-outer`. The "bananas" `gdata` tag also has the `extend` attribute set to 20%.

A Twisted PieGraph

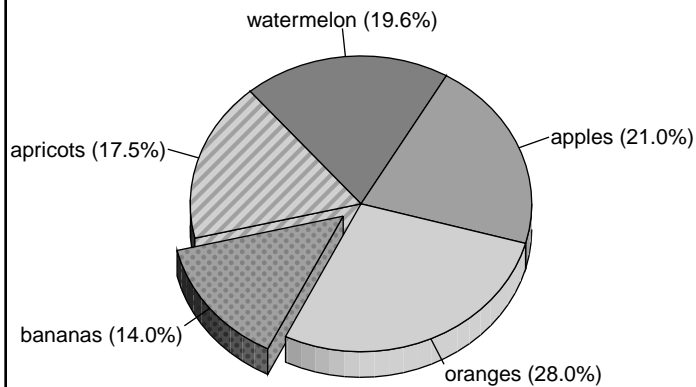
Using the zrotation attribute



The same as the graph above but with the `zrotation` attribute set to 40. This exposes the left side of the graph.

Another style of key

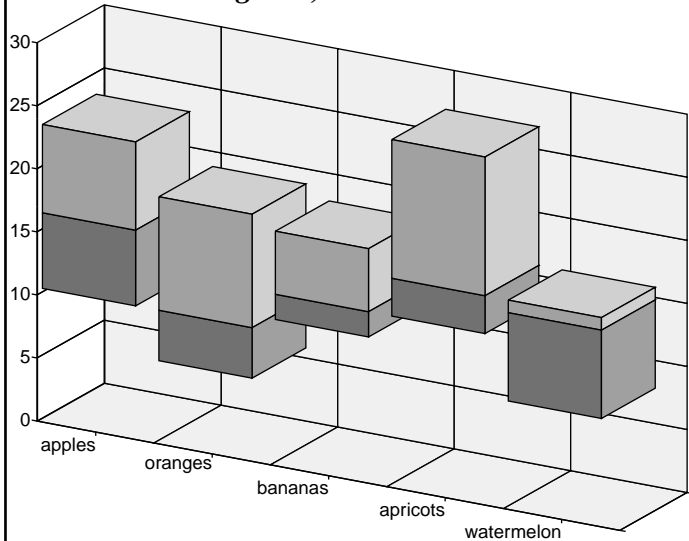
Using the flat-outer key



This same as the above graph, but with the key set to `flat-outer`, the `pie-height` increased to 30 and the `display-percentage` attribute set to "with-key"

A Floating BarGraph

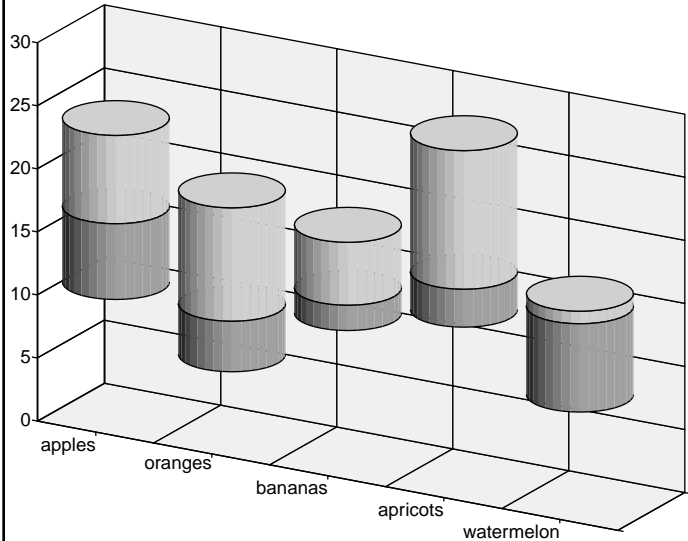
For showing min, mean and max values



This example shows a `FloatingBarGraph`, which is new in the Report Generator as of version 1.0.10. Each bar has three values - a min, center and max value.

A Round BarGraph

Slower to draw but with nicer results



Identical to the graph on the left, but with the `round-bars="true"` attribute. This can be applied to any type of bargraph except a multi-bargraph. It does take a little longer to generate and to draw however.