

Area Charts

1. Stacked Area Charts

Here is some code to generate an Area Chart. You can send 1..n data sets through it to be plotted.

```
String[] xAxisLabels= { "1998", "1999", "2000", "2001",
                        "2002", "2003", "2004" };
String xAxisTitle= "Years";
String yAxisTitle= "Problems";
String title= "Micro$oft at Work";
DataSeries dataSeries = new DataSeries( xAxisLabels, xAxisTitle,
                                       yAxisTitle, title );

double[][] data= new double[][]{ { 250, 45, -36, 66, 145, 80, 55 },
                                  { 250, 45, -36, 66, 145, 80, 55 } };
String[] legendLabels= { "Bugs", "Security Holes" };
Paint[] paints= TestDataGenerator.getRandomPaints( 2 );

AreaChartProperties areaChartProperties= new AreaChartProperties();
AxisChartDataSet axisChartDataSet= new AxisChartDataSet( data,
                                                         legendLabels,
                                                         paints,
                                                         ChartType.AREA_STACKED,
                                                         areaChartProperties );

dataSeries.addIAxisPlotDataSet( axisChartDataSet );

ChartProperties chartProperties= new ChartProperties();
AxisProperties axisProperties= new AxisProperties();
LegendProperties legendProperties= new LegendProperties();

AxisChart axisChart= new AxisChart( dataSeries,
                                    chartProperties,
                                    axisProperties,
                                    legendProperties,
                                    AxisChartsGuide.width,
                                    AxisChartsGuide.height );
```

Stacked Area Chart