

Use JBasicChart in [JComponentPack](#)

Jun 11, 2008

JBasicChart provides a basic chart component.

It could draw 3 styles graph, for example: PIE, LINE, BAR.

The following code demonstrates how to use JBasicChart.

```
JBasicChart basicChart = new JBasicChart();
basicChart.setModel(createBasicChartModel());
basicChart.setChartType(ChartType.BAR);

private BasicChartModel createBasicChartModel_() {
    double[] yaxis = {1.000, 3.000, 2, 4, 0, 3.000, 0.000, 0.000, -5.000, 4.000, 3.000};
    int[] xaxis = {200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606,200605,
200604, 200603};
    DefaultBasicChartModel model = new DefaultBasicChartModel();
    model.addSeries("a", yaxis);
    for (int i = 0; i < xaxis.length; i++) {
        model.setCategoryName("" + xaxis[i], i);
    }
    return model;
}
```

It is easy to use JBasicChart, you could use method `setModel(model)` to change the data which displayed on the chart, and also you could use method `setChartType(type)` to change the style of the chart, the parameter type is one of the three values(`ChartType.BAR`、`ChartType.LINE`、`ChartType.PIE`).

To change the data of the chart, you should learn more about `DefaultBasicChartModel`.

`addSeries(String name, double[] values)`, this method add a series values which will be y-axis value, each value have a category name, use the method `setCategoryName(String name, int categoryIndex)` to set it.

`addSeries(String name, double[] values, int index)`, when you saw this method, you should know this model could add multi-series values to it.

It also have some other methods which are easy to use, for example:

```
getCategoryCount()
getCategoryName(int categoryIndex)
getSeriesCount()
getSeriesName(int seriesIndex)
```



`removeSeries(int index)`
etc.

For more information, please see `DefaultBasicChartModel` and `JBasicChart`.