

# beforeRenderer示例说明

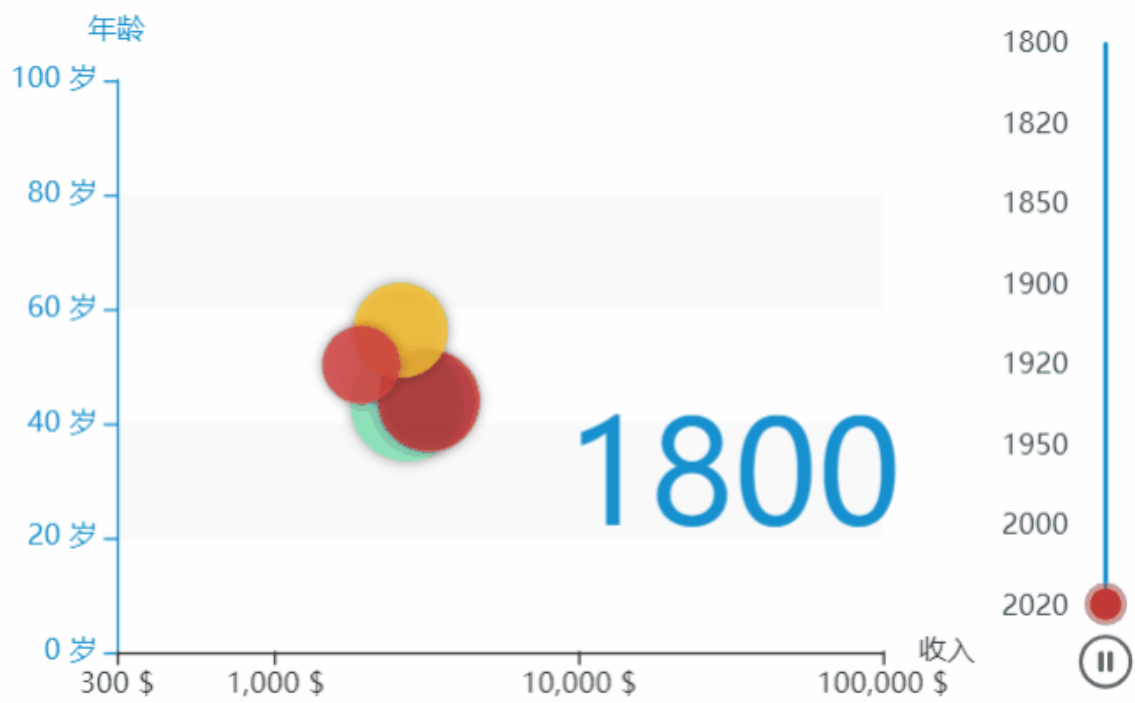
 该宏示例在 V10.5上 验证通过

提示：本文档的示例代码仅适用于本文档中的示例报表/场景。若实际报表/场景与示例代码无法完全适配（如使用功能不一致，或多个宏代码冲突等），需根据实际需求开发代码。

## beforeRenderer

1、beforeRenderer：图形渲染之前执行，主要用于修改图形样式（options），只能使用图形控件开放的options配置，宏代码执行完成后才刷新图形。

beforeRenderer示例代码：以官网示例demo“图形主题”页面中动态散点图为例，说明如何修改图形options。



## 获取图形对象

```
function main(chartView) {
//      1smartbioptions,json
//      jsonEcharts https://echarts.apache.org/zh/option.html#title
//      optionsjsonEcharts
    var chart = chartView.getChartObject();
    var option = chart.getOptions();

//      2optionoptionsoptions https://echarts.apache.org/zh/option.html#title
//
    var series = option.series;
    for (var i in series) {
        var seriesItem = series[i];
        data = seriesItem.data;
        delete seriesItem.data; //optiondataoptions
    }
    var dataOptions = [];
//      .....
//
    option.grid = {
        right: '110' //timeline
    };

//      options

//      demooptions2
//      .....
//      timelineoptions
    var newOptions = {
        baseOption: option,
        options: dataOptions
    };
//      3options
    chart.setOptions(newOptions);
}
```

详细代码示例，仅供参考：

```
function main(chartView) {
    var chart = chartView.getChartObject();
    var option = chart.getOptions();
    var data = [];
    var series = option.series;
    //

    option.chartex = {
        timelineFieldIndex: 3
    };
    if (!option.chartex || !option.chartex.timelineFieldIndex) {
        return;
    }

    for (var i in series) {
        var seriesItem = series[i];
        data = seriesItem.data;
        delete seriesItem.data; //optiondataoptions
    }

    var timelineData = [],
        chartData = chartView.getGridData().data, //
        oldValue = "",
        dataSlice = []; //
    for (var i = 0; i < chartData.length; i++) {
        var row = chartData[i];
```

```

    //
    var cellValue = row[option.chartex.timelineFieldIndex].value;
    if (oldValue != cellValue) {
        timelineData.push(cellValue);
        dataSlice.push(i);
        oldValue = cellValue;
    }
}

// timeline,
option.timeline = {
    data: timelineData, ////timeline
    axisType: 'category',
    orient: 'vertical',
    autoPlay: true,
    inverse: true,
    playInterval: 100,
    left: null,
    right: 0,
    top: 20,
    bottom: 20,
    width: 55,
    height: null,
    symbol: 'none',
    controlStyle: {
        showNextBtn: false,
        showPrevBtn: false,
        normal: {
            color: '#666',
            borderColor: '#666'
        }
    }
};

option.grid = {
    right: '110' //timeline
};

//
option.title = {
    text: timelineData[0] + '',
    textAlign: 'center',
    left: '63%',
    top: '55%',
    textStyle: {
        fontSize: 60
    }
};

// color: 'rgba(255, 255, 255, 0.7)'

var itemStyle = {
    normal: {
        opacity: 0.8,
        shadowBlur: 5,
        shadowOffsetX: 0,
        shadowOffsetY: 0,
        shadowColor: 'rgba(25, 0, 0, 0.5)'
    }
};

// timeline
var newdata = data;
var dataOptions = [];
for (i = 1; i < dataSlice.length; i++) {
    var data1 = newdata.slice(dataSlice[i - 1], dataSlice[i]);
    dataOptions.push({
        series: {
            data: data1,
            itemStyle: itemStyle,
            symbolSize: function(val) {
                var x = val[2];
                var y = Math.sqrt(x / 5e8) + 0.1;
                return y * 40;
            }
        }
    });
}

```

```

        },
        title: {
            show: true,
            text: timelineData[i - 1] + ''
        }
    });
    if (i == dataSlice.length - 1) {
        data1 = newdata.slice(dataSlice[i]);
        dataOptions.push({
            series: {
                data: data1,
                itemStyle: itemStyle,
                symbolSize: function(val) {
                    var x = val[2];
                    var y = Math.sqrt(x / 5e8) + 0.1;
                    return y * 40;
                }
            },
            title: {
                show: true,
                text: timelineData[i] + ''
            }
        });
    }
}
//
var newOptions = {
    baseOption: option,
    options: dataOptions
};
//visualMap,,
var visualMapCategories = [];
for (var i = 0; i < data1.length; i++) {
    var name = data1[i].value[3];
    visualMapCategories.push(name);
}
// visualMapCategories = ["China","United States","United Kingdom","Russia",
// "India","France","Germany","Australia","Canada","Cuba","Finland","Iceland","Japan",
// "North Korea","South Korea","New Zealand","Norway","Poland","Turkey"];
var visualMap2 = {
    show: false,
    dimension: 3,
    categories: visualMapCategories,
    calculable: true,
    precision: 0.2,
    inRange: {
        color: [ '#dd4444', '#fec42c', '#80f1be','#c12e34', '#e6b600', '#0098d9', '#2b821d', '#005eaa',
        '#339ca8', '#cda819', '#32a487' ]
    }
};
option.visualMap = visualMap2;
chart.setOptions(newOptions);
}

```

示例资源: [示例资源.xml](#)