

Highcharts 树状图(Treemap)

本章节我们将为大家介绍 Highcharts 的热点图。

我们在前面的章节已经了解了 Highcharts 配置语法。接下来让我们来看下 Highcharts 的其他配置。

树状图

series 配置

设置 series 的 type 属性为 treemap，series.type 描述了数据列类型。默认值为 "line"。

```
var chart = {  
    type: 'treemap'  
};
```

实例

文件名：highcharts_tree_map.htm

```
<html>  
<head>  
<meta charset="UTF-8" />  
<title>Highcharts 教程 | 菜鸟教程(runoob.com)</title>  
<script src="http://apps.bdimg.com/libs/jquery/2.1.4/jquery.min.js"></script>  
<script src="http://code.highcharts.com/highcharts.js"></script>  
<script src="http://code.highcharts.com/modules/treemap.js"></script>  
<script src="http://code.highcharts.com/modules/heatmap.js"></script>  
</head>  
<body>  
<div id="container" style="width: 550px; height: 400px; margin: 0 auto"></div>  
<script language="JavaScript">  
$(document).ready(function() {  
    var title = {  
        text: 'Highcharts Treemap'  
    };  
  
    var colorAxis = {  
        minColor: '#FFFFFF',  
        maxColor: Highcharts.getOptions().colors[0]  
    };  
  
    var series= [{  
        type: "treemap",  
        layoutAlgorithm: 'squarified',
```

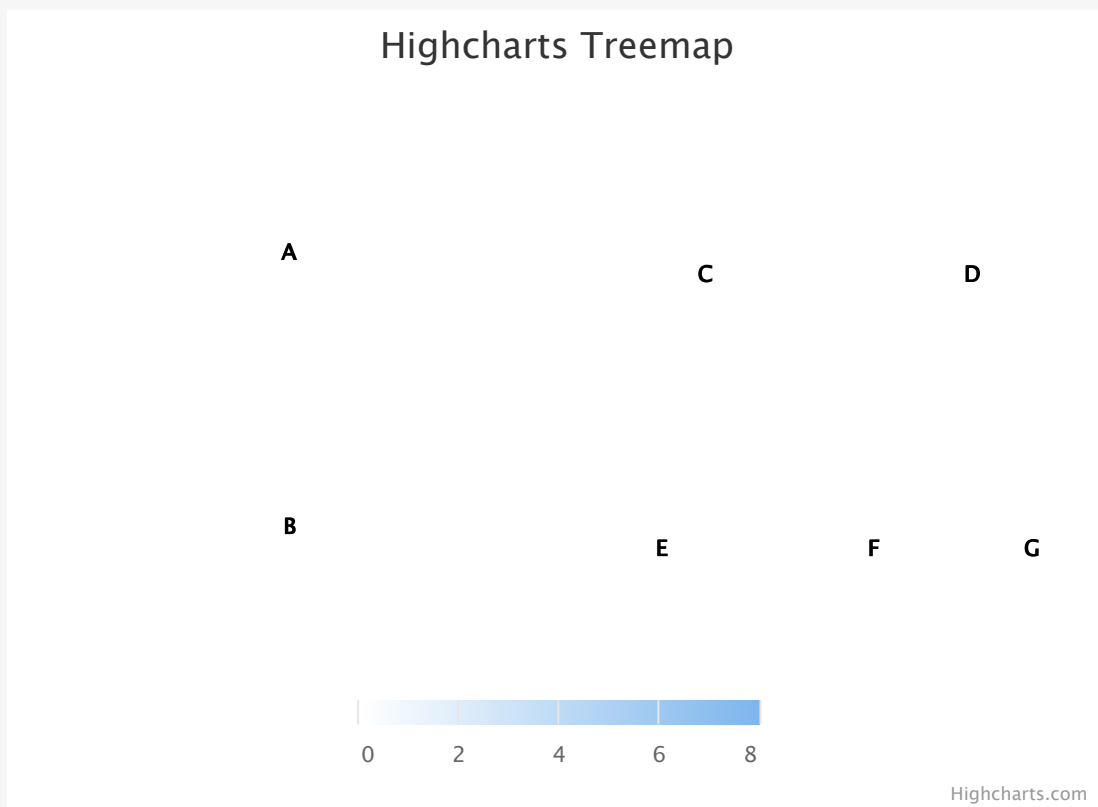
```
data: [{
  name: 'A',
  value: 6,
  colorValue: 1
}, {
  name: 'B',
  value: 6,
  colorValue: 2
}, {
  name: 'C',
  value: 4,
  colorValue: 3
}, {
  name: 'D',
  value: 3,
  colorValue: 4
}, {
  name: 'E',
  value: 2,
  colorValue: 5
}, {
  name: 'F',
  value: 2,
  colorValue: 6
}, {
  name: 'G',
  value: 1,
  colorValue: 7
}]
});

var json = {};
json.title = title;
json.colorAxis = colorAxis;
json.series = series;

$('#container').highcharts(json);
});
</script>
</body>
</html>
```

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以上实例输出结果为：



不同等级树状图

以下实例使用不同颜色来标识不同等级的树状图。

实例

文件名：highcharts_tree_levels.htm（完整源码请点击实例查看）

```
<html>
<head>
<meta charset="UTF-8" />
<title>Highcharts 教程 | 菜鸟教程(runoob.com)</title>
<script src="http://apps.bdimg.com/libs/jquery/2.1.4/jquery.min.js"></script>
<script src="http://code.highcharts.com/highcharts.js"></script>
<script src="http://code.highcharts.com/modules/treemap.js"></script>
<script src="http://code.highcharts.com/modules/heatmap.js"></script>
</head>
<body>
<div id="container" style="width: 550px; height: 400px; margin: 0 auto"></div>
<script language="JavaScript">
$(document).ready(function() {
    var title = {
        text: 'Fruit consumption'
    };

    var series = [{
        type: "treemap",
```

```
layoutAlgorithm: 'stripes',
alternateStartingDirection: true,
levels: [{
  level: 1,
  layoutAlgorithm: 'sliceAndDice',
  dataLabels: {
    enabled: true,
    align: 'left',
    verticalAlign: 'top',
    style: {
      fontSize: '15px',
      fontWeight: 'bold'
    }
  }
}],
data: [{
  id: 'A',
  name: 'Apples',
  color: "#EC2500"
}, {
  id: 'B',
  name: 'Bananas',
  color: "#ECE100"
}, {
  id: 'O',
  name: 'Oranges',
  color: '#EC9800'
}, {
  name: 'Anne',
  parent: 'A',
  value: 5
}, {
  name: 'Rick',
  parent: 'A',
  value: 3
}, {
  name: 'Peter',
  parent: 'A',
  value: 4
}, {
  name: 'Anne',
  parent: 'B',
  value: 4
}, {
  name: 'Rick',
  parent: 'B',
  value: 10
}, {
  name: 'Peter',
```

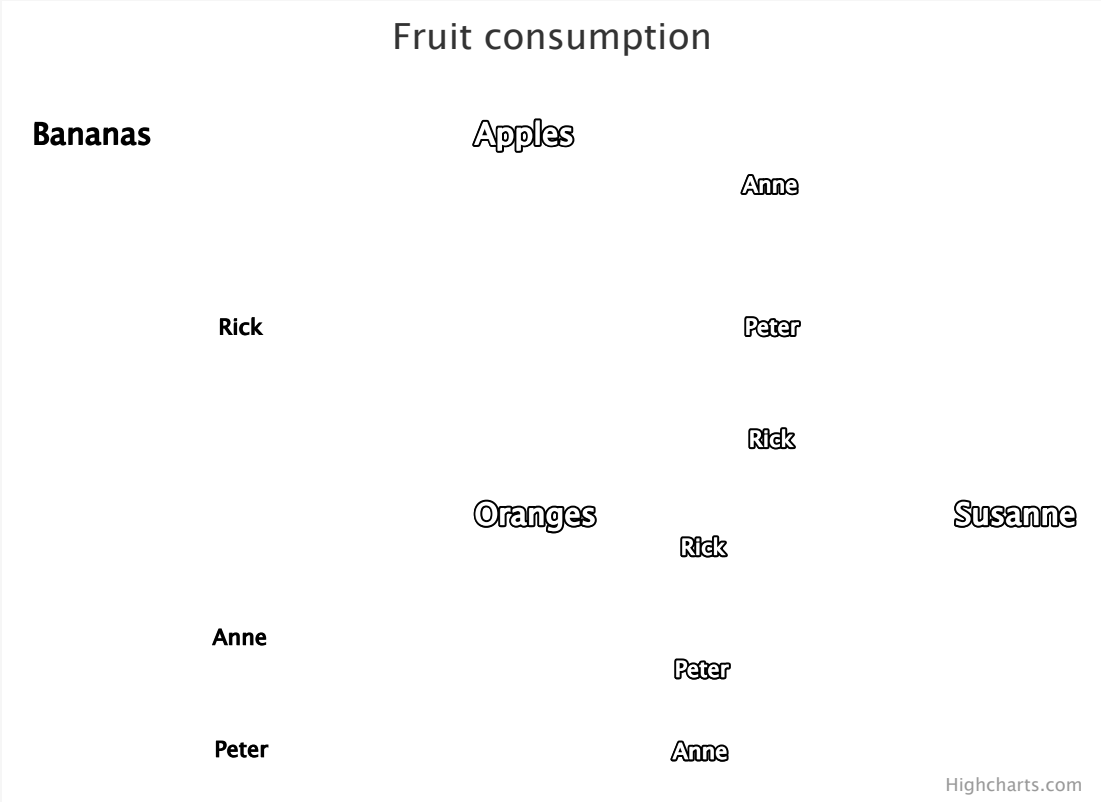
```
        parent: 'B',
        value: 1
    }, {
        name: 'Anne',
        parent: 'O',
        value: 1
    }, {
        name: 'Rick',
        parent: 'O',
        value: 3
    }, {
        name: 'Peter',
        parent: 'O',
        value: 3
    }, {
        name: 'Susanne',
        parent: 'Kiwi',
        value: 2,
        color: '#9EDE00'
    }
  ]
}];

var json = {};
json.title = title;
json.series = series;

$('#container').highcharts(json);
});
</script>
</body>
</html>
```

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以上实例输出结果为：



大数据量树状图

以下实例颜色了大数据量的树状图，具体实例数据可通过点击"尝试一下"查看。

文件名：highcharts_tree_largemap.htm

```
<html>
<head>
<meta charset="UTF-8" />
<title>Highcharts 教程 | 菜鸟教程(runoob.com)</title>
<script src="http://apps.bdimg.com/libs/jquery/2.1.4/jquery.min.js"></script>
<script src="http://code.highcharts.com/highcharts.js"></script>
<script src="http://code.highcharts.com/modules/treemap.js"></script>
<script src="http://code.highcharts.com/modules/heatmap.js"></script>
</head>
<body>
<div id="container" style="width: 550px; height: 400px; margin: 0 auto"></div>
<script language="JavaScript">
$(document).ready(function() {
//省略部分 js 代码
var data = {.....};
var points = [],
    region_p,
    region_val,
    region_i,
    country_p,
    country_i,
```

```
    cause_p,
    cause_i,
    cause_name = [];
    cause_name['Communicable & other Group I'] = 'Communicable diseases';
    cause_name['Noncommunicable diseases'] = 'Non-communicable diseases';
    cause_name['Injuries'] = 'Injuries';
    region_i = 0;
    for (var region in data) {
        region_val = 0;
        region_p = {
            id: "id_" + region_i,
            name: region,
            color: Highcharts.getOptions().colors[region_i]
        };
        country_i = 0;
        for (var country in data[region]) {
            country_p = {
                id: region_p.id + "_" + country_i,
                name: country,
                parent: region_p.id
            };
            points.push(country_p);
            cause_i = 0;
            for (var cause in data[region][country]) {
                cause_p = {
                    id: country_p.id + "_" + cause_i,
                    name: cause_name[cause],
                    parent: country_p.id,
                    value: Math.round(+data[region][country][cause])
                };
                region_val += cause_p.value;
                points.push(cause_p);
                cause_i++;
            }
            country_i++;
        }
        region_p.value = Math.round(region_val / country_i);
        points.push(region_p);
        region_i++;
    }
    var chart = {
        renderTo: 'container'
    };

    var title = {
        text: 'Global Mortality Rate 2012, per 100 000 population'
    };

    var subtitle: {
```

```
    text: 'Click points to drill down. Source: <a href="http://apps.who.int/gho/data/node.main.12?lang=en">WHO</a>.'
  };

  var series = [{
    type: "treemap",
    layoutAlgorithm: 'squarified',
    allowDrillToNode: true,
    dataLabels: {
      enabled: false
    },
    levelIsConstant: false,
    levels: [{
      level: 1,
      dataLabels: {
        enabled: true
      },
    },
    borderWidth: 3
  ]],
  data: points
}];

var json = {};
json.title = title;
json.series = series;

$('#container').highcharts(json);
});
</script>
</body>
</html>
```

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以上实例输出结果为：

2012年全球死亡率到，每10万人口

通过点击钻入，获取更详细数据



Highcharts.com

← Highcharts 热点图

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