

数据可视化 E-charts

使用 echarts 进行数据可视化，地址参考：

<https://echarts.apache.org/examples/zh/index.html>

以饼图为例。结合我们的分析数据，调整图例，以下以给出的图例进行演示。：

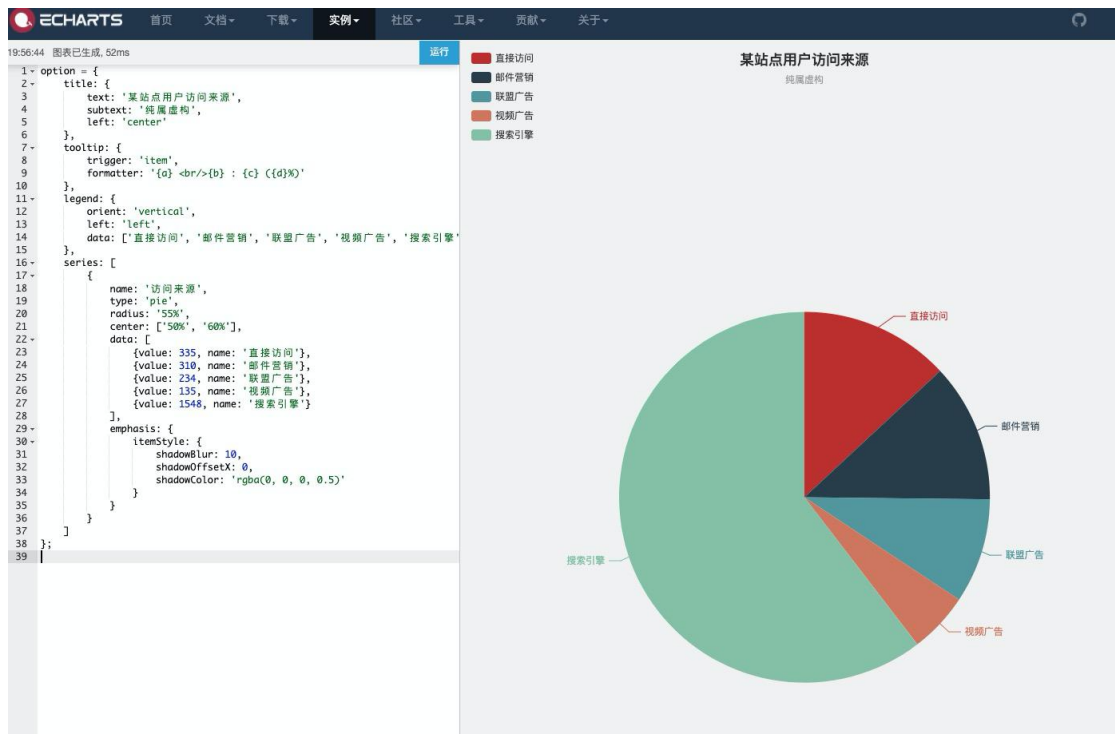
<https://echarts.apache.org/examples/zh/editor.html?c=pie-simple>

```
option = {
  title: {
    text: '某站点用户访问来源',
    subtext: '纯属虚构',
    left: 'center'
  },
  tooltip: {
    trigger: 'item',
    formatter: '{a} <br/> {b} : {c} ({d}%)'
  },
  legend: {
    orient: 'vertical',
    left: 'left',
    data: ['直接访问', '邮件营销', '联盟广告', '视频广告', '搜索引擎']
  },
  series: [
    {
      name: '访问来源',
      type: 'pie',
      radius: '55%',
      center: ['50%', '60%'],
      data: [
        {value: 335, name: '直接访问'},
        {value: 310, name: '邮件营销'},
        {value: 234, name: '联盟广告'},
        {value: 135, name: '视频广告'},
        {value: 1548, name: '搜索引擎'}
      ],
      emphasis: {
        itemStyle: {
          shadowBlur: 10,
          shadowOffsetX: 0,
          shadowColor: 'rgba(0, 0, 0, 0.5)'
        }
      }
    }
  ]
}
```

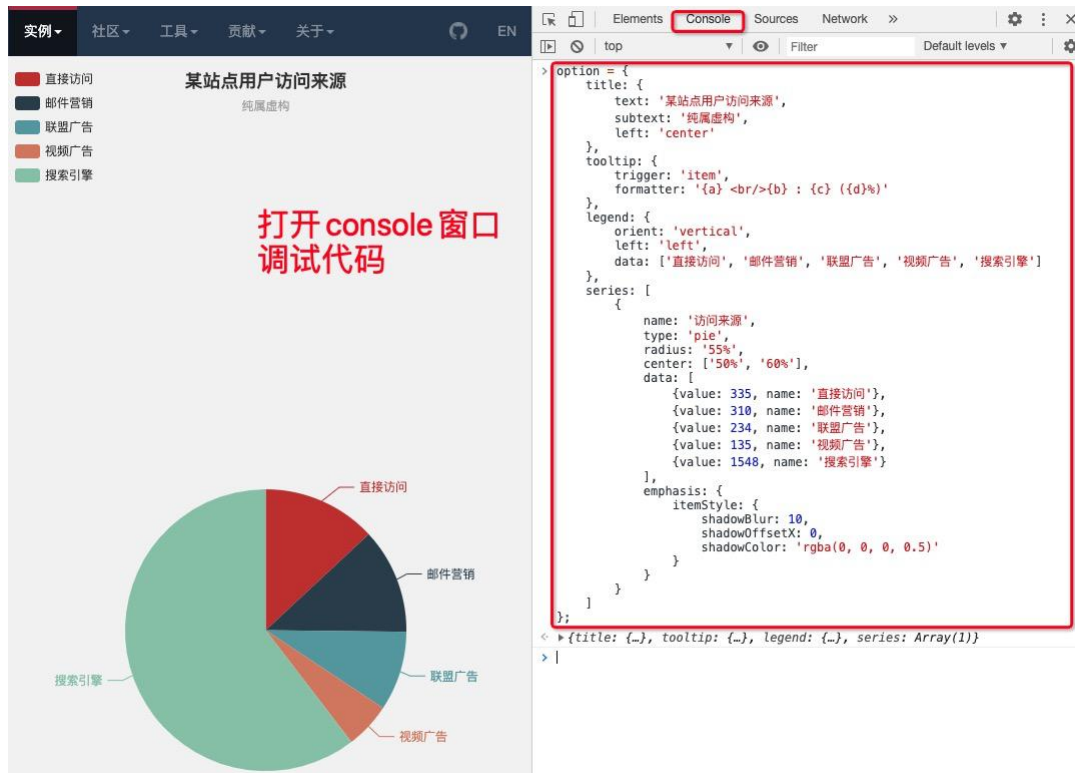
```

    }
  ]
};

```



使用 Console 对象用于对 JavaScript 调试。以 Chrome 浏览器为例，通过按 F12 或者 Control+Shift+i (PC 平台) / Alt+Command+i (Mac 平台) 来打开 Console 窗口。



JSON.stringify(option)

来源	value
直接访问	335
邮件营销	234
联盟广告	310
搜索引擎	1548
视频广告	135

```
emphasis: {
  itemStyle: {
    shadowBlur: 10,
    shadowOffsetX: 0,
    shadowColor: 'rgba(0, 0, 0, 0.5)'}
  }
};
```

JSON.stringify(option) 转化字符串

```
<{"title":{"text":"某站点用户访问来源","subtext":"纯属虚构","left":"center"},"tooltip":{"trigger":"item","formatter":{"a}<br/>{b} : {c}{d}%"},"legend":{"orient":"vertical","left":"left"},"data":[{"直接访问","邮件营销","联盟广告","视频广告","搜索引擎"}],"series":[{"name":"访问来源","type":"pie","radius":"55%","center":["50%","60%"],"data":[{"value":335,"name":"直接访问"}, {"value":310,"name":"邮件营销"}, {"value":234,"name":"联盟广告"}, {"value":135,"name":"视频广告"}, {"value":1548,"name":"搜索引擎"}],"emphasis":{"itemStyle":{"shadowBlur":10,"shadowOffsetX":0,"shadowColor":"rgba(0, 0, 0, 0.5)"}}}]}"
```

```
{
  "title": {
    "text": "某站点用户访问来源",
    "subtext": "纯属虚构"
  },
  "left": "center",
  "tooltip": {
    "trigger": "item",
    "formatter": "{a} <br/> {b} : {c}  
{d}%"
  },
  "legend": {
    "orient": "vertical",
    "left": "left",
    "data": [
      "直接访问",
      "邮件营销",
      "联盟广告",
      "视频广告",
      "搜索引擎"
    ]
  },
  "series": [
    {
      "name": "访问来源",
      "type": "pie",
      "radius": "55%",
      "center": ["50%", "60%"],
      "data": [
        {
          "value": 335,
          "name": "直接访问"
        },
        {
          "value": 310,
          "name": "邮件营销"
        },
        {
          "value": 234,
          "name": "联盟广告"
        },
        {
          "value": 135,
          "name": "视频广告"
        },
        {
          "value": 1548,
          "name": "搜索引擎"
        }
      ]
    }
  ],
  "emphasis": {
    "itemStyle": {
      "shadowBlur": 10,
      "shadowOffsetX": 0,
      "shadowColor": "rgba(0, 0, 0, 0.5)"
    }
  }
}
```