

# react使用Echarts

## 安装

```
1. yarn add echarts echarts-for-react
```

## 使用方式

1.加载全部

```
import echarts from 'echarts';

//主题文件
import echartTheme from '../echartTheme';
```

但是不推荐上面这种直接加载全部的方式，我们推荐使用按需加载的方式  
下面这几个是基本都会用到的，我们直接加载进来

```
import echarts from 'echarts/lib/echarts';
import 'echarts/lib/chart/bar';
import 'echarts/lib/component/tooltip';
import 'echarts/lib/component/title';
import 'echarts/lib/component/legend';
import 'echarts/lib/component/markPoint';

import ReactEcharts from 'echarts-for-react';
```

## 柱形图

```
import React, { Component } from 'react';
import { Card } from 'antd';
import echartTheme from '../echartTheme';
import echarts from 'echarts/lib/echarts';
import 'echarts/lib/chart/bar';
import 'echarts/lib/component/tooltip';
import 'echarts/lib/component/title';
import 'echarts/lib/component/legend';
import 'echarts/lib/component/markPoint';
import ReactEcharts from 'echarts-for-react';
```

```
export default class Bar extends Component {
  componentWillMount() {      //这里使用will而不是did, 是因为想使用自己导入的主题
    echarts.registerTheme('Imooc', echartTheme);
    //第一个参数自己命名和下面theme="Imooc"对应
  }

  getOption = () => {
    let option = {
      title: {
        text: '用户骑行订单'
      },
      tooltip: {
        trigger: 'axis'
      },
      xAxis: {
        data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
      },
      yAxis: {
        type: 'value'
      },
      series: [
        {
          name: '订单量',
          type: 'bar',
          data: [1000, 2000, 1500, 3000, 2000, 1111, 800]
        }
      ]
    };
    return option;
  };

  getOption2 = () => {
    let option = {
      title: {
        text: '用户骑行订单'
      },
      legend: {
        data: ['OFO', '摩拜', '哈喽']
      },
      tooltip: {
        trigger: 'axis'
      },
      xAxis: {
        data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
      },
      yAxis: {
```

```

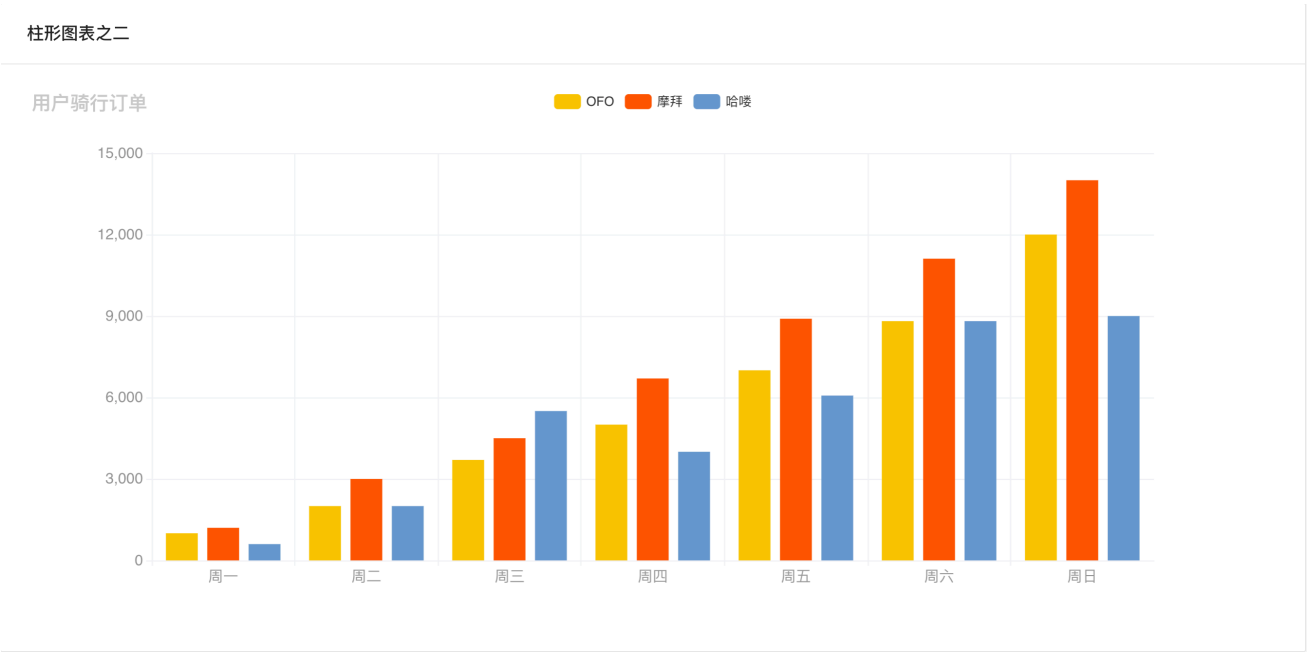
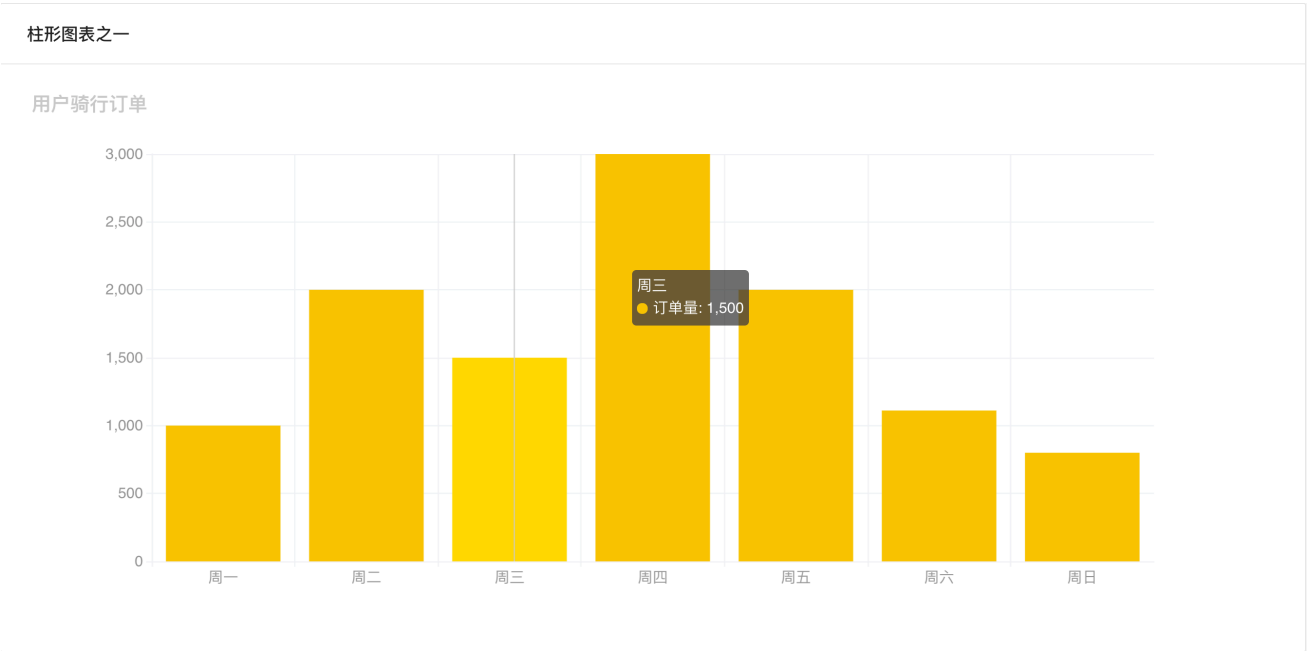
        type: 'value'
      },
      series: [
        {
          name: 'OFO',
          type: 'bar',
          data: [1000, 2000, 3700, 5000, 7000, 8811, 12000]
        },
        {
          name: '摩拜',
          type: 'bar',
          data: [1200, 3000, 4500, 6700, 8900, 11111, 14000]
        },
        {
          name: '哈喽',
          type: 'bar',
          data: [600, 2000, 5500, 4000, 6070, 8811, 8999]
        }
      ]
    };
    return option;
  };

  render() {
    return (
      <div>
        <Card title="柱形图表之一">
          <ReactEcharts
            option={this.getOption()}
            theme="Imooc"
            style={{ height: 500 }}
          />
        </Card>

        <Card title="柱形图表之二" style={{ marginTop: 15 }}>
          <ReactEcharts
            option={this.getOption2()}
            theme="Imooc"
            style={{ height: 500 }}
          />
        </Card>
      </div>
    );
  }
}

```

效果图



饼图

```
import React, { Component } from 'react';
```

```

import { Card } from 'antd';
import echartTheme from '../echartTheme';
import echarts from 'echarts/lib/echarts';
import 'echarts/lib/chart/pie';
import 'echarts/lib/component/tooltip';
import 'echarts/lib/component/title';
import 'echarts/lib/component/legend';
import 'echarts/lib/component/markPoint';
import ReactEcharts from 'echarts-for-react';

export default class Bar extends Component {
  componentWillMount() {
    echarts.registerTheme('Imooc', echartTheme);
  }

  getOption = () => {
    let option = {
      title: {
        text: '用户骑行订单',
        x: 'center'
      },
      legend: {
        orient: 'vertical',
        right: 10,
        top: 20,
        bottom: 20,
        data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
      },
      tooltip: {
        trigger: 'item',
        formatter: '{a}<br />{b}:{c}({d}%)'
      },
      series: [
        {
          name: '订单量',
          type: 'pie',
          data: [
            {
              value: 800,
              name: '周一'
            },
            {
              value: 500,
              name: '周二'
            },
            {

```

```

        value: 990,
        name: '周三'
    },
    {
        value: 1200,
        name: '周四'
    },
    {
        value: 1660,
        name: '周五'
    },
    {
        value: 2000,
        name: '周六'
    },
    {
        value: 2200,
        name: '周日'
    }
]
}
]
};
return option;
};

getOption2 = () => {
    let option = {
        title: {
            text: '用户骑行订单',
            x: 'center'
        },
        legend: {
            orient: 'vertical',
            right: 10,
            top: 20,
            bottom: 20,
            data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
        },
        tooltip: {
            trigger: 'item',
            formatter: '{a}<br />{b}:{c}({d}%)'
        },
        series: [
            {
                name: '订单量',

```

```

    type: 'pie',
    radius: ['50%', '80%'],
    data: [
      {
        value: 800,
        name: '周一'
      },
      {
        value: 500,
        name: '周二'
      },
      {
        value: 990,
        name: '周三'
      },
      {
        value: 1200,
        name: '周四'
      },
      {
        value: 1660,
        name: '周五'
      },
      {
        value: 2000,
        name: '周六'
      },
      {
        value: 2200,
        name: '周日'
      }
    ]
  }
];
};
return option;
};

```

```

getOption3 = () => {
  let option = {
    title: {
      text: '用户骑行订单',
      x: 'center'
    },
    legend: {
      orient: 'vertical',

```

```
right: 10,
top: 20,
bottom: 20,
data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
},
tooltip: {
  trigger: 'item',
  formatter: '{a}<br />{b}:{c}({d}%)'
},
series: [
  {
    name: '订单量',
    type: 'pie',
    data: [
      {
        value: 600,
        name: '周一'
      },
      {
        value: 750,
        name: '周二'
      },
      {
        value: 880,
        name: '周三'
      },
      {
        value: 1300,
        name: '周四'
      },
      {
        value: 1000,
        name: '周五'
      },
      {
        value: 1100,
        name: '周六'
      },
      {
        value: 1200,
        name: '周日'
      }
    ]
  },
  {
    sort: (a, b) => {
      return a.value - b.value;
    },
    roseType: 'radius'
  }
]
```



```

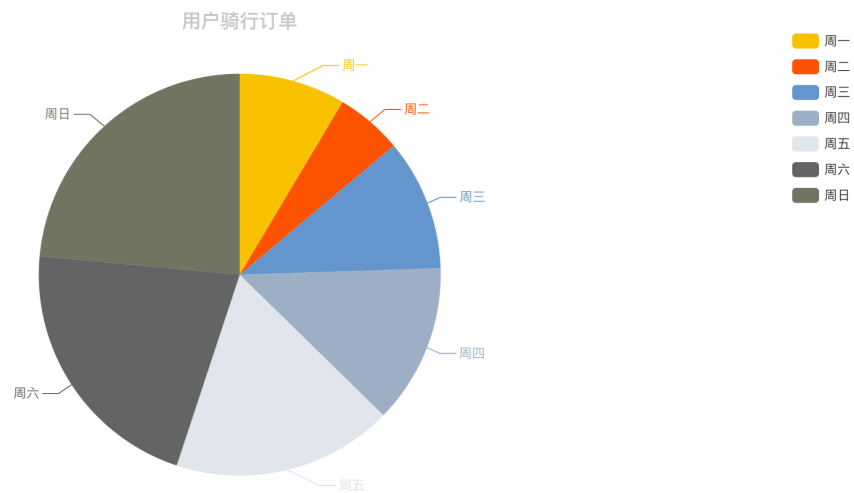
    }
  ]
};
return option;
};

render() {
  return (
    <div>
      <Card title="饼图表之一">
        <ReactEcharts
          option={this.getOption()}
          theme="Imooc"
          style={{ height: 500 }}
        />
      </Card>
      <Card title="饼图表之二" style={{ marginTop: 15 }}>
        <ReactEcharts
          option={this.getOption2()}
          theme="Imooc"
          style={{ height: 500 }}
        />
      </Card>
      <Card title="饼图表之三" style={{ marginTop: 15 }}>
        <ReactEcharts
          option={this.getOption3()}
          theme="Imooc"
          style={{ height: 500 }}
        />
      </Card>
    </div>
  );
}
}

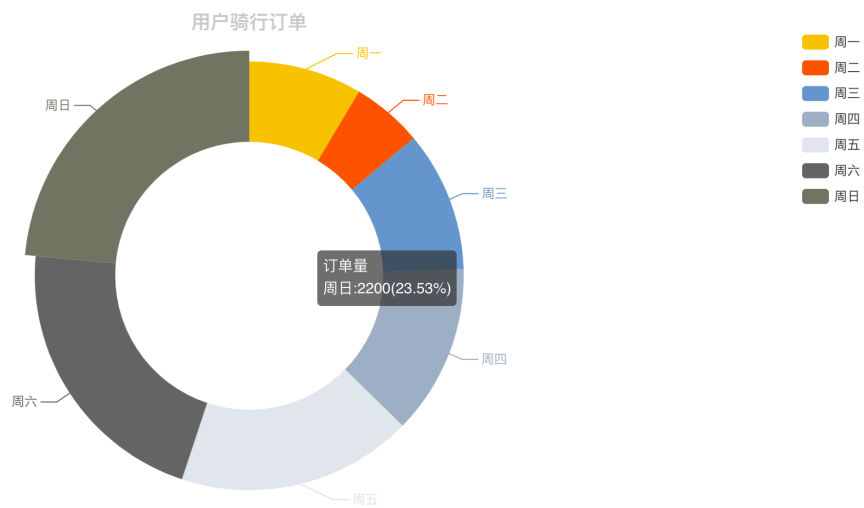
```

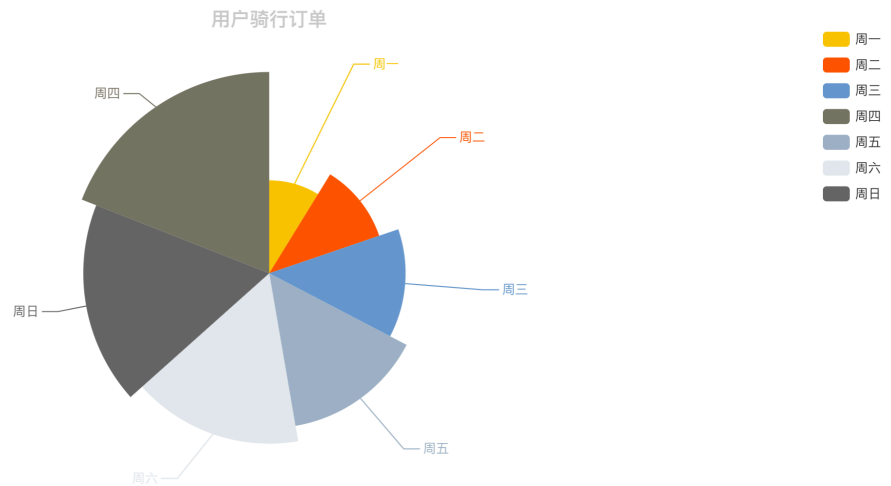
效果图

饼图表之一



饼图表之二





## 折线图

```
import React, { Component } from 'react';
import { Card } from 'antd';
import echarTheme from '../echarTheme';
import echarts from 'echarts/lib/echarts';
import 'echarts/lib/chart/line';
import 'echarts/lib/component/tooltip';
import 'echarts/lib/component/title';
import 'echarts/lib/component/legend';
import 'echarts/lib/component/markPoint';
import ReactEcharts from 'echarts-for-react';

export default class Bar extends Component {
  componentWillMount() {
    echarts.registerTheme('Imooc', echarTheme);
  }

  getOption = () => {
    let option = {
      title: {
        text: '用户骑行订单'
      },
      tooltip: {
```

```

        trigger: 'axis'
    },
    xAxis: {
        data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
    },
    yAxis: {
        type: 'value'
    },
    series: [
        {
            name: '订单量',
            type: 'line',
            data: [1000, 2000, 1500, 3000, 2000, 1200, 800]
        }
    ]
};
return option;
};

getOption2 = () => {
    let option = {
        title: {
            text: '用户骑行订单'
        },
        tooltip: {
            trigger: 'axis'
        },
        legend: {
            data: ['OFO订单量', '摩拜订单量']
        },
        xAxis: {
            data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
        },
        yAxis: {
            type: 'value'
        },
        series: [
            {
                name: 'OFO订单量',
                type: 'line',
                data: [1200, 3000, 4000, 6000, 8000, 12000, 15000]
            },
            {
                name: '摩拜订单量',
                type: 'line',
                data: [8000, 2000, 5500, 8000, 9000, 14000, 19000]
            }
        ]
    }
};

```

```

    }
  ]
};
return option;
};

getOption3 = () => {
  let option = {
    title: {
      text: '用户骑行订单'
    },
    tooltip: {
      trigger: 'axis'
    },
    legend: {
      data: ['OFO订单量', '摩拜订单量']
    },
    xAxis: {
      type: 'category',
      boundaryGap: false,
      data: ['周一', '周二', '周三', '周四', '周五', '周六', '周日']
    },
    yAxis: {
      type: 'value'
    },
    series: [
      {
        name: '订单量',
        type: 'line',
        data: [4000, 6000, 9000, 14000, 12000, 7000, 14000],
        areaStyle: {}
      }
    ]
  };
  return option;
};

render() {
  return (
    <div>
      <Card title="折线图表之一">
        <ReactEcharts
          option={this.getOption()}
          theme="Imooc"
          style={{ height: 500 }}
        />
    </div>
  );
}

```

```

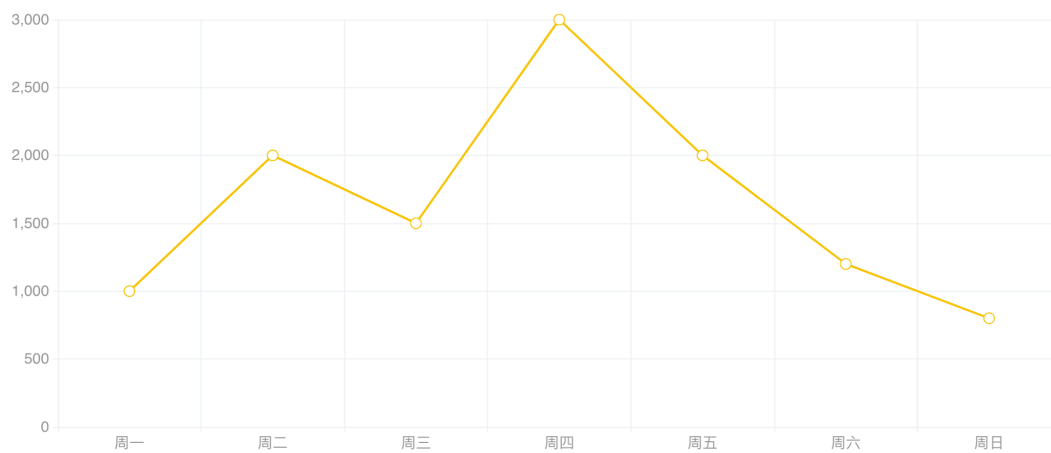
    </Card>
    <Card title="折线图表之二" style={{ marginTop: 15 }}>
      <ReactEcharts
        option={this.getOption2()}
        theme="Imooc"
        style={{ height: 500 }}
      />
    </Card>
    <Card title="折线图表之三" style={{ marginTop: 15 }}>
      <ReactEcharts
        option={this.getOption3()}
        theme="Imooc"
        style={{ height: 500 }}
      />
    </Card>
  </div>
);
}
}

```

## 效果图

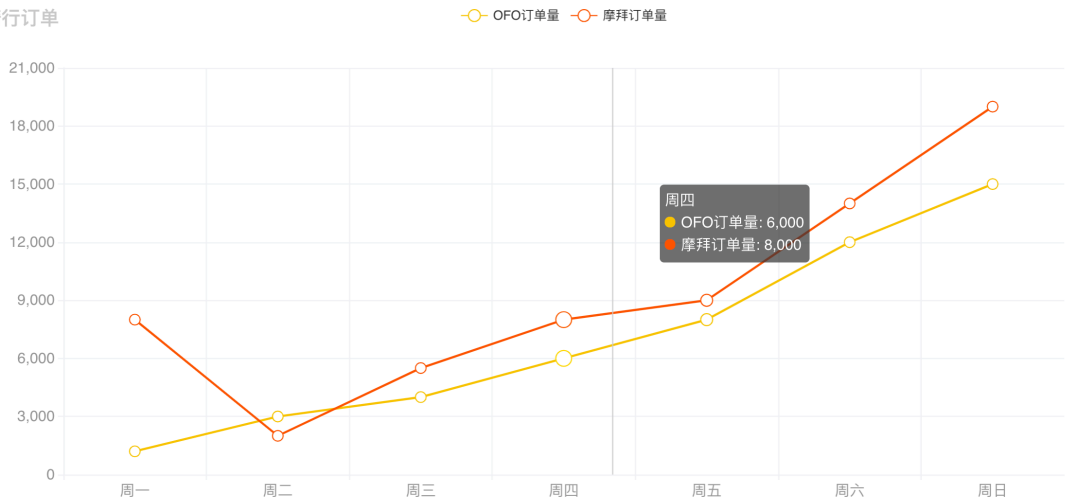
折线图表之一

用户骑行订单



折线图表之二

用户骑行订单



折线图表之三

用户骑行订单

