google.load('visualization', '1', {

'packages': ['corechart']

});

var metricsResponse;

var metricTypes = [

{id:'orders', name:'orders'},

{id:'pageViews', name:'pageViews'},

{id:'sales', name:'sales'},

{id:'clickThruRate', name:'clickThruRate'}

];

var oReq = new XMLHttpRequest();

oReq.onload = reqListener;

oReq.open("get", "chart-api-data.json", true);

oReq.send();

function reqListener(e) {

metricsResponse = JSON.parse(this.responseText);

init();

}

var Dropdown = React.createClass({

propTypes: {

id: React.PropTypes.string.isRequired,

options: React.PropTypes.array.isRequired,

valueField: React.PropTypes.string,

labelField: React.PropTypes.string,

metricActiveSelection: React.PropTypes.string,

onUserInput: React.PropTypes.func

},

render: function() {

var self = this;

var options = self.props.options.map(function(option) {

return (

<option key={option[self.props.valueField]} value={option[self.props.valueField]}>

{option[self.props.labelField]}

</option>

)

});

return (

<select id={this.props.id}

className='form-control'

value={this.props.metricActiveSelection}

onChange={this.handleChange}>

{options}

</select>

)

},

handleChange: function(e) {

this.props.onUserInput(

e.target.value

);

}

});

var Chart = React.createClass({

getInitialState: function() {

return {

data: this.getData(this.props)

};

},

render: function() {

return React.DOM.div({

id: 'line',

style: {

width: '800px',

height: '500px'

}

});

},

componentDidMount: function() {

this.draw(this.props);

},

componentWillReceiveProps: function (nextProps) {

this.draw(nextProps);

},

draw: function(props) {

var data = this.getData(props);

var options = {

title: props.filterByMetric,

curveType: 'function',

legend: { position: 'bottom' }

};

var element = document.getElementById('line');

var chart = new google.visualization.LineChart(element);

chart.draw(data, options);

},

getData: function(props) {

var rows = [['Date', props.filterByMetric]];

props.metricsData.records.forEach((record) => {

rows.push([record.date, record[props.filterByMetric]]);

});

return google.visualization.arrayToDataTable(rows);

}

});

var MetricsChart = React.createClass({

getInitialState: function() {

return {

selected: this.props.metricSelection[0].id

}

},

handleUserInput: function(selected) {

this.setState({

selected: selected

});

},

render: function() {

return (

<div>

<Dropdown id='myDropdown'

options={this.props.metricSelection}

labelField='name'

valueField='id'

metricActiveSelection={this.state.selected}

onUserInput={this.handleUserInput}/>

<Chart metricsData={this.props.metrics}

filterByMetric={this.state.selected}/>

</div>

);

}

});

function init() {

React.render(<MetricsChart metrics={metricsResponse} metricSelection={metricTypes} />,

document.getElementById('root'));

}

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="style.css">

</head>

<body>

<div id="root"></div>

<script type="text/javascript" src="https://www.google.com/jsapi"> </script>

<script type="text/javascript">

google.load('visualization', '1.0', { 'packages': ['corechart'] });

</script>

<script src="https://fb.me/react-0.14.3.js"></script>

<script src="script.js"></script>

</body>

</html>

{"xaxis":"date","records":[{"date":"04/27/2016","clickThruRate":11.575086019490813,"sales":1685103.46,"pageViews":672522,"orders":14274},{"date":"04/28/2016","clickThruRate":11.057877730829555,"sales":1409394.37,"pageViews":700062,"orders":13279},{"date":"04/29/2016","clickThruRate":10.769637784623608,"sales":1587128.08,"pageViews":733293,"orders":15378},{"date":"04/30/2016","clickThruRate":11.793559308371288,"sales":2021584.7,"pageViews":744330,"orders":16934},{"date":"05/01/2016","clickThruRate":11.906171613821066,"sales":1916290.7,"pageViews":721189,"orders":16156},{"date":"05/02/2016","clickThruRate":11.618584711166937,"sales":1903934.82,"pageViews":732430,"orders":16097},{"date":"05/03/2016","clickThruRate":11.816696070335519,"sales":1829264.87,"pageViews":754441,"orders":15928},{"date":"05/04/2016","clickThruRate":11.348390339421794,"sales":1801206.07,"pageViews":688406,"orders":14728},{"date":"05/05/2016","clickThruRate":10.878498398534205,"sales":1469729.23,"pageViews":714970,"orders":13465},{"date":"05/06/2016","clickThruRate":10.516210900323584,"sales":1718445.58,"pageViews":788050,"orders":15098},{"date":"05/07/2016","clickThruRate":11.526655322695047,"sales":2114943.18,"pageViews":830397,"orders":17652},{"date":"05/08/2016","clickThruRate":11.507679701892917,"sales":2014664.09,"pageViews":766436,"orders":16546},{"date":"05/09/2016","clickThruRate":11.242699566809593,"sales":1928012.85,"pageViews":770331,"orders":16092},{"date":"05/10/2016","clickThruRate":10.893546540059813,"sales":1881597.17,"pageViews":813858,"orders":16011},{"date":"05/11/2016","clickThruRate":10.426308502316706,"sales":2006681.52,"pageViews":750419,"orders":15244},{"date":"05/12/2016","clickThruRate":10.228687824092221,"sales":1657790.28,"pageViews":778135,"orders":14396},{"date":"05/13/2016","clickThruRate":10.267319244803828,"sales":1831513.38,"pageViews":815841,"orders":15821},{"date":"05/14/2016","clickThruRate":10.505324018843531,"sales":2307825.41,"pageViews":901105,"orders":18631},{"date":"05/15/2016","clickThruRate":11.040994856188075,"sales":2030277.03,"pageViews":777439,"orders":15679},{"date":"05/16/2016","clickThruRate":10.718396935289883,"sales":2046377.97,"pageViews":853066,"orders":16816},{"date":"05/17/2016","clickThruRate":10.957155771243695,"sales":2068041.45,"pageViews":840720,"orders":18060},{"date":"05/18/2016","clickThruRate":10.773169526744848,"sales":2624135.41,"pageViews":933133,"orders":20846},{"date":"05/19/2016","clickThruRate":10.69431474989667,"sales":2227262.63,"pageViews":914542,"orders":18442},{"date":"05/20/2016","clickThruRate":10.408943385701141,"sales":2678447.38,"pageViews":935753,"orders":21437},{"date":"05/21/2016","clickThruRate":11.149821409515202,"sales":2573659.9,"pageViews":955818,"orders":21210},{"date":"05/22/2016","clickThruRate":15.679479678699595,"sales":2420261.63,"pageViews":599937,"orders":19976},{"date":"05/23/2016","clickThruRate":15.608790757968327,"sales":2300511.8,"pageViews":594761,"orders":19180},{"date":"05/24/2016","clickThruRate":16.032771319578874,"sales":2298817.47,"pageViews":598206,"orders":19109},{"date":"05/25/2016","clickThruRate":15.722837859811564,"sales":2252306.65,"pageViews":535037,"orders":18709},{"date":"05/26/2016","clickThruRate":15.787245628692487,"sales":2198129.93,"pageViews":536224,"orders":18708},{"date":"05/27/2016","clickThruRate":15.69726378964112,"sales":3441237.84,"pageViews":831113,"orders":29139}]}