 [Chart.js](http://docs.google.com/docs/3.9.1/)

[Home](http://docs.google.com/docs/3.9.1/)

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

Ecosystem Ecosystem

* [Awesome (opens new window)](https://github.com/chartjs/awesome)
* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

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* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

* [Information](http://docs.google.com/docs/3.9.1/samples/information.html)
* Bar Charts
* Line Charts
* Other charts
* Area charts
* Scales
  + [Linear Scale - Min-Max](http://docs.google.com/docs/3.9.1/samples/scales/linear-min-max.html)
  + [Linear Scale - Suggested Min-Max](http://docs.google.com/docs/3.9.1/samples/scales/linear-min-max-suggested.html)
  + [Linear Scale - Step Size](http://docs.google.com/docs/3.9.1/samples/scales/linear-step-size.html)
  + [Log Scale](http://docs.google.com/docs/3.9.1/samples/scales/log.html)
  + [Stacked Linear / Category](http://docs.google.com/docs/3.9.1/samples/scales/stacked.html)
  + [Time Scale](http://docs.google.com/docs/3.9.1/samples/scales/time-line.html)
  + [Time Scale - Max Span](http://docs.google.com/docs/3.9.1/samples/scales/time-max-span.html)
  + [Time Scale - Combo Chart](http://docs.google.com/docs/3.9.1/samples/scales/time-combo.html)
* Scale Options
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Time Scale

config setup actions

const config = { type: 'line', data: data, options: { plugins: { title: { text: 'Chart.js Time Scale', display: true } }, scales: { x: { type: 'time', time: { // Luxon format string tooltipFormat: 'DD T' }, title: { display: true, text: 'Date' } }, y: { title: { display: true, text: 'value' } } }, }, };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 plugins: {  
 title: {  
 text: 'Chart.js Time Scale',  
 display: true  
 }  
 },  
 scales: {  
 x: {  
 type: 'time',  
 time: {  
 // Luxon format string  
 tooltipFormat: 'DD T'  
 },  
 title: {  
 display: true,  
 text: 'Date'  
 }  
 },  
 y: {  
 title: {  
 display: true,  
 text: 'value'  
 }  
 }  
 },  
 },  
};

const DATA\_COUNT = 7; const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100}; const data = { labels: [ // Date Objects Utils.newDate(0), Utils.newDate(1), Utils.newDate(2), Utils.newDate(3), Utils.newDate(4), Utils.newDate(5), Utils.newDate(6) ], datasets: [{ label: 'My First dataset', backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5), borderColor: Utils.CHART\_COLORS.red, fill: false, data: Utils.numbers(NUMBER\_CFG), }, { label: 'My Second dataset', backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5), borderColor: Utils.CHART\_COLORS.blue, fill: false, data: Utils.numbers(NUMBER\_CFG), }, { label: 'Dataset with point data', backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.green, 0.5), borderColor: Utils.CHART\_COLORS.green, fill: false, data: [{ x: Utils.newDateString(0), y: Utils.rand(0, 100) }, { x: Utils.newDateString(5), y: Utils.rand(0, 100) }, { x: Utils.newDateString(7), y: Utils.rand(0, 100) }, { x: Utils.newDateString(15), y: Utils.rand(0, 100) }], }] };

const DATA\_COUNT = 7;  
const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100};  
const data = {  
 labels: [ // Date Objects  
 Utils.newDate(0),  
 Utils.newDate(1),  
 Utils.newDate(2),  
 Utils.newDate(3),  
 Utils.newDate(4),  
 Utils.newDate(5),  
 Utils.newDate(6)  
 ],  
 datasets: [{  
 label: 'My First dataset',  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5),  
 borderColor: Utils.CHART\_COLORS.red,  
 fill: false,  
 data: Utils.numbers(NUMBER\_CFG),  
 }, {  
 label: 'My Second dataset',  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5),  
 borderColor: Utils.CHART\_COLORS.blue,  
 fill: false,  
 data: Utils.numbers(NUMBER\_CFG),  
 }, {  
 label: 'Dataset with point data',  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.green, 0.5),  
 borderColor: Utils.CHART\_COLORS.green,  
 fill: false,  
 data: [{  
 x: Utils.newDateString(0),  
 y: Utils.rand(0, 100)  
 }, {  
 x: Utils.newDateString(5),  
 y: Utils.rand(0, 100)  
 }, {  
 x: Utils.newDateString(7),  
 y: Utils.rand(0, 100)  
 }, {  
 x: Utils.newDateString(15),  
 y: Utils.rand(0, 100)  
 }],  
 }]  
};

const actions = [ { name: 'Randomize', handler(chart) { chart.data.datasets.forEach(dataset => { dataset.data.forEach(function(dataObj, j) { const newVal = Utils.rand(0, 100); if (typeof dataObj === 'object') { dataObj.y = newVal; } else { dataset.data[j] = newVal; } }); }); chart.update(); } }, ];

const actions = [  
 {  
 name: 'Randomize',  
 handler(chart) {  
 chart.data.datasets.forEach(dataset => {  
 dataset.data.forEach(function(dataObj, j) {  
 const newVal = Utils.rand(0, 100);  
 if (typeof dataObj === 'object') {  
 dataObj.y = newVal;  
 } else {  
 dataset.data[j] = newVal;  
 }  
 });  
 });  
 chart.update();  
 }  
 },  
];

## [**#**](#30j0zll) Docs

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Time Cartesian Axis](http://docs.google.com/docs/3.9.1/axes/cartesian/time.html)

Last Updated: 8/3/2022, 12:46:38 PM

←  [Stacked Linear / Category](http://docs.google.com/docs/3.9.1/samples/scales/stacked.html)   [Time Scale - Max Span](http://docs.google.com/docs/3.9.1/samples/scales/time-max-span.html)  →