 [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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[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) Linear Scale - Step Size

config setup actions

const config = { type: 'line', data: data, options: { responsive: true, plugins: { tooltip: { mode: 'index', intersect: false }, title: { display: true, text: 'Chart.js Line Chart' } }, hover: { mode: 'index', intersec: false }, scales: { x: { title: { display: true, text: 'Month' } }, y: { title: { display: true, text: 'Value' }, min: 0, max: 100, ticks: { // forces step size to be 50 units stepSize: 50 } } } }, };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 responsive: true,  
 plugins: {  
 tooltip: {  
 mode: 'index',  
 intersect: false  
 },  
 title: {  
 display: true,  
 text: 'Chart.js Line Chart'  
 }  
 },  
 hover: {  
 mode: 'index',  
 intersec: false  
 },  
 scales: {  
 x: {  
 title: {  
 display: true,  
 text: 'Month'  
 }  
 },  
 y: {  
 title: {  
 display: true,  
 text: 'Value'  
 },  
 min: 0,  
 max: 100,  
 ticks: {  
 // forces step size to be 50 units  
 stepSize: 50  
 }  
 }  
 }  
 },  
};

const DATA\_COUNT = 7; const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100}; const labels = Utils.months({count: 7}); const data = { labels: labels, datasets: [ { label: 'Dataset 1', data: Utils.numbers(NUMBER\_CFG), borderColor: Utils.CHART\_COLORS.red, backgroundColor: Utils.CHART\_COLORS.red, }, { label: 'Dataset 2', data: Utils.numbers(NUMBER\_CFG), borderColor: Utils.CHART\_COLORS.blue, backgroundColor: Utils.CHART\_COLORS.blue, } ] };

const DATA\_COUNT = 7;  
const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100};  
const labels = Utils.months({count: 7});  
const data = {  
 labels: labels,  
 datasets: [  
 {  
 label: 'Dataset 1',  
 data: Utils.numbers(NUMBER\_CFG),  
 borderColor: Utils.CHART\_COLORS.red,  
 backgroundColor: Utils.CHART\_COLORS.red,  
 },  
 {  
 label: 'Dataset 2',  
 data: Utils.numbers(NUMBER\_CFG),  
 borderColor: Utils.CHART\_COLORS.blue,  
 backgroundColor: Utils.CHART\_COLORS.blue,  
 }  
 ]  
};

const actions = [ { name: 'Randomize', handler(chart) { chart.data.datasets.forEach(dataset => { dataset.data = Utils.numbers({count: chart.data.labels.length, min: 0, max: 100}); }); chart.update(); } }, { name: 'Add Dataset', handler(chart) { const data = chart.data; const dsColor = Utils.namedColor(chart.data.datasets.length); const newDataset = { label: 'Dataset ' + (data.datasets.length + 1), backgroundColor: dsColor, borderColor: dsColor, data: Utils.numbers({count: data.labels.length, min: 0, max: 100}), }; chart.data.datasets.push(newDataset); chart.update(); } }, { name: 'Add Data', handler(chart) { const data = chart.data; if (data.datasets.length > 0) { data.labels = Utils.months({count: data.labels.length + 1}); for (let index = 0; index < data.datasets.length; ++index) { data.datasets[index].data.push(Utils.rand(0, 100)); } chart.update(); } } }, { name: 'Remove Dataset', handler(chart) { chart.data.datasets.pop(); chart.update(); } }, { name: 'Remove Data', handler(chart) { chart.data.labels.splice(-1, 1); // remove the label first chart.data.datasets.forEach(dataset => { dataset.data.pop(); }); chart.update(); } } ];

const actions = [  
 {  
 name: 'Randomize',  
 handler(chart) {  
 chart.data.datasets.forEach(dataset => {  
 dataset.data = Utils.numbers({count: chart.data.labels.length, min: 0, max: 100});  
 });  
 chart.update();  
 }  
 },  
 {  
 name: 'Add Dataset',  
 handler(chart) {  
 const data = chart.data;  
 const dsColor = Utils.namedColor(chart.data.datasets.length);  
 const newDataset = {  
 label: 'Dataset ' + (data.datasets.length + 1),  
 backgroundColor: dsColor,  
 borderColor: dsColor,  
 data: Utils.numbers({count: data.labels.length, min: 0, max: 100}),  
 };  
 chart.data.datasets.push(newDataset);  
 chart.update();  
 }  
 },  
 {  
 name: 'Add Data',  
 handler(chart) {  
 const data = chart.data;  
 if (data.datasets.length > 0) {  
 data.labels = Utils.months({count: data.labels.length + 1});  
 for (let index = 0; index < data.datasets.length; ++index) {  
 data.datasets[index].data.push(Utils.rand(0, 100));  
 }  
 chart.update();  
 }  
 }  
 },  
 {  
 name: 'Remove Dataset',  
 handler(chart) {  
 chart.data.datasets.pop();  
 chart.update();  
 }  
 },  
 {  
 name: 'Remove Data',  
 handler(chart) {  
 chart.data.labels.splice(-1, 1); // remove the label first  
 chart.data.datasets.forEach(dataset => {  
 dataset.data.pop();  
 });  
 chart.update();  
 }  
 }  
];

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

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)
* [Axes scales](http://docs.google.com/docs/3.9.1/axes/)
  + [Common options to all axes (min,max)](http://docs.google.com/docs/3.9.1/axes/#common-options-to-all-axes)
* [Linear Axis](http://docs.google.com/docs/3.9.1/axes/cartesian/linear.html)
  + [Linear Axis specific tick options (stepSize)](http://docs.google.com/docs/3.9.1/axes/cartesian/linear.html#linear-axis-specific-tick-options)
  + [Step Size](http://docs.google.com/docs/3.9.1/axes/cartesian/linear.html#step-size)

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

←  [Linear Scale - Suggested Min-Max](http://docs.google.com/docs/3.9.1/samples/scales/linear-min-max-suggested.html)   [Log Scale](http://docs.google.com/docs/3.9.1/samples/scales/log.html)  →