 [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) Log Scale

config setup actions

const config = { type: 'line', data: data, options: { responsive: true, plugins: { title: { display: true, text: 'Chart.js Line Chart - Logarithmic' } }, scales: { x: { display: true, }, y: { display: true, type: 'logarithmic', } } }, };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 responsive: true,  
 plugins: {  
 title: {  
 display: true,  
 text: 'Chart.js Line Chart - Logarithmic'  
 }  
 },  
 scales: {  
 x: {  
 display: true,  
 },  
 y: {  
 display: true,  
 type: 'logarithmic',  
 }  
 }  
 },  
};

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: logNumbers(DATA\_COUNT), borderColor: Utils.CHART\_COLORS.red, backgroundColor: Utils.CHART\_COLORS.red, fill: false, }, ] };

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: logNumbers(DATA\_COUNT),  
 borderColor: Utils.CHART\_COLORS.red,  
 backgroundColor: Utils.CHART\_COLORS.red,  
 fill: false,  
 },  
 ]  
};

const logNumbers = (num) => { const data = []; for (let i = 0; i < num; ++i) { data.push(Math.ceil(Math.random() \* 10.0) \* Math.pow(10, Math.ceil(Math.random() \* 5))); } return data; }; const actions = [ { name: 'Randomize', handler(chart) { chart.data.datasets.forEach(dataset => { dataset.data = logNumbers(chart.data.labels.length); }); chart.update(); } }, ];

const logNumbers = (num) => {  
 const data = [];  
 for (let i = 0; i < num; ++i) {  
 data.push(Math.ceil(Math.random() \* 10.0) \* Math.pow(10, Math.ceil(Math.random() \* 5)));  
 }  
 return data;  
};  
const actions = [  
 {  
 name: 'Randomize',  
 handler(chart) {  
 chart.data.datasets.forEach(dataset => {  
 dataset.data = logNumbers(chart.data.labels.length);  
 });  
 chart.update();  
 }  
 },  
];

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

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Logarithmic Axis](http://docs.google.com/docs/3.9.1/axes/cartesian/logarithmic.html)
* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)

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

←  [Linear Scale - Step Size](http://docs.google.com/docs/3.9.1/samples/scales/linear-step-size.html)   [Stacked Linear / Category](http://docs.google.com/docs/3.9.1/samples/scales/stacked.html)  →