 [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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* [Awesome (opens new window)](https://github.com/chartjs/awesome)
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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
* Scale Options
  + [Center Positioning](http://docs.google.com/docs/3.9.1/samples/scale-options/center.html)
  + [Grid Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/grid.html)
  + [Tick Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/ticks.html)
  + [Title Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/titles.html)
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
* Animations
* Advanced
* Plugins
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Tick Configuration

This sample shows how to use different tick features to control how tick labels are shown on the X axis. These features include:

* Multi-line labels
* Filtering labels
* Changing the tick color
* Changing the tick alignment for the X axis

config setup actions

const config = { type: 'line', data: data, options: { responsive: true, plugins: { title: { display: true, text: 'Chart with Tick Configuration' } }, scales: { x: { ticks: { // For a category axis, the val is the index so the lookup via getLabelForValue is needed callback: function(val, index) { // Hide every 2nd tick label return index % 2 === 0 ? this.getLabelForValue(val) : ''; }, color: 'red', } } } }, };

const config = {  
 type: 'line',  
 data: data,  
 options: {  
 responsive: true,  
 plugins: {  
 title: {  
 display: true,  
 text: 'Chart with Tick Configuration'  
 }  
 },  
 scales: {  
 x: {  
 ticks: {  
 // For a category axis, the val is the index so the lookup via getLabelForValue is needed  
 callback: function(val, index) {  
 // Hide every 2nd tick label  
 return index % 2 === 0 ? this.getLabelForValue(val) : '';  
 },  
 color: 'red',  
 }  
 }  
 }  
 },  
};

const DATA\_COUNT = 12; const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100}; const data = { labels: [['June', '2015'], 'July', 'August', 'September', 'October', 'November', 'December', ['January', '2016'], 'February', 'March', 'April', 'May'], datasets: [ { label: 'Dataset 1', data: Utils.numbers(NUMBER\_CFG), fill: false, borderColor: Utils.CHART\_COLORS.red, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5), }, { label: 'Dataset 2', data: Utils.numbers(NUMBER\_CFG), fill: false, borderColor: Utils.CHART\_COLORS.blue, backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5), } ] };

const DATA\_COUNT = 12;  
const NUMBER\_CFG = {count: DATA\_COUNT, min: 0, max: 100};  
const data = {  
 labels: [['June', '2015'], 'July', 'August', 'September', 'October', 'November', 'December', ['January', '2016'], 'February', 'March', 'April', 'May'],  
 datasets: [  
 {  
 label: 'Dataset 1',  
 data: Utils.numbers(NUMBER\_CFG),  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.red,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.red, 0.5),  
 },  
 {  
 label: 'Dataset 2',  
 data: Utils.numbers(NUMBER\_CFG),  
 fill: false,  
 borderColor: Utils.CHART\_COLORS.blue,  
 backgroundColor: Utils.transparentize(Utils.CHART\_COLORS.blue, 0.5),  
 }  
 ]  
};

const actions = [ { name: 'Alignment: start', handler(chart) { chart.options.scales.x.ticks.align = 'start'; chart.update(); } }, { name: 'Alignment: center (default)', handler(chart) { chart.options.scales.x.ticks.align = 'center'; chart.update(); } }, { name: 'Alignment: end', handler(chart) { chart.options.scales.x.ticks.align = 'end'; chart.update(); } }, ];

const actions = [  
 {  
 name: 'Alignment: start',  
 handler(chart) {  
 chart.options.scales.x.ticks.align = 'start';  
 chart.update();  
 }  
 },  
 {  
 name: 'Alignment: center (default)',  
 handler(chart) {  
 chart.options.scales.x.ticks.align = 'center';  
 chart.update();  
 }  
 },  
 {  
 name: 'Alignment: end',  
 handler(chart) {  
 chart.options.scales.x.ticks.align = 'end';  
 chart.update();  
 }  
 },  
];

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

* [Line](http://docs.google.com/docs/3.9.1/charts/line.html)
* [Options](http://docs.google.com/docs/3.9.1/general/options.html)
  + [Scriptable Options](http://docs.google.com/docs/3.9.1/general/options.html#scriptable-options)
    - [Tick Context](http://docs.google.com/docs/3.9.1/general/options.html#tick)
* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)
* [Axes Styling](http://docs.google.com/docs/3.9.1/axes/styling.html)
  + [Tick Configuration](http://docs.google.com/docs/3.9.1/axes/styling.html#tick-configuration)

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

←  [Grid Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/grid.html)   [Title Configuration](http://docs.google.com/docs/3.9.1/samples/scale-options/titles.html)  →