 [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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* [Information](http://docs.google.com/docs/3.9.1/samples/information.html)
* Bar Charts
* Line Charts
* Other charts
* Area charts
* Scales
* Scale Options
* Legend
* Title
* Subtitle
* Tooltip
* Scriptable Options
* Animations
* Advanced
* Plugins
  + [Chart Area Border](http://docs.google.com/docs/3.9.1/samples/plugins/chart-area-border.html)
  + [Doughnut Empty State](http://docs.google.com/docs/3.9.1/samples/plugins/doughnut-empty-state.html)
  + [Quadrants](http://docs.google.com/docs/3.9.1/samples/plugins/quadrants.html)
* [Utils](http://docs.google.com/docs/3.9.1/samples/utils.html)

[**#**](#gjdgxs) Doughnut Empty State

config plugin data

const config = { type: 'doughnut', data: data, options: { plugins: { emptyDoughnut: { color: 'rgba(255, 128, 0, 0.5)', width: 2, radiusDecrease: 20 } } }, plugins: [plugin] };

const config = {  
 type: 'doughnut',  
 data: data,  
 options: {  
 plugins: {  
 emptyDoughnut: {  
 color: 'rgba(255, 128, 0, 0.5)',  
 width: 2,  
 radiusDecrease: 20  
 }  
 }  
 },  
 plugins: [plugin]  
};

const plugin = { id: 'emptyDoughnut', afterDraw(chart, args, options) { const {datasets} = chart.data; const {color, width, radiusDecrease} = options; let hasData = false; for (let i = 0; i < datasets.length; i += 1) { const dataset = datasets[i]; hasData |= dataset.data.length > 0; } if (!hasData) { const {chartArea: {left, top, right, bottom}, ctx} = chart; const centerX = (left + right) / 2; const centerY = (top + bottom) / 2; const r = Math.min(right - left, bottom - top) / 2; ctx.beginPath(); ctx.lineWidth = width || 2; ctx.strokeStyle = color || 'rgba(255, 128, 0, 0.5)'; ctx.arc(centerX, centerY, (r - radiusDecrease || 0), 0, 2 \* Math.PI); ctx.stroke(); } } };

const plugin = {  
 id: 'emptyDoughnut',  
 afterDraw(chart, args, options) {  
 const {datasets} = chart.data;  
 const {color, width, radiusDecrease} = options;  
 let hasData = false;  
 for (let i = 0; i < datasets.length; i += 1) {  
 const dataset = datasets[i];  
 hasData |= dataset.data.length > 0;  
 }  
 if (!hasData) {  
 const {chartArea: {left, top, right, bottom}, ctx} = chart;  
 const centerX = (left + right) / 2;  
 const centerY = (top + bottom) / 2;  
 const r = Math.min(right - left, bottom - top) / 2;  
 ctx.beginPath();  
 ctx.lineWidth = width || 2;  
 ctx.strokeStyle = color || 'rgba(255, 128, 0, 0.5)';  
 ctx.arc(centerX, centerY, (r - radiusDecrease || 0), 0, 2 \* Math.PI);  
 ctx.stroke();  
 }  
 }  
};

const data = { labels: [], datasets: [ { label: 'Dataset 1', data: [] } ] };

const data = {  
 labels: [],  
 datasets: [  
 {  
 label: 'Dataset 1',  
 data: []  
 }  
 ]  
};

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

* [Data structures (labels)](http://docs.google.com/docs/3.9.1/general/data-structures.html)
* [Plugins](http://docs.google.com/docs/3.9.1/developers/plugins.html)
* [Doughnut and Pie Charts](http://docs.google.com/docs/3.9.1/charts/doughnut.html)

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

←  [Chart Area Border](http://docs.google.com/docs/3.9.1/samples/plugins/chart-area-border.html)   [Quadrants](http://docs.google.com/docs/3.9.1/samples/plugins/quadrants.html)  →