 [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)

[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)

* API
  + [Exports](http://docs.google.com/docs/3.9.1/api/)
  + Enumerations
  + Classes
  + Interfaces
    - [ActiveDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveDataPoint.html)
    - [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)
    - [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)
    - [ArcBorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/ArcBorderRadius.html)
    - [ArcElement](http://docs.google.com/docs/3.9.1/api/interfaces/ArcElement.html)
    - [ArcHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcHoverOptions.html)
    - [ArcOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcOptions.html)
    - [ArcProps](http://docs.google.com/docs/3.9.1/api/interfaces/ArcProps.html)
    - [BarControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerChartOptions.html)
    - [BarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerDatasetOptions.html)
    - [BarElement](http://docs.google.com/docs/3.9.1/api/interfaces/BarElement.html)
    - [BarHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarHoverOptions.html)
    - [BarOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarOptions.html)
    - [BarProps](http://docs.google.com/docs/3.9.1/api/interfaces/BarProps.html)
    - [BorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/BorderRadius.html)
    - [BubbleControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleControllerDatasetOptions.html)
    - [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html)
    - [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html)
    - [CartesianScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleTypeRegistry.html)
    - [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)
    - [ChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartComponent.html)
    - [ChartConfiguration](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfiguration.html)
    - [ChartConfigurationCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfigurationCustomTypesPerDataset.html)
    - [ChartData](http://docs.google.com/docs/3.9.1/api/interfaces/ChartData.html)
    - [ChartDataCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDataCustomTypesPerDataset.html)
    - [ChartDatasetProperties](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetProperties.html)
    - [ChartDatasetPropertiesCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetPropertiesCustomTypesPerDataset.html)
    - [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)
    - [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)
    - [CommonElementOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonElementOptions.html)
    - [CommonHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonHoverOptions.html)
    - [ComplexFillTarget](http://docs.google.com/docs/3.9.1/api/interfaces/ComplexFillTarget.html)
    - [ControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ControllerDatasetOptions.html)
    - [CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)
    - [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)
    - [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)
    - [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)
    - [DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)
    - [Defaults](http://docs.google.com/docs/3.9.1/api/interfaces/Defaults.html)
    - [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)
    - [DoughnutController](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutController.html)
    - [DoughnutControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerChartOptions.html)
    - [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html)
    - [DoughnutMetaExtensions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutMetaExtensions.html)
    - [Element](http://docs.google.com/docs/3.9.1/api/interfaces/Element.html)
    - [ElementOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/ElementOptionsByType.html)
    - [ExtendedPlugin](http://docs.google.com/docs/3.9.1/api/interfaces/ExtendedPlugin.html)
    - [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html)
    - [FillerOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerOptions.html)
    - [FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)
    - [GridLineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/GridLineOptions.html)
    - [InteractionItem](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionItem.html)
    - [InteractionModeMap](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionModeMap.html)
    - [InteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionOptions.html)
    - [LayoutItem](http://docs.google.com/docs/3.9.1/api/interfaces/LayoutItem.html)
    - [LegendElement](http://docs.google.com/docs/3.9.1/api/interfaces/LegendElement.html)
    - [LegendItem](http://docs.google.com/docs/3.9.1/api/interfaces/LegendItem.html)
    - [LegendOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LegendOptions.html)
    - [LineControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerChartOptions.html)
    - [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html)
    - [LineElement](http://docs.google.com/docs/3.9.1/api/interfaces/LineElement.html)
    - [LineHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineHoverOptions.html)
    - [LineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineOptions.html)
    - [LineProps](http://docs.google.com/docs/3.9.1/api/interfaces/LineProps.html)
    - [ParsingOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ParsingOptions.html)
    - [Plugin](http://docs.google.com/docs/3.9.1/api/interfaces/Plugin.html)
    - [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)
    - [PluginOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/PluginOptionsByType.html)
    - [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)
    - [PointElement](http://docs.google.com/docs/3.9.1/api/interfaces/PointElement.html)
    - [PointHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointHoverOptions.html)
    - [PointOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointOptions.html)
    - [PointPrefixedHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedHoverOptions.html)
    - [PointPrefixedOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedOptions.html)
    - [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html)
    - [PolarAreaController](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaController.html)
    - [PolarAreaControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerChartOptions.html)
    - [PolarAreaControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerDatasetOptions.html)
    - [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html)
    - [RadialLinearScale](http://docs.google.com/docs/3.9.1/api/interfaces/RadialLinearScale.html)
    - [RadialScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/RadialScaleTypeRegistry.html)
    - [Registry](http://docs.google.com/docs/3.9.1/api/interfaces/Registry.html)
    - [ScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ScaleTypeRegistry.html)
    - [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html)
    - [ScriptableCartesianScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableCartesianScaleContext.html)
    - [ScriptableChartContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableChartContext.html)
    - [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)
    - [ScriptableLineSegmentContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableLineSegmentContext.html)
    - [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)
    - [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)
    - [ScriptableTooltipContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableTooltipContext.html)
    - [Segment](http://docs.google.com/docs/3.9.1/api/interfaces/Segment.html)
    - [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)
    - [TickOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TickOptions.html)
    - [TimeScale](http://docs.google.com/docs/3.9.1/api/interfaces/TimeScale.html)
    - [TitleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TitleOptions.html)
    - [Tooltip](http://docs.google.com/docs/3.9.1/api/interfaces/Tooltip.html)
    - [TooltipCallbacks](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipCallbacks.html)
    - [TooltipItem](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipItem.html)
    - [TooltipLabelStyle](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipLabelStyle.html)
    - [TooltipModel](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipModel.html)
    - [TooltipOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipOptions.html)
    - [TooltipPosition](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPosition.html)
    - [TooltipPositionerMap](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPositionerMap.html)
    - [TypedRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/TypedRegistry.html)
    - [VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html)

[**#**](#gjdgxs) Interface: DoughnutController

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

* [DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html)  
  ↳ **DoughnutController**

## [**#**](#1fob9te) Properties

### [**#**](#3znysh7) \_cachedMeta

• Readonly **\_cachedMeta**: [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#2et92p0) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[\_cachedMeta](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#_cachedmeta)

#### [**#**](#tyjcwt) Defined in

[index.esm.d.ts:583 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L583)

### [**#**](#3dy6vkm) chart

• Readonly **chart**: [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown>

#### [**#**](#1t3h5sf) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[chart](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#chart)

#### [**#**](#4d34og8) Defined in

[index.esm.d.ts:581 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L581)

### [**#**](#2s8eyo1) enableOptionSharing

• **enableOptionSharing**: boolean

#### [**#**](#17dp8vu) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[enableOptionSharing](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#enableoptionsharing)

#### [**#**](#3rdcrjn) Defined in

[index.esm.d.ts:584 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L584)

### [**#**](#26in1rg) index

• Readonly **index**: number

#### [**#**](#lnxbz9) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[index](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#index)

#### [**#**](#35nkun2) Defined in

[index.esm.d.ts:582 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L582)

### [**#**](#1ksv4uv) innerRadius

• Readonly **innerRadius**: number

#### [**#**](#44sinio) Defined in

[index.esm.d.ts:334 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L334)

### [**#**](#2jxsxqh) offsetX

• Readonly **offsetX**: number

#### [**#**](#z337ya) Defined in

[index.esm.d.ts:336 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L336)

### [**#**](#3j2qqm3) offsetY

• Readonly **offsetY**: number

#### [**#**](#1y810tw) Defined in

[index.esm.d.ts:337 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L337)

### [**#**](#4i7ojhp) outerRadius

• Readonly **outerRadius**: number

#### [**#**](#2xcytpi) Defined in

[index.esm.d.ts:335 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L335)

### [**#**](#1ci93xb) supportsDecimation

• **supportsDecimation**: boolean

#### [**#**](#3whwml4) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[supportsDecimation](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#supportsdecimation)

#### [**#**](#2bn6wsx) Defined in

[index.esm.d.ts:588 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L588)

## [**#**](#qsh70q) Methods

### [**#**](#3as4poj) addElements

▸ **addElements**(): void

#### [**#**](#1pxezwc) Returns

void

#### [**#**](#49x2ik5) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[addElements](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#addelements)

#### [**#**](#2p2csry) Defined in

[index.esm.d.ts:604 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L604)

### [**#**](#147n2zr) applyStack

▸ Protected **applyStack**(scale, parsed): number

#### [**#**](#3o7alnk) Parameters

| Name | Type |
| --- | --- |
| scale | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |
| parsed | unknown[] |

#### [**#**](#23ckvvd) Returns

number

#### [**#**](#ihv636) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[applyStack](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#applystack)

#### [**#**](#32hioqz) Defined in

[index.esm.d.ts:640 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L640)

### [**#**](#1hmsyys) buildOrUpdateElements

▸ **buildOrUpdateElements**(resetNewElements?): void

#### [**#**](#41mghml) Parameters

| Name | Type |
| --- | --- |
| resetNewElements? | boolean |

#### [**#**](#2grqrue) Returns

void

#### [**#**](#vx1227) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[buildOrUpdateElements](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#buildorupdateelements)

#### [**#**](#3fwokq0) Defined in

[index.esm.d.ts:605 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L605)

### [**#**](#1v1yuxt) calculateCircumference

▸ **calculateCircumference**(value): number

#### [**#**](#4f1mdlm) Parameters

| Name | Type |
| --- | --- |
| value | number |

#### [**#**](#2u6wntf) Returns

number

#### [**#**](#19c6y18) Defined in

[index.esm.d.ts:340 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L340)

### [**#**](#3tbugp1) calculateTotal

▸ **calculateTotal**(): number

#### [**#**](#28h4qwu) Returns

number

#### [**#**](#nmf14n) Defined in

[index.esm.d.ts:339 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L339)

### [**#**](#37m2jsg) configure

▸ **configure**(): void

#### [**#**](#1mrcu09) Returns

void

#### [**#**](#46r0co2) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[configure](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#configure)

#### [**#**](#2lwamvv) Defined in

[index.esm.d.ts:602 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L602)

### [**#**](#111kx3o) draw

▸ **draw**(): void

#### [**#**](#3l18frh) Returns

void

#### [**#**](#206ipza) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[draw](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#draw)

#### [**#**](#4k668n3) Defined in

[index.esm.d.ts:597 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L597)

### [**#**](#2zbgiuw) getAllParsedValues

▸ **getAllParsedValues**(scale): number[]

#### [**#**](#1egqt2p) Parameters

| Name | Type |
| --- | --- |
| scale | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |

#### [**#**](#3ygebqi) Returns

number[]

#### [**#**](#2dlolyb) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getAllParsedValues](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getallparsedvalues)

#### [**#**](#sqyw64) Defined in

[index.esm.d.ts:591 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L591)

### [**#**](#3cqmetx) getDataset

▸ **getDataset**(): [ChartDataset](http://docs.google.com/docs/3.9.1/api/#chartdataset)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[]>

#### [**#**](#1rvwp1q) Returns

[ChartDataset](http://docs.google.com/docs/3.9.1/api/#chartdataset)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[]>

#### [**#**](#4bvk7pj) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getDataset](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getdataset)

#### [**#**](#2r0uhxc) Defined in

[index.esm.d.ts:599 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L599)

### [**#**](#1664s55) getLabelAndValue

▸ Protected **getLabelAndValue**(index): Object

#### [**#**](#3q5sasy) Parameters

| Name | Type |
| --- | --- |
| index | number |

#### [**#**](#25b2l0r) Returns

Object

| Name | Type |
| --- | --- |
| label | string |
| value | string |

#### [**#**](#kgcv8k) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getLabelAndValue](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getlabelandvalue)

#### [**#**](#34g0dwd) Defined in

[index.esm.d.ts:592 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L592)

### [**#**](#1jlao46) getMaxOverflow

▸ Protected **getMaxOverflow**(): number | boolean

#### [**#**](#43ky6rz) Returns

number | boolean

#### [**#**](#2iq8gzs) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getMaxOverflow](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getmaxoverflow)

#### [**#**](#xvir7l) Defined in

[index.esm.d.ts:596 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L596)

### [**#**](#3hv69ve) getMeta

▸ **getMeta**(): [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#1x0gk37) Returns

[ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>

#### [**#**](#4h042r0) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getMeta](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getmeta)

#### [**#**](#2w5ecyt) Defined in

[index.esm.d.ts:600 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L600)

### [**#**](#1baon6m) getMinMax

▸ Protected **getMinMax**(scale, canStack?): Object

#### [**#**](#3vac5uf) Parameters

| Name | Type |
| --- | --- |
| scale | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |
| canStack? | boolean |

#### [**#**](#2afmg28) Returns

Object

| Name | Type |
| --- | --- |
| max | number |
| min | number |

#### [**#**](#pkwqa1) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getMinMax](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getminmax)

#### [**#**](#39kk8xu) Defined in

[index.esm.d.ts:647 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L647)

### [**#**](#1opuj5n) getParsed

▸ Protected **getParsed**(index): number | BarParsedData | CartesianParsedData | BubbleParsedData | RadialParsedData

#### [**#**](#48pi1tg) Parameters

| Name | Type |
| --- | --- |
| index | number |

#### [**#**](#2nusc19) Returns

number | BarParsedData | CartesianParsedData | BubbleParsedData | RadialParsedData

#### [**#**](#1302m92) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getParsed](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getparsed)

#### [**#**](#3mzq4wv) Defined in

[index.esm.d.ts:639 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L639)

### [**#**](#2250f4o) getScaleForId

▸ **getScaleForId**(scaleID): [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)>

#### [**#**](#haapch) Parameters

| Name | Type |
| --- | --- |
| scaleID | string |

#### [**#**](#319y80a) Returns

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)>

#### [**#**](#1gf8i83) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getScaleForId](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getscaleforid)

#### [**#**](#40ew0vw) Defined in

[index.esm.d.ts:601 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L601)

### [**#**](#2fk6b3p) getSharedOptions

▸ Protected **getSharedOptions**(options): AnyObject

Utility for checking if the options are shared and should be animated separately.

#### [**#**](#upglbi) Parameters

| Name | Type |
| --- | --- |
| options | AnyObject |

#### [**#**](#3ep43zb) Returns

AnyObject

#### [**#**](#1tuee74) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getSharedOptions](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getsharedoptions)

#### [**#**](#4du1wux) Defined in

[index.esm.d.ts:614 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L614)

### [**#**](#2szc72q) getStyle

▸ **getStyle**(index, active): AnyObject

#### [**#**](#184mhaj) Parameters

| Name | Type |
| --- | --- |
| index | number |
| active | boolean |

#### [**#**](#3s49zyc) Returns

AnyObject

#### [**#**](#279ka65) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[getStyle](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#getstyle)

#### [**#**](#meukdy) Defined in

[index.esm.d.ts:607 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L607)

### [**#**](#36ei31r) includeOptions

▸ Protected **includeOptions**(mode, sharedOptions): boolean

Utility for determining if options should be included in the updated properties

#### [**#**](#1ljsd9k) Parameters

| Name | Type |
| --- | --- |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |
| sharedOptions | AnyObject |

#### [**#**](#45jfvxd) Returns

boolean

#### [**#**](#2koq656) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[includeOptions](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#includeoptions)

#### [**#**](#zu0gcz) Defined in

[index.esm.d.ts:619 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L619)

### [**#**](#3jtnz0s) initialize

▸ **initialize**(): void

#### [**#**](#1yyy98l) Returns

void

#### [**#**](#4iylrwe) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[initialize](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#initialize)

#### [**#**](#2y3w247) Defined in

[index.esm.d.ts:603 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L603)

### [**#**](#1d96cc0) linkScales

▸ **linkScales**(): void

#### [**#**](#3x8tuzt) Returns

void

#### [**#**](#2ce457m) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[linkScales](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#linkscales)

#### [**#**](#rjefff) Defined in

[index.esm.d.ts:590 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L590)

### [**#**](#3bj1y38) parse

▸ **parse**(start, count): void

#### [**#**](#1qoc8b1) Parameters

| Name | Type |
| --- | --- |
| start | number |
| count | number |

#### [**#**](#4anzqyu) Returns

void

#### [**#**](#2pta16n) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[parse](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#parse)

#### [**#**](#14ykbeg) Defined in

[index.esm.d.ts:635 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L635)

### [**#**](#3oy7u29) parseArrayData

▸ Protected **parseArrayData**(meta, data, start, count): AnyObject[]

#### [**#**](#243i4a2) Parameters

| Name | Type |
| --- | --- |
| meta | [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> |
| data | AnyObject[] |
| start | number |
| count | number |

#### [**#**](#j8sehv) Returns

AnyObject[]

#### [**#**](#338fx5o) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[parseArrayData](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#parsearraydata)

#### [**#**](#1idq7dh) Defined in

[index.esm.d.ts:637 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L637)

### [**#**](#42ddq1a) parseObjectData

▸ Protected **parseObjectData**(meta, data, start, count): AnyObject[]

#### [**#**](#2hio093) Parameters

| Name | Type |
| --- | --- |
| meta | [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> |
| data | AnyObject[] |
| start | number |
| count | number |

#### [**#**](#wnyagw) Returns

AnyObject[]

#### [**#**](#3gnlt4p) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[parseObjectData](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#parseobjectdata)

#### [**#**](#1vsw3ci) Defined in

[index.esm.d.ts:638 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L638)

### [**#**](#4fsjm0b) parsePrimitiveData

▸ Protected **parsePrimitiveData**(meta, data, start, count): AnyObject[]

#### [**#**](#2uxtw84) Parameters

| Name | Type |
| --- | --- |
| meta | [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)> |
| data | AnyObject[] |
| start | number |
| count | number |

#### [**#**](#1a346fx) Returns

AnyObject[]

#### [**#**](#3u2rp3q) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[parsePrimitiveData](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#parseprimitivedata)

#### [**#**](#2981zbj) Defined in

[index.esm.d.ts:636 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L636)

### [**#**](#odc9jc) removeHoverStyle

▸ **removeHoverStyle**(element, datasetIndex, index): void

#### [**#**](#38czs75) Parameters

| Name | Type |
| --- | --- |
| element | [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject> |
| datasetIndex | number |
| index | number |

#### [**#**](#1nia2ey) Returns

void

#### [**#**](#47hxl2r) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[removeHoverStyle](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#removehoverstyle)

#### [**#**](#2mn7vak) Defined in

[index.esm.d.ts:632 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L632)

### [**#**](#11si5id) reset

▸ **reset**(): void

#### [**#**](#3ls5o66) Returns

void

#### [**#**](#20xfydz) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[reset](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#reset)

#### [**#**](#4kx3h1s) Defined in

[index.esm.d.ts:598 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L598)

### [**#**](#302dr9l) resolveDataElementOptions

▸ Protected **resolveDataElementOptions**(index, mode): AnyObject

#### [**#**](#1f7o1he) Parameters

| Name | Type |
| --- | --- |
| index | number |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |

#### [**#**](#3z7bk57) Returns

AnyObject

#### [**#**](#2eclud0) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[resolveDataElementOptions](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#resolvedataelementoptions)

#### [**#**](#thw4kt) Defined in

[index.esm.d.ts:609 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L609)

### [**#**](#3dhjn8m) resolveDatasetElementOptions

▸ Protected **resolveDatasetElementOptions**(mode): AnyObject

#### [**#**](#1smtxgf) Parameters

| Name | Type |
| --- | --- |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |

#### [**#**](#4cmhg48) Returns

AnyObject

#### [**#**](#2rrrqc1) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[resolveDatasetElementOptions](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#resolvedatasetelementoptions)

#### [**#**](#16x20ju) Defined in

[index.esm.d.ts:608 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L608)

### [**#**](#3qwpj7n) setHoverStyle

▸ **setHoverStyle**(element, datasetIndex, index): void

#### [**#**](#261ztfg) Parameters

| Name | Type |
| --- | --- |
| element | [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject> |
| datasetIndex | number |
| index | number |

#### [**#**](#l7a3n9) Returns

void

#### [**#**](#356xmb2) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[setHoverStyle](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#sethoverstyle)

#### [**#**](#1kc7wiv) Defined in

[index.esm.d.ts:633 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L633)

### [**#**](#44bvf6o) update

▸ **update**(mode): void

#### [**#**](#2jh5peh) Parameters

| Name | Type |
| --- | --- |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |

#### [**#**](#ymfzma) Returns

void

#### [**#**](#3im3ia3) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[update](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#update)

#### [**#**](#1xrdshw) Defined in

[index.esm.d.ts:594 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L594)

### [**#**](#4hr1b5p) updateElement

▸ Protected **updateElement**(element, index, properties, mode): void

Utility for updating an element with new properties, using animations when appropriate.

#### [**#**](#2wwbldi) Parameters

| Name | Type |
| --- | --- |
| element | [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject> |
| index | number |
| properties | AnyObject |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |

#### [**#**](#1c1lvlb) Returns

void

#### [**#**](#3w19e94) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[updateElement](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#updateelement)

#### [**#**](#2b6jogx) Defined in

[index.esm.d.ts:625 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L625)

### [**#**](#qbtyoq) updateElements

▸ **updateElements**(elements, start, count, mode): void

#### [**#**](#3abhhcj) Parameters

| Name | Type |
| --- | --- |
| elements | [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>[] |
| start | number |
| count | number |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |

#### [**#**](#1pgrrkc) Returns

void

#### [**#**](#49gfa85) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[updateElements](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#updateelements)

#### [**#**](#2olpkfy) Defined in

[index.esm.d.ts:593 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L593)

### [**#**](#13qzunr) updateIndex

▸ **updateIndex**(datasetIndex): void

#### [**#**](#3nqndbk) Parameters

| Name | Type |
| --- | --- |
| datasetIndex | number |

#### [**#**](#22vxnjd) Returns

void

#### [**#**](#i17xr6) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[updateIndex](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#updateindex)

#### [**#**](#320vgez) Defined in

[index.esm.d.ts:595 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L595)

### [**#**](#1h65qms) updateRangeFromParsed

▸ Protected **updateRangeFromParsed**(range, scale, parsed, stack): void

#### [**#**](#415t9al) Parameters

| Name | Type |
| --- | --- |
| range | Object |
| range.max | number |
| range.min | number |
| scale | [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<[CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)> |
| parsed | unknown[] |
| stack | string | boolean |

#### [**#**](#2gb3jie) Returns

void

#### [**#**](#vgdtq7) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[updateRangeFromParsed](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#updaterangefromparsed)

#### [**#**](#3fg1ce0) Defined in

[index.esm.d.ts:641 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L641)

### [**#**](#1ulbmlt) updateSharedOptions

▸ Protected **updateSharedOptions**(sharedOptions, mode, newOptions): void

Utility to animate the shared options, that are potentially affecting multiple elements.

#### [**#**](#4ekz59m) Parameters

| Name | Type |
| --- | --- |
| sharedOptions | AnyObject |
| mode | "resize" | "reset" | "none" | "hide" | "show" | "normal" | "active" |
| newOptions | AnyObject |

#### [**#**](#2tq9fhf) Returns

void

#### [**#**](#18vjpp8) Inherited from

[DatasetController](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html).[updateSharedOptions](http://docs.google.com/docs/3.9.1/api/classes/DatasetController.html#updatesharedoptions)

#### [**#**](#3sv78d1) Defined in

[index.esm.d.ts:631 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L631)

←  [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)   [DoughnutControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerChartOptions.html)  →