`<Recharts />`   Guide   API   Examples   Blog   Storybook (WIP)   En | 中文

Charts

AreaChart
BarChart
LineChart
ComposedChart
PieChart
RadarChart
RadialBarChart
ScatterChart
FunnelChart
Treemap
SankeyChart

General Components

ResponsiveContainer
Legend
Tooltip
Cell
Text
Label
LabelList
Customized

Cartesian Components

Area
Bar
Line
Scatter
XAxis
YAxis
ZAxis
Brush
CartesianAxis
CartesianGrid
ReferenceLine
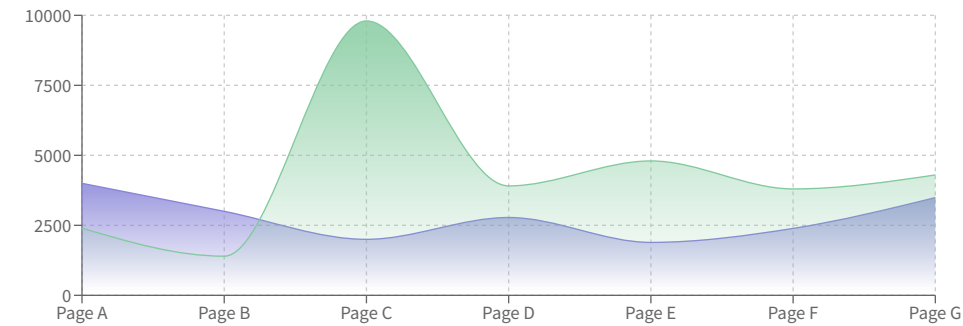ReferenceDot
ReferenceArea
ErrorBar
Funnel

Polar Components

Pie
Radar
RadialBar
PolarAngleAxis
PolarGrid
PolarRadiusAxis

Shapes

Cross
Curve
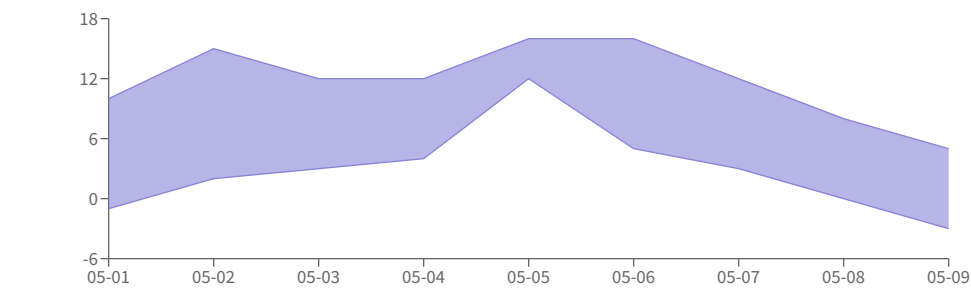Dot
Polygon
Rectangle
Sector

AreaChart

All svg elements can be added into the AreaChart component, such as defs, linearGradient, etc.

Show data

```
<AreaChart width={730} height={250} data={data}
  margin={{ top: 10, right: 30, left: 0, bottom: 0 }}>
  <defs>
    <linearGradient id="colorUv" x1="0" y1="0" x2="0" y2="1">
      <stop offset="5%" stopColor="#8884d8" stopOpacity={0.8}/>
      <stop offset="95%" stopColor="#8884d8" stopOpacity={0}/>
    </linearGradient>
    <linearGradient id="colorPv" x1="0" y1="0" x2="0" y2="1">
      <stop offset="5%" stopColor="#82ca9d" stopOpacity={0.8}/>
      <stop offset="95%" stopColor="#82ca9d" stopOpacity={0}/>
    </linearGradient>
  </defs>
  <XAxis dataKey="name" />
  <YAxis />
  <CartesianGrid strokeDasharray="3 3" />
  <Tooltip />
  <Area type="monotone" dataKey="uv" stroke="#8884d8" fillOpacity={1} fill="url(#colorUv)" />
  <Area type="monotone" dataKey="pv" stroke="#82ca9d" fillOpacity={1} fill="url(#colorPv)" />
</AreaChart>
```


Show data

```
<AreaChart
  width={730}
  height={250}
  data={rangeData}
  margin={{
    top: 20, right: 20, bottom: 20, left: 20,
  }}
>
  <XAxis dataKey="day" />
  <YAxis />
  <Area dataKey="temperature" stroke="#8884d8" fill="#8884d8" />
  <Tooltip />
</AreaChart>
```

Parent Components

`<ResponsiveContainer />`

Child Components

`<XAxis />`   `<YAxis />`   `<ReferenceArea />`   `<ReferenceDot />`   `<ReferenceLine />`   `<Br`

`<CartesianGrid />`   `<Legend />`   `<Tooltip />`   `<Area />`   `<Customized />`

validate svg elements...

Properties

layout   'horizontal' | 'vertical'

The layout of area in the chart.
DEFAULT: 'horizontal'

syncId   String   *optional*

If any two categorical charts(LineChart, AreaChart, BarChart, ComposedChart) have the same syncId, these two charts can sync the positic
and the startIndex, endIndex of Brush.
Examples:
Two synchronized AreaChart

syncMethod   'index' | 'value' | function   *optional*

When syncId is provided, allows customisation of how the charts will synchronize tooltips and brushes. Using 'index' (default setting), othe
reuse current datum's index within the data array. In cases where data does not have the same length, this might yield unexpected results.
use 'value' which will try to match other charts values, or a fully custom function which will receive tick, data as argument and should retur
DEFAULT: 'index'

width   Number

The width of chart container.

height   Number

The height of chart container.

data   Array

The source data, in which each element is an object.
FORMAT:

```
[{ name: 'a', value: 12 }]
[{ name: 'a', value: [5, 12] }]
```

margin   Object

The sizes of whitespace around the container.
DEFAULT: { top: 5, right: 5, bottom: 5, left: 5 }
FORMAT:

```
{ top: 5, right: 5, bottom: 5, left: 5 }
```

stackOffset   'expand' | 'none' | 'wiggle' | 'silhouette'

The type of offset function used to generate the lower and upper values in the series array. The four types are built-in offsets in d3-shape.
DEFAULT: 'none'
Examples:
An AreaChart with stackOffset specified to 'expand'
D3 stackOffset

baseValue   Number | 'dataMin' | 'dataMax' | 'auto'

The base value of area.

DEFAULT: auto

---

onClick   Function   *optional*

The customized event handler of click in this chart.

---

onMouseEnter   Function   *optional*

The customized event handler of mouseenter in this chart.

---

onMouseMove   Function   *optional*

The customized event handler of mousemove in this chart.

---

onMouseLeave   Function   *optional*

The customized event handler of mouseleave in this chart.

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