Marks

Plots are composed of visual marks representing your data

Creating marks

Select the type of mark to draw, then pass in your data and set the visual channels:
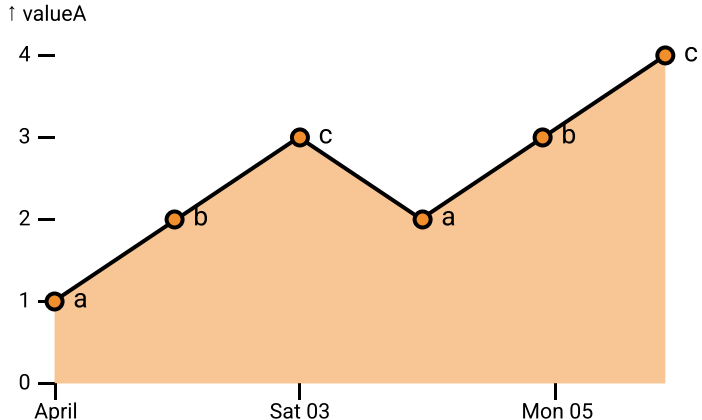
Data:

name	date	valueA	valueB	src
a	2021-04-01	1	4	a.png
b	2021-04-02	2	1	b.png
c	2021-04-03	3	3	c.png
a	2021-04-04	2	0	a.png
b	2021-04-05	3	2	b.png
c	2021-04-06	4	5	c.png

Code:

```
Plot.plot({
  marks: [
    Plot.areaY(data, { x: "date", y: "valueA" }),
    Plot.line(data, { x: "date", y: "valueA" }),
    Plot.dot(data, { x: "date", y: "valueA" }),
    Plot.text(data, { x: "date", y: "valueA",
      text: "name", dx: 10 })
  ]
})
```

Output:

Types of marks

Represent your data using different geometric symbols:

line


```
Plot.line(data, { x: "date",
y: "valueA", stroke: "name" })
```

dot


```
Plot.dot(data, { x: "name",
y: "valueA", r: "valueB" })
```

areaX


```
Plot.areaX(data, { x: "valueA",
y: "date", fill: "lightblue" })
```

areaY


```
Plot.areaY(data, { x: "date",
y: "valueA" })
```

barX


```
Plot.barX(data, { x: "valueA",
y: "name" })
```

barY


```
Plot.barY(data, { x: "valueA",
y: "name" })
```

rectX


```
Plot.rectX(data, { x: "valueA",
y: "date", fill: "date" })
```

rectY


```
Plot.rectY(data, { x: "date",
y: "valueA" })
```

ruleX


```
Plot.ruleX(data, { x: "valueA",
strokeWidth: "valueA" })
```

ruleY


```
Plot.ruleY(data, { y: "valueA",
strokeWidth: "valueA" })
```

tickX


```
Plot.tickX(data, { x: "valueA",
y: "name" })
```

tickY


```
Plot.tickY(data, { y: "valueA",
x: "name" })
```

cell


```
Plot.cell(data, { x: "valueA",
y: "valueB" })
```

arrow


```
Plot.arrow(data, { x1: 1, x2: 2,
y1: "valueA", y2: "valueB" })
```

link


```
Plot.link(data, { x1: 1, x2: 2,
y1: "valueA", y2: "valueB" })
```

vector


```
Plot.vector(data, { x: "date",
y: "valueA", rotate: "date",
length: "valueA" })
```

text


```
Plot.text(data, { x: "date",
y: "valueA", text: "name",
fontSize: 25 })
```

image


```
Plot.image(data, { x: "name",
y: "valueA", src: "src" })
```