Plot: Marks

Plots are composed of visual marks representing your data

Observable Plot version 0.4.0

Creating marks

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

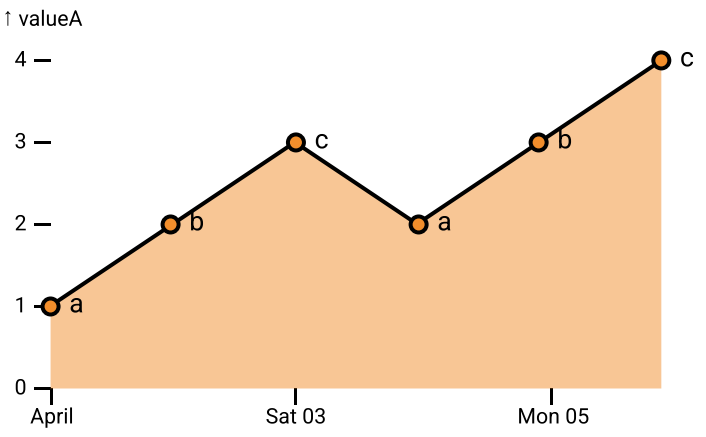
Data:

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
c	2021-04-03	3	3	c.png
a	2021-04-04	2	0	a.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 })
  ]
})
```

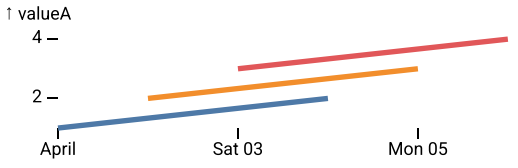
Output:



Types of marks

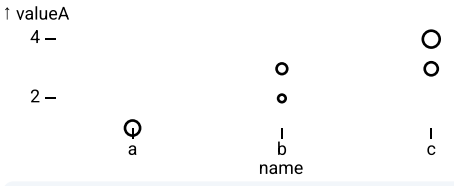
Represent your data using different geometric symbols:

line



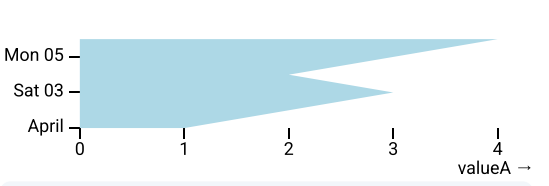

```
Plot.line(data, { x: "date",
y: "valueA", stroke: "name" })
```

dot



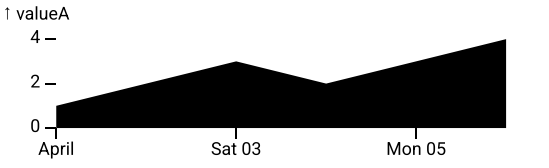

```
Plot.dot(data, { x: "name",
y: "valueA", r: "valueB" })
```

areaX




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

areaY

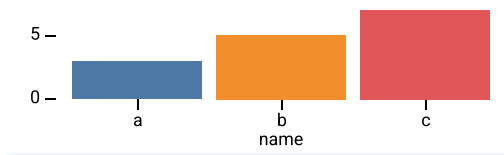



```
Plot.areaY(data, { x: "date",
y: "valueA" })
```

barX

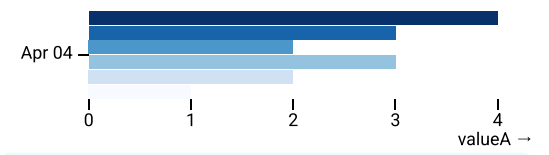

```
Plot.barX(data, { x: "valueA",
y: "name" })
```

barY



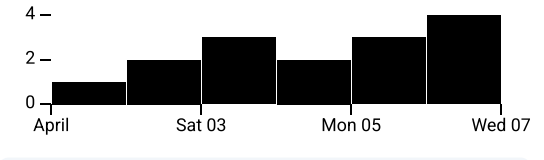

```
Plot.barY(data, { x: "valueA",
y: "name" })
```

rectX



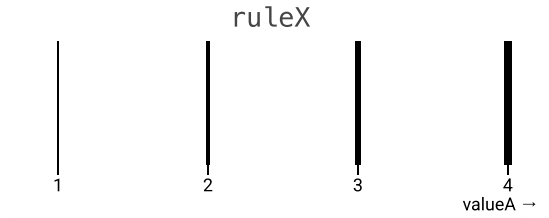

```
Plot.rectX(data, { x: "valueA",
y: "date", fill: "date" })
```

rectY



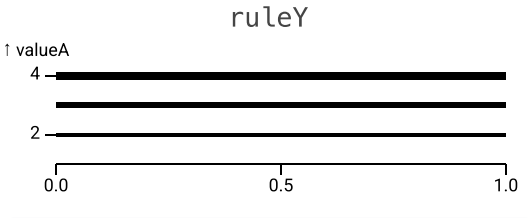

```
Plot.rectY(data, { x: "date",
y: "valueA" })
```

ruleX



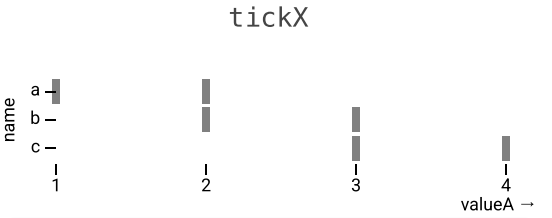

```
Plot.ruleX(data, { x: "valueA",
strokeWidth: "valueA" })
```

ruleY



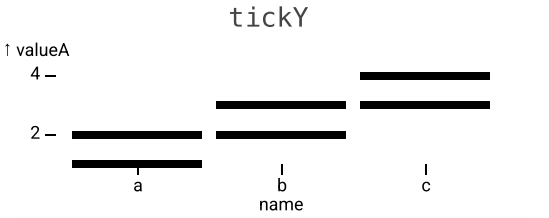

```
Plot.ruleY(data, { y: "valueA",
strokeWidth: "valueA" })
```

tickX



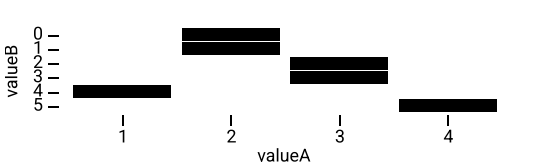

```
Plot.tickX(data, { x: "valueA",
y: "name" })
```

tickY



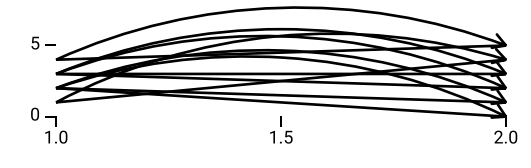

```
Plot.tickY(data, { y: "valueA",
x: "name" })
```

cell



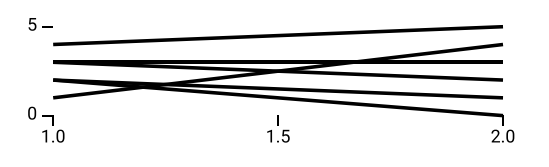

```
Plot.cell(data, { x: "valueA",
y: "valueB" })
```

arrow



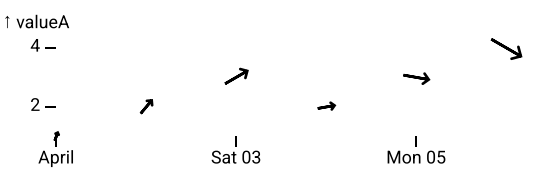

```
Plot.arrow(data, { x1: 1, x2: 2,
y1: "valueA", y2: "valueB" })
```

link



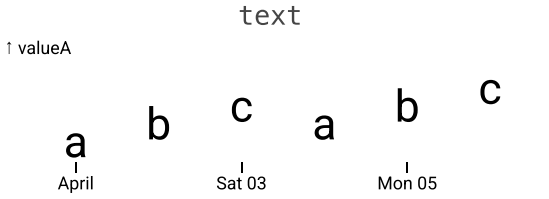

```
Plot.link(data, { x1: 1, x2: 2,
y1: "valueA", y2: "valueB" })
```

vector



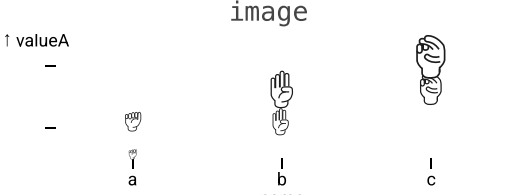

```
Plot.vector(data, { x: "date",
y: "valueA", rotate: "date",
length: "valueA" })
```

text




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

image




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