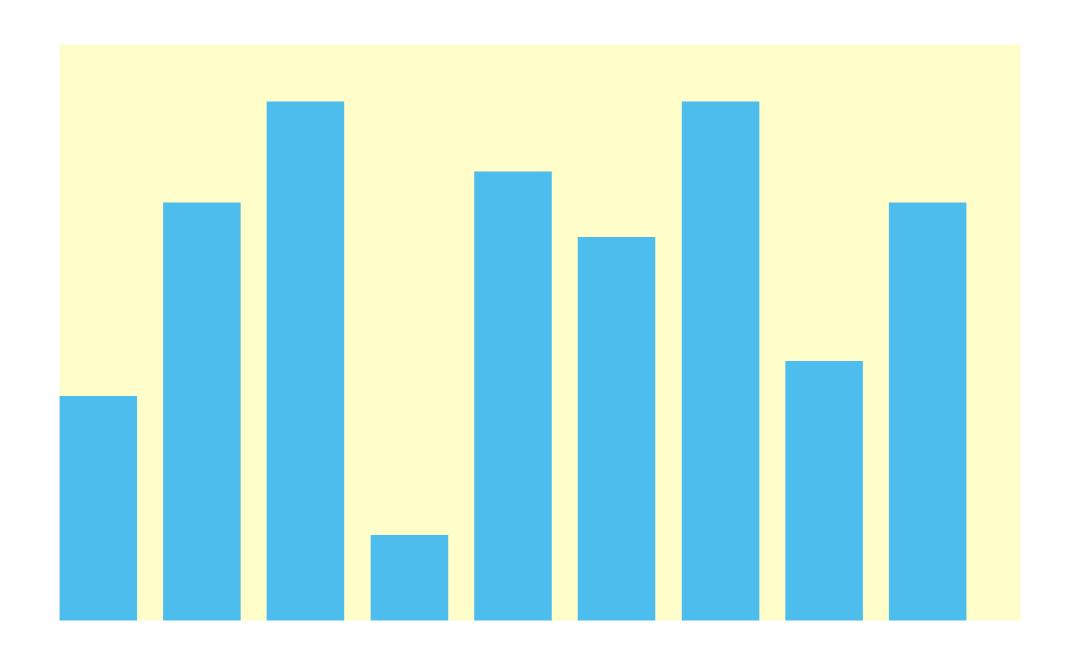
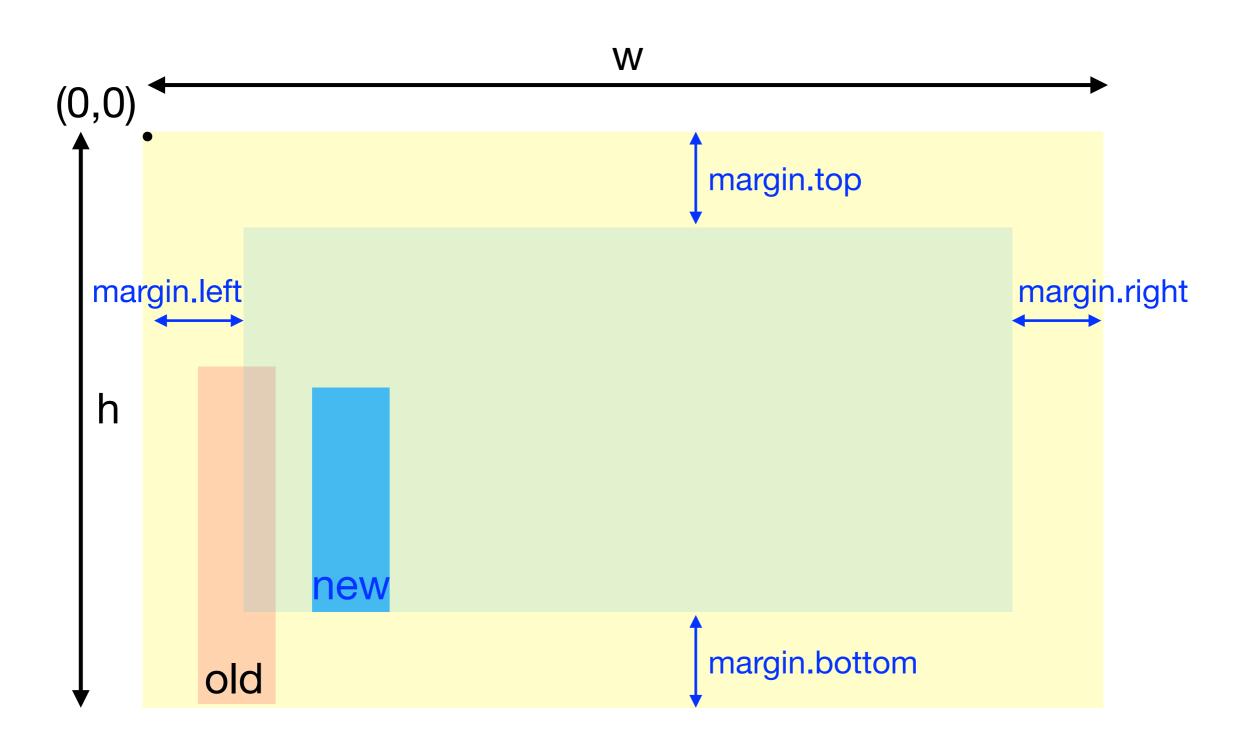
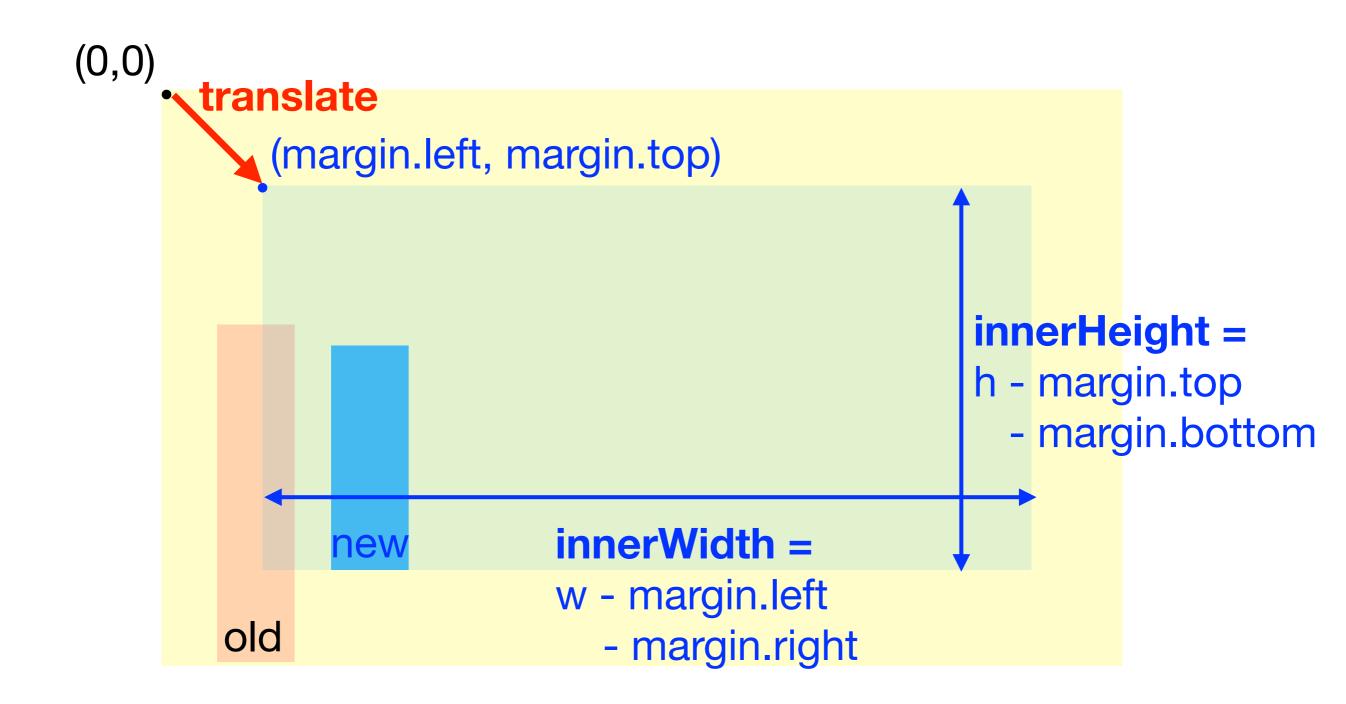
Axes need space



Margin convention



Margin convention



Add background rectangle

```
svg.append("rect")
   .attr("x", 0)
   .attr("y", 0)
   .attr("width", w)
   .attr("height", h)
   .attr("fill", "lightblue");
```

```
const bars = svg.append("g")
   .selectAll("rect").data(bardata)
   .enter().append("rect");
```

```
      before
      after

      <svg>
      <svg>

      <rect>
      </rect>
      <rect>
      <rect>
      </rect>

      <svg>
      <rect>
      </rect>

      </svg>
      </svg>
```

add an id

```
const bars = svg.append("g")
    .attr("id", "plot")
    .selectAll("rect")
    .data(bardata);
```

translate

```
const bars = svg.append("g")
    .attr("transform",
         `translate (${margin.left},
                      ${margin.top})`)
  .selectAll("rect")
    .data(bardata);
<g transform="translate (25, 25)">
```

ES6 template literals, use ``

```
const bars = svg.append("g")
  .attr("transform",
      `translate (${margin.left},
             ${margin.top})`\
 .selectAll("rect")
  .data(bardata);
   "translate (" + margin.left + ","
      + margin.top + ")")
```