```
tt()
```

Schedule

1. Dataset ophalen (show and tell)
2. Review (scales, joins)
3. Events
4. All together!

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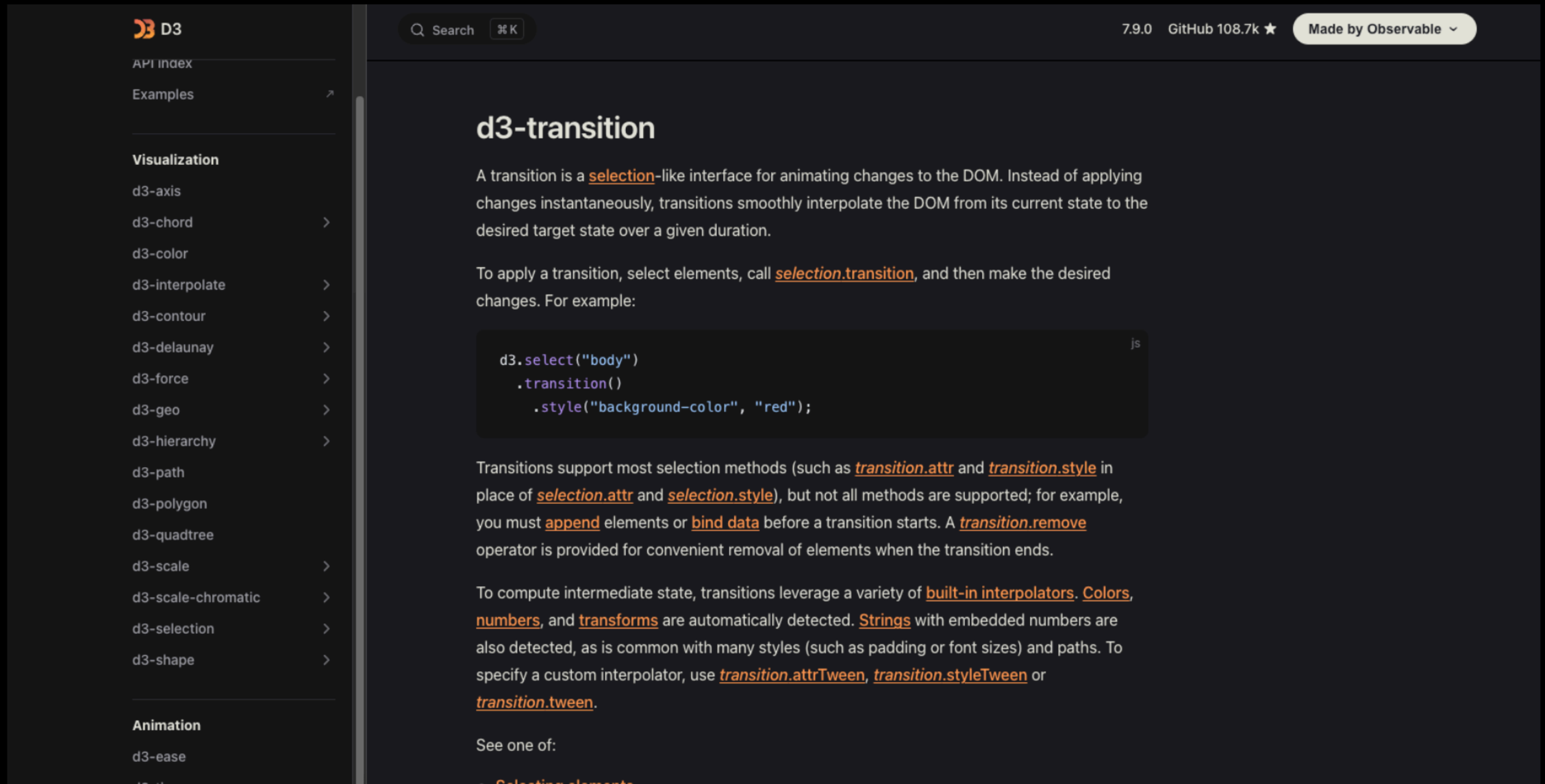
Events

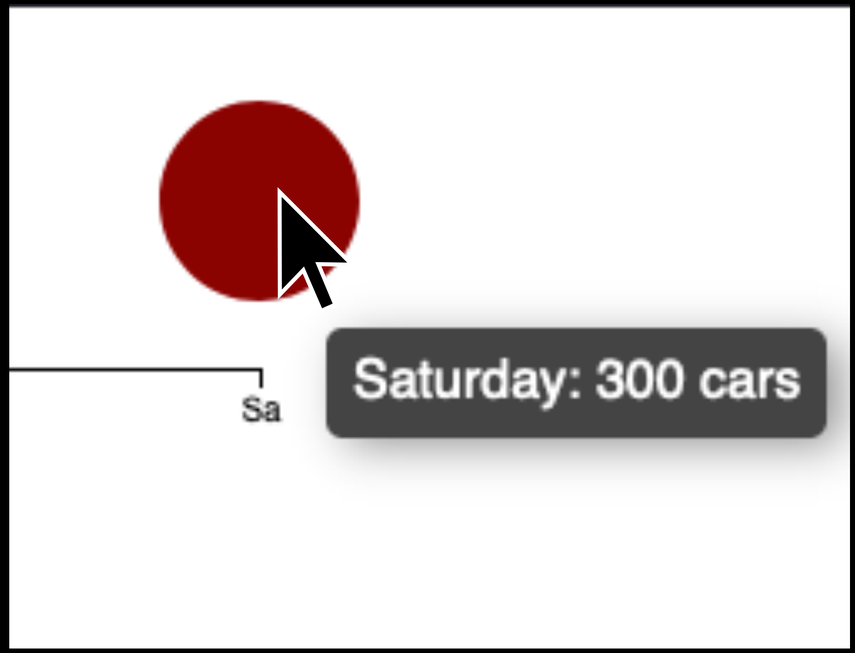
1. Mouse events (clicks, mouseover etc.)
2. Keyboard events (keypress etc.)
3. Touch events (longpress etc.)
4. Drag & Zoom events (drag etc.)

Events (transitions)



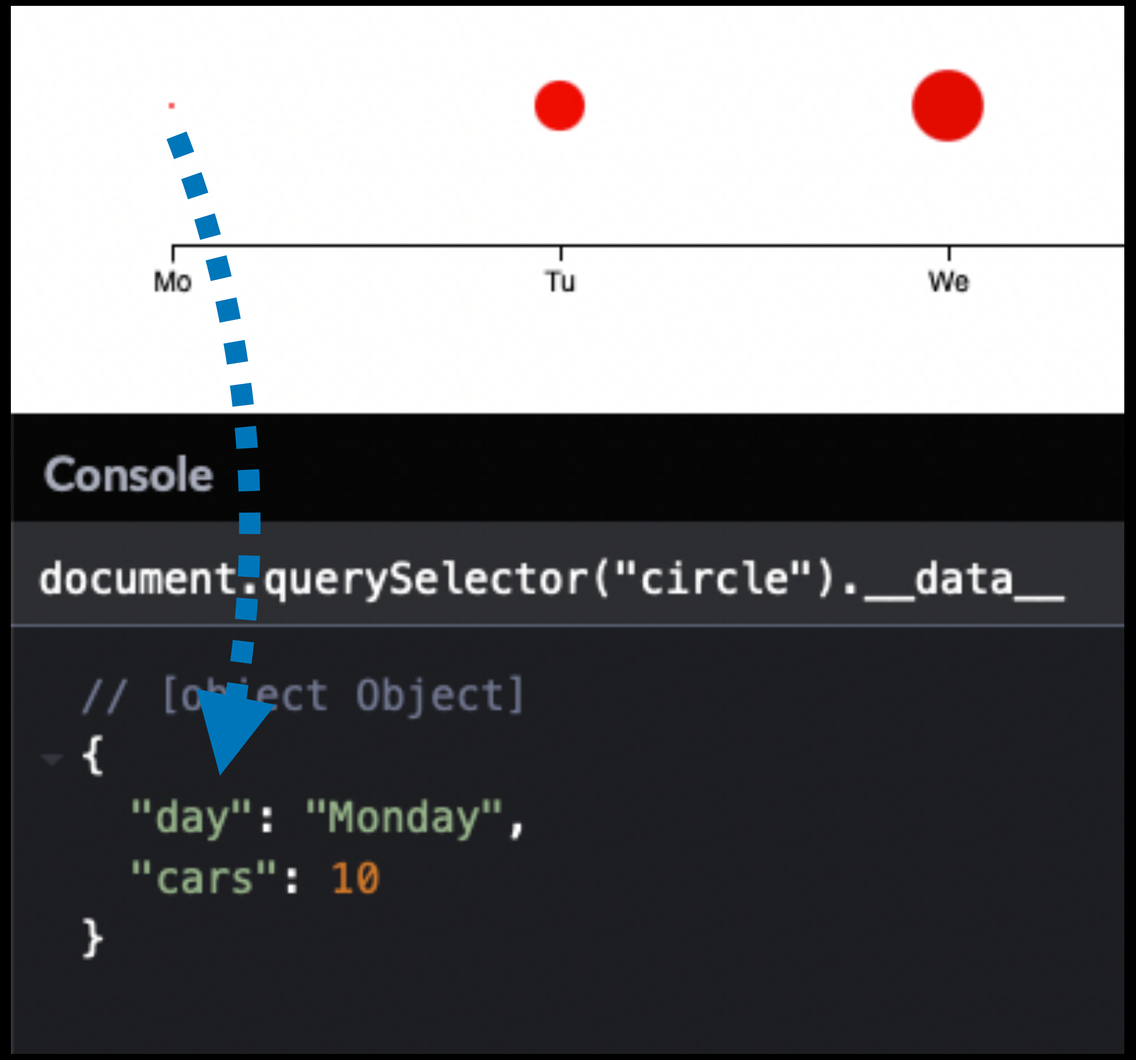
Events

Events help you to add interactivity to your graphs. For example you can add a tooltip or a side panel showing additional details.



Event data

D3 has a magical feature: it adds a __data__ object to all DOM elements you created so you have access to the original data in your event.



Event binding

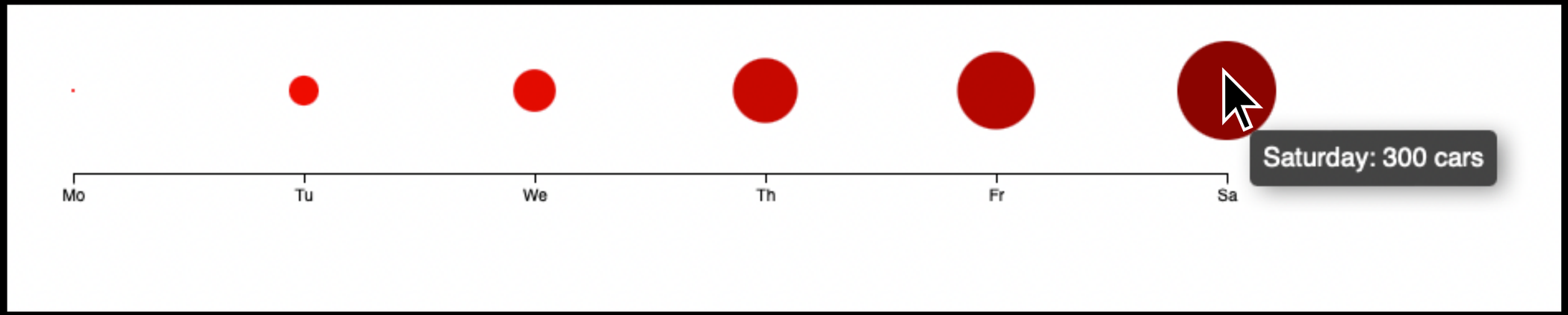
```
d3.select("#scale1")
  .selectAll("circle")
  .data(dataSet)
  .join("circle")
  .on("mouseover", (e, d) =>
    d3.select("#tooltip")
    .style("opacity", 1)
    .text(`${d.day}: ${d.cars} cars`)
  )
  .on("mousemove", (e) =>
    d3
      .select("#tooltip")
      .style("left", e.pageX + 15 + "px")
      .style("top", e.pageY + 15 + "px")
  )
```

You add events by calling d3.on(). D3 will call your event function with two paramenters:

1. Event data
2. Object data used during d3.join()

Tooltip demo

https://codepen.io/dandevri/pen/azdrEQb



Huiswerk

- Maak je visualisatie

Uncaught SyntaxError
Unexpected end of input