```
tt()
```

Schedule

1. Review (scales, axis)
2. Enter, update, exit
3. Filtering (hands-on)
4. All together!

Schedule

1. **Review (scales, axis)**
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Scales

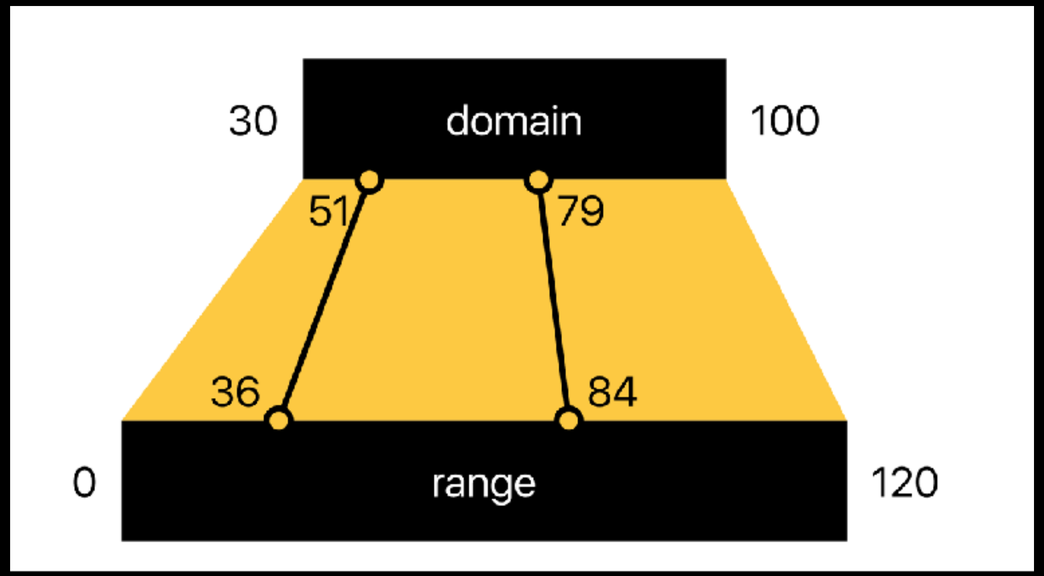
Scales calculate

- how big elements of a graph should be
- where their position

They are **functions**

domain = what you need to show

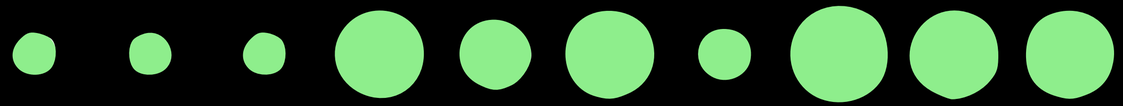
range = how you want to show it



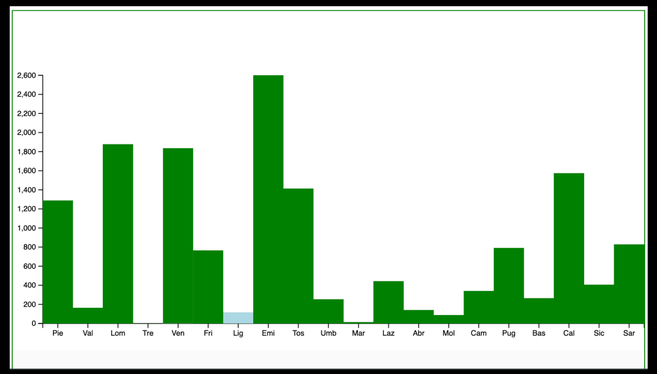
Scales - the purpose

Scales allow to visualize data through:

size



position



and **color**

Schedule

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Joins

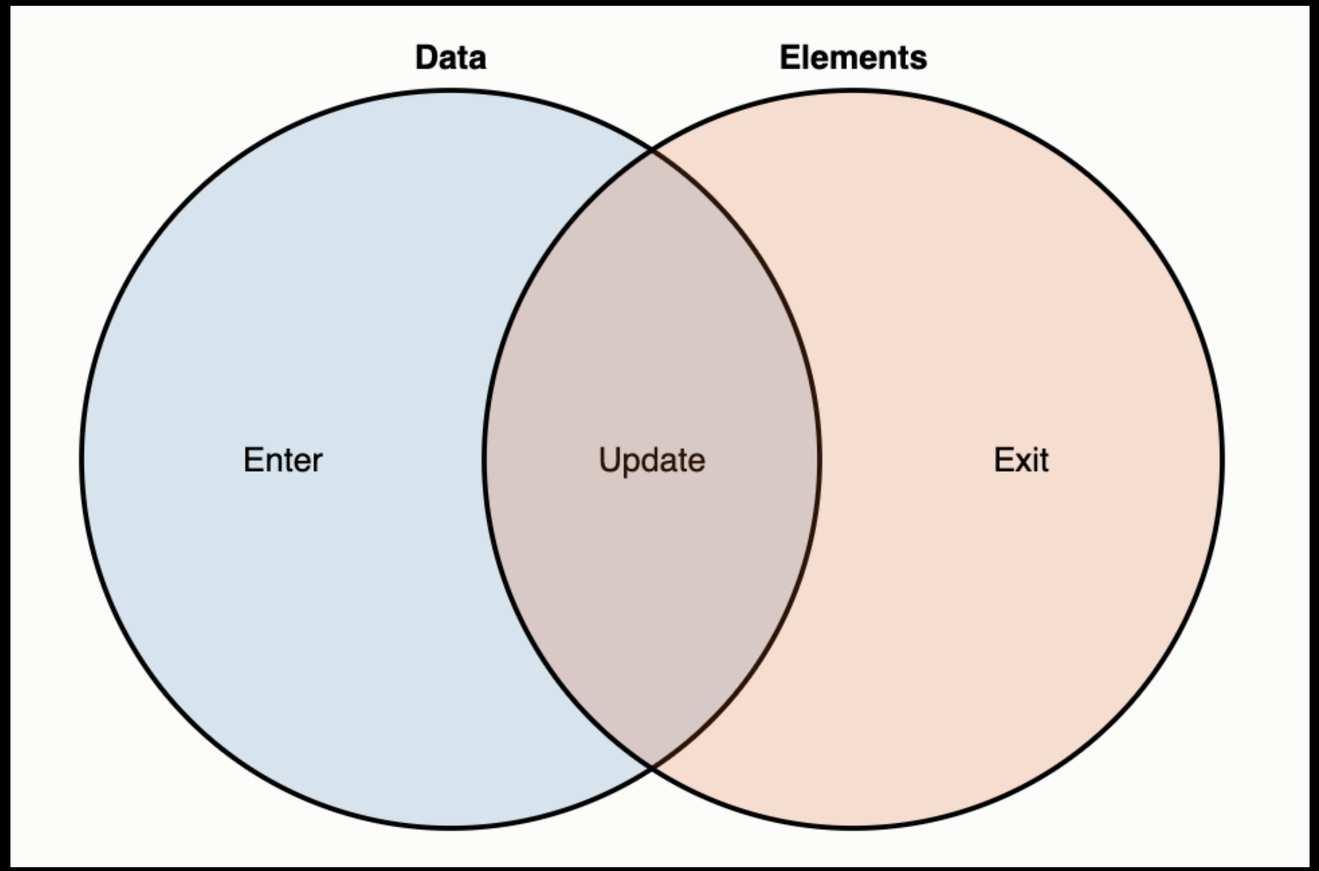
Data joins are kinda like doing a mail merge in Office to create address labels based on a list in Excel

ere we use d3.join() to create a
rect> element for each item in our
yData array

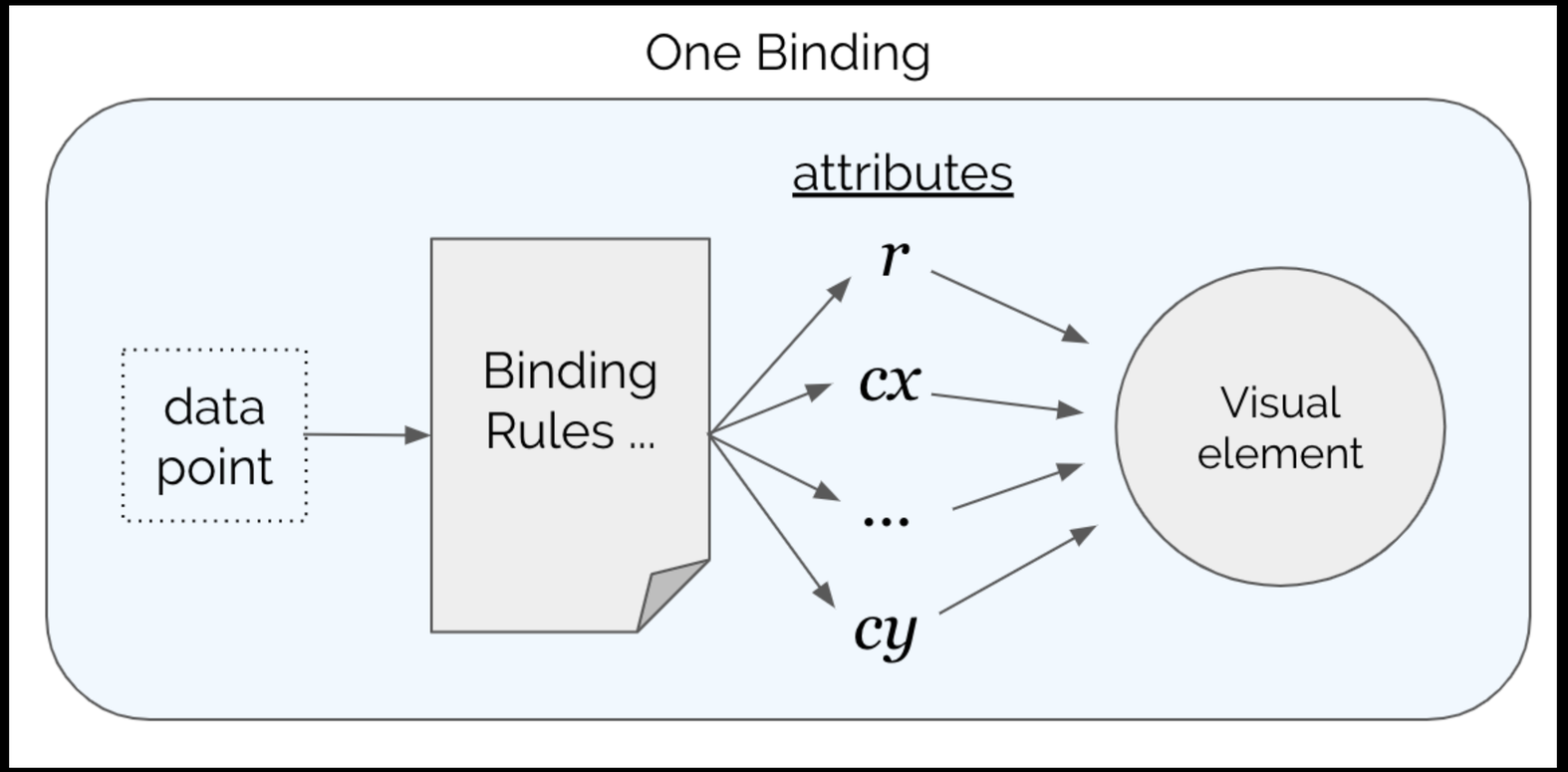
```
<svg id="chart"></svg>

<script>
let myData = [40, 10, 20, 60, 30];

d3.select('#chart')
  .selectAll('rect')
  .data(myData)
  .join('rect');
</script>
```

https://codepen.io/vijnv/pen/poGNmme

enter() update() exit()



enter() update() exit()



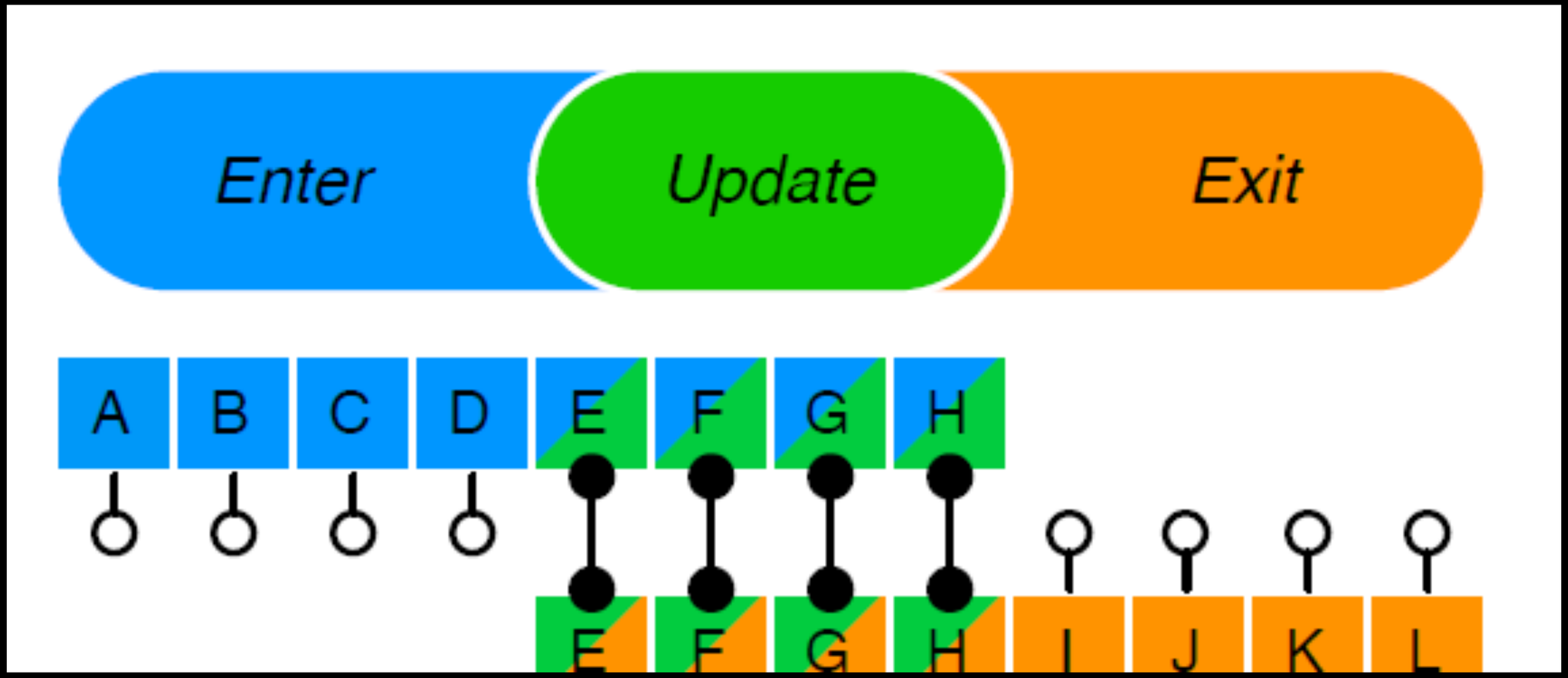
enter() update() exit()

1. The enter function parameter is the enter selection which represents the elements that need to be created

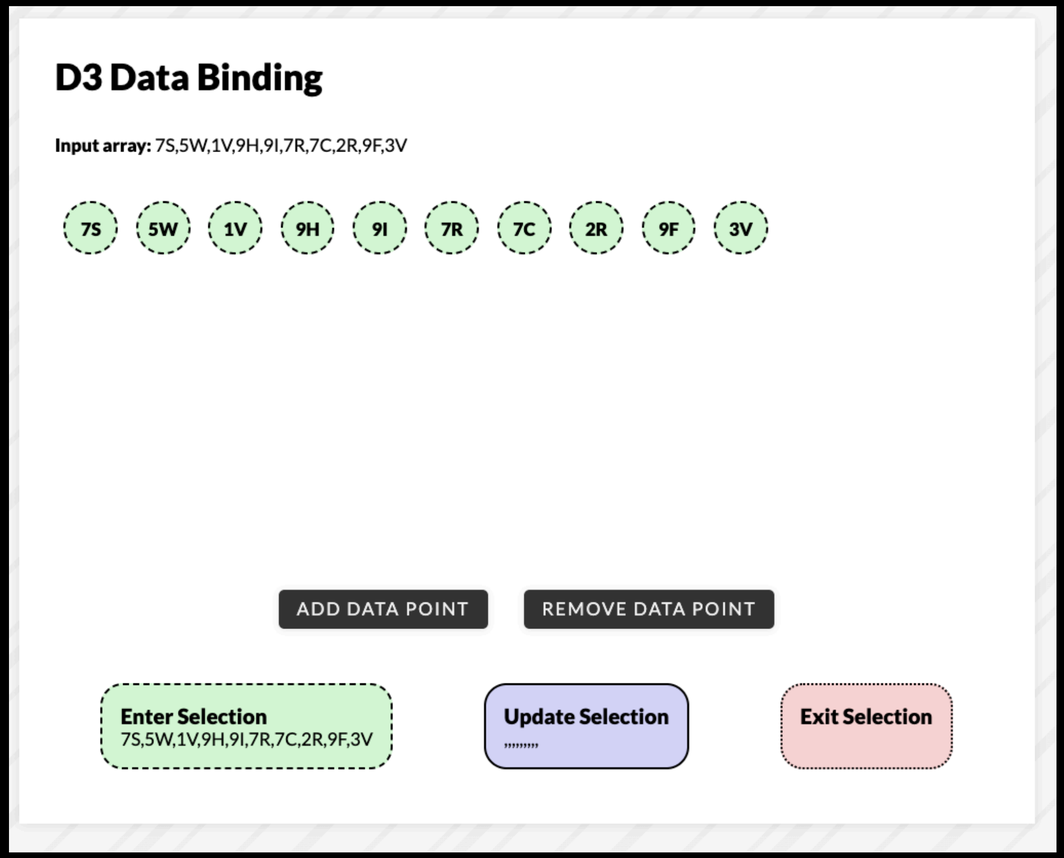
2. The update function parameter is the selection containing the elements that are already in existence (and aren’t exiting).

3. The exit function is the exit selection and contains elements that need to be removed

Data binding

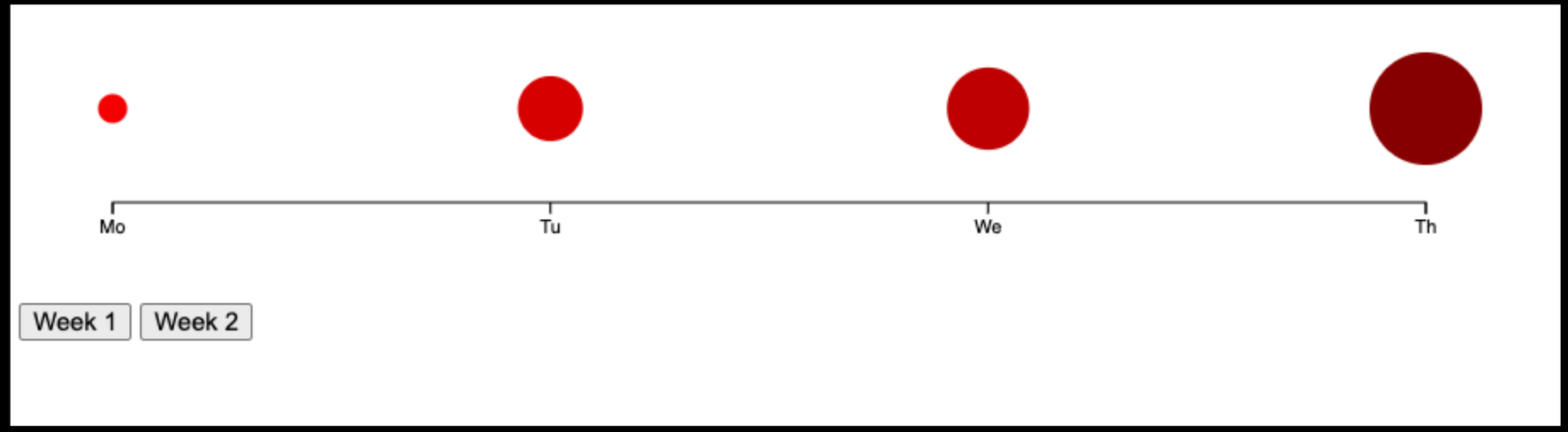


enter() update() exit()



https://codepen.io/robertspier/pen/Poamowa

update with join

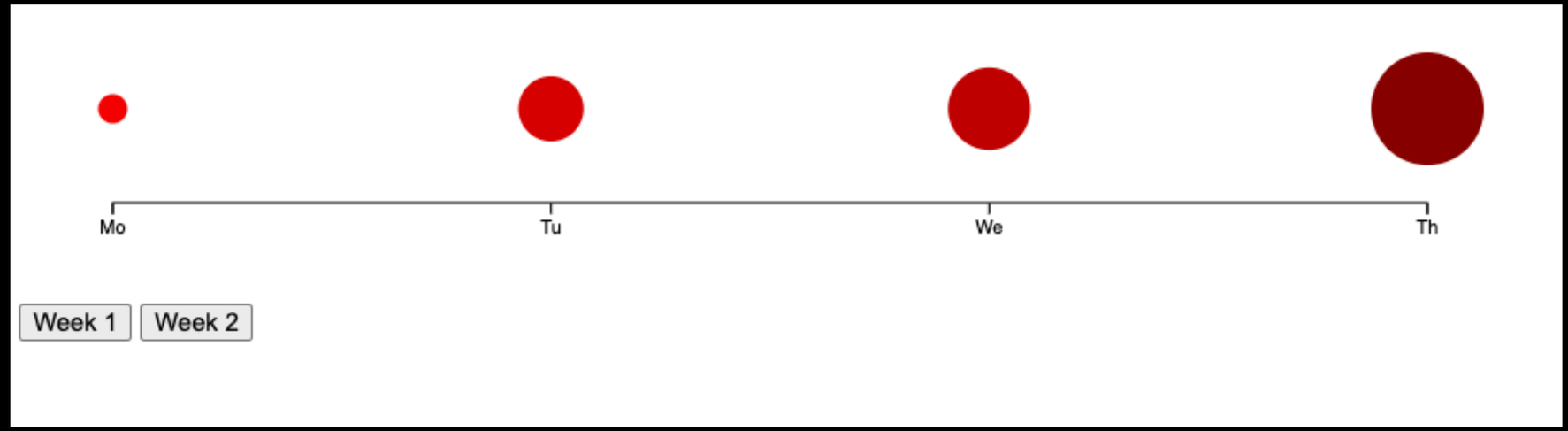


https://codepen.io/dandevri/pen/jEWoEgd

Schedule

1. Review (scales, axis)
2. Enter, update, exit
3. **Filtering (hands-on)**
4. All together!

update with join



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

Schedule

1. Review (scales, axis)
2. Enter, update, exit
3. Filtering (hands-on)
4. **All together!**

Huiswerk

- Exploreer je API, zorg ervoor dat je data binnenkrijgt
- Filter en schoon ook al op (functional patterns)
- Ga aan de slag met je concept!

Lees:

1. https://www.d3indepth.com/datajoins/

Uncaught SyntaxError
Unexpected end of input