

# **d3.js**



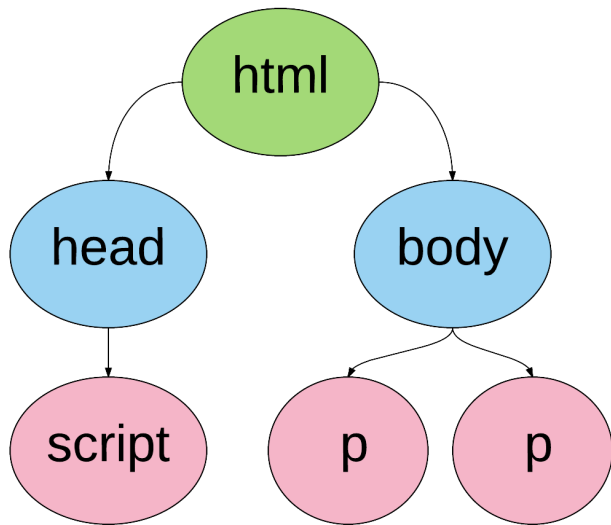
# What is d3.js?

- Javascript library for modifying html documents based on data
- SVG visualizations

# Pretty examples!

<http://d3js.org/>

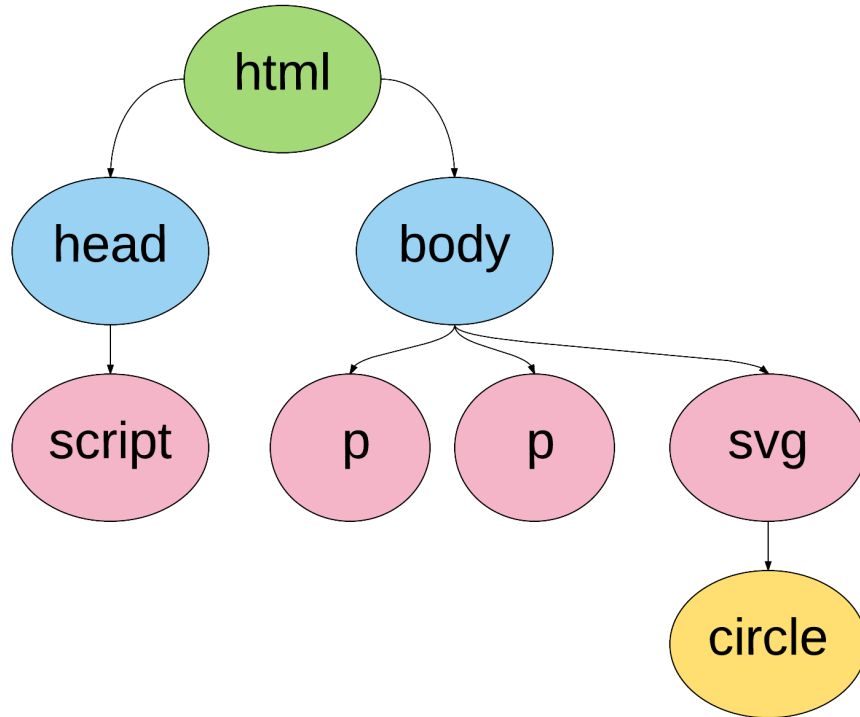
# Detour to the DOM



```
<!DOCTYPE html>
<html>
  <head>
    <script src="https://cdnjs.cloudflare.
com/ajax/libs/d3/3.5.5/d3.min.js" charset="utf-8"
></script>
  </head>

  <body>
    <p>Here's some text</p>
    <p>And some more</p>
  </body>
</html>
```

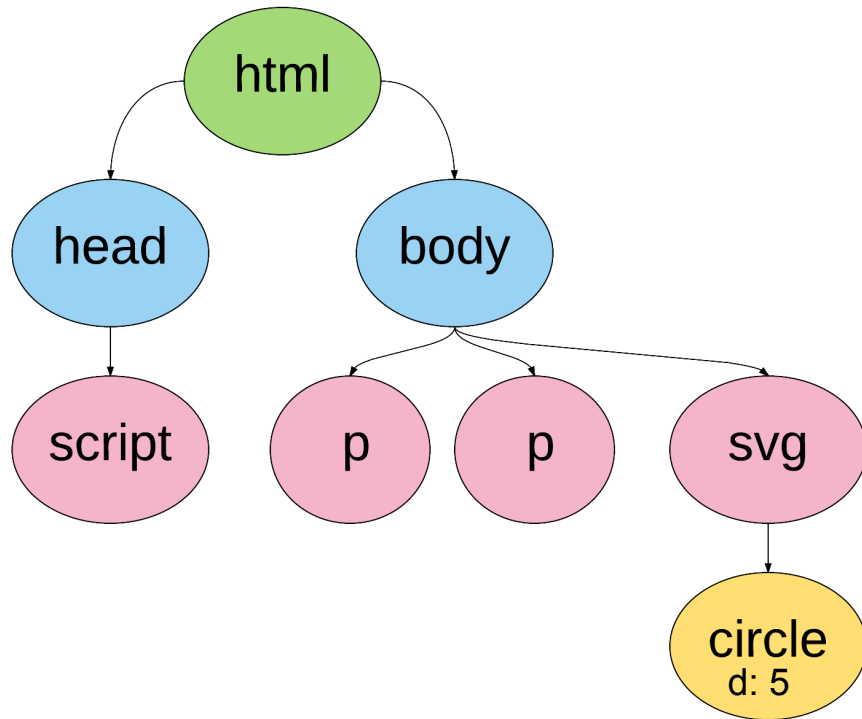
# JS manipulates the DOM



```
var body = d3.select("body")  
var svg = body.append("svg")  
svg.append("circle")
```

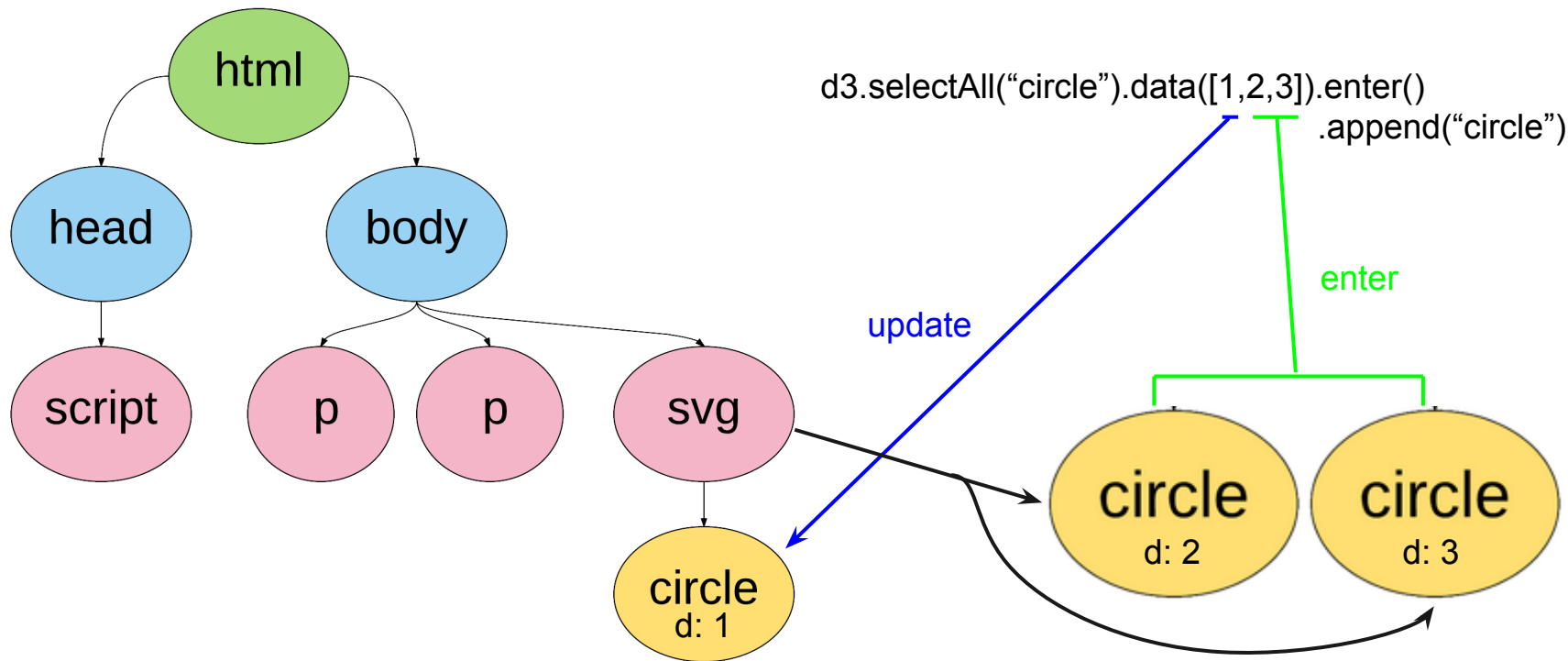
```
d3.selectAll("p").style("color", "green")
```

# d3 binds data to nodes



`d3.selectAll("circle").data([5])`

# enter-update-exit



# Transitions + interactions

D3 makes these pretty easy!

Examples!