



**CREATING CUSTOM DATA  
VISUALISATIONS WITH  
OBSERVABLE NOTEBOOKS & D3**



# Welcome back!



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# Schedule for Session 2

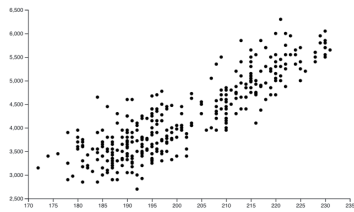
Find these slides online:  
[github.com/DCS-training/  
custom-dataviz-observable](https://github.com/DCS-training/custom-dataviz-observable)

<b>13:00</b>	Welcome back & Introduction
<b>13:15</b>	Open session to work on visualizations
<b>13:45</b>	Catch up
<b>13:55</b>	<i>Break</i>
<b>14:05</b>	Open session to work on visualizations
<b>15:00</b>	Wrap up & Closing

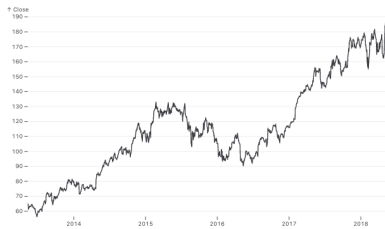


# Recap: Different ways of thinking about visualization

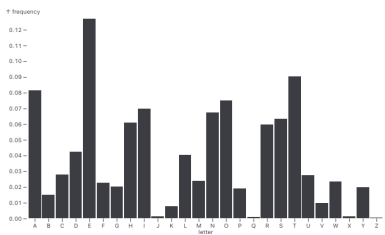
## Visualization Types



scatterplot

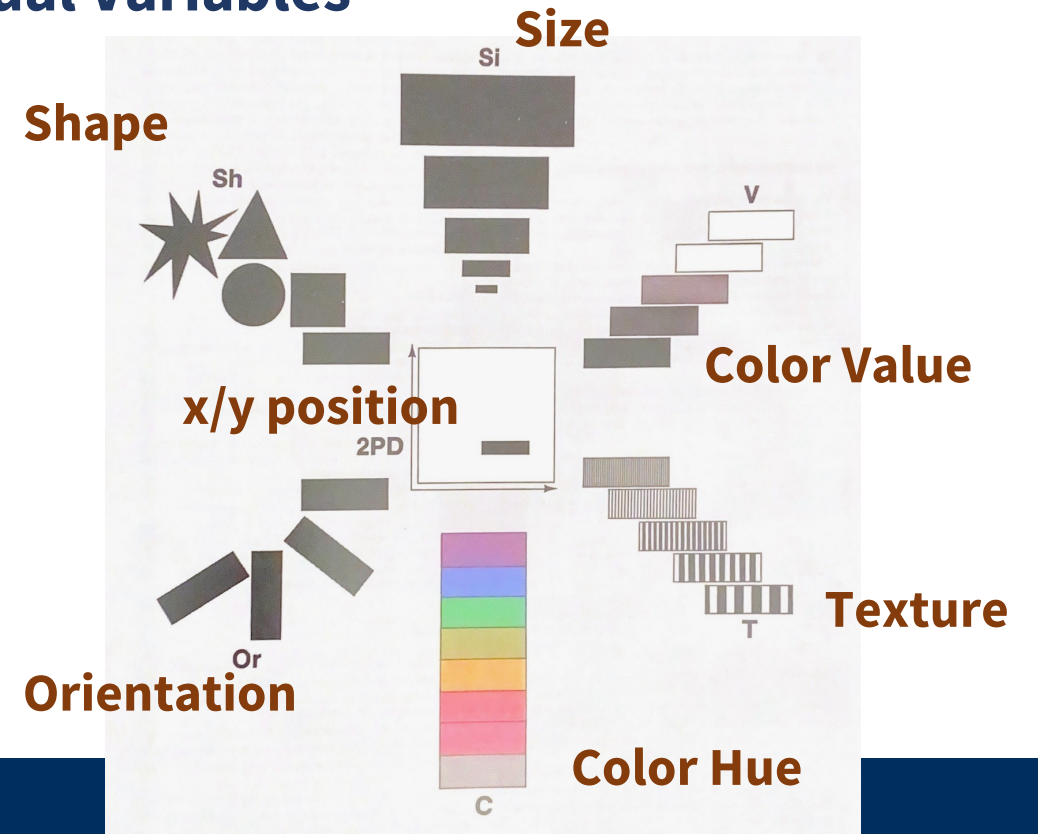


line chart



bar chart

## Visual Variables



# Reasons for using custom visualizations

more  
aesthetic

unusual  
data format

complex  
multi-variate  
patterns

highly specific  
analysis goals

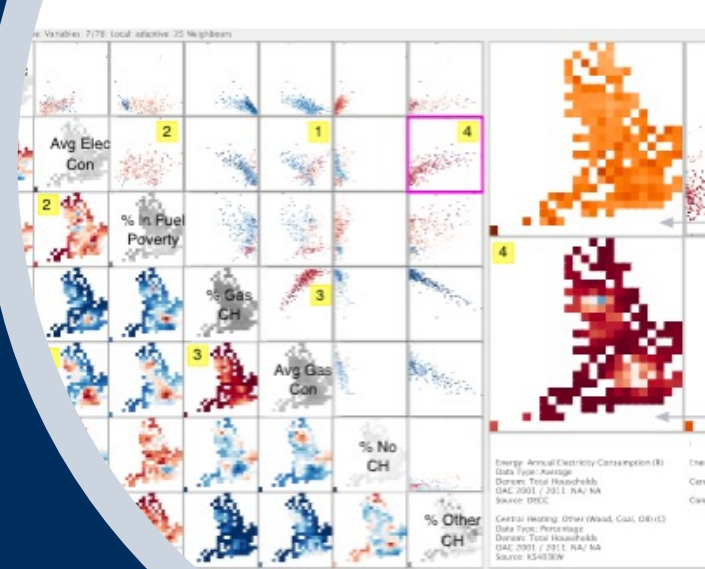
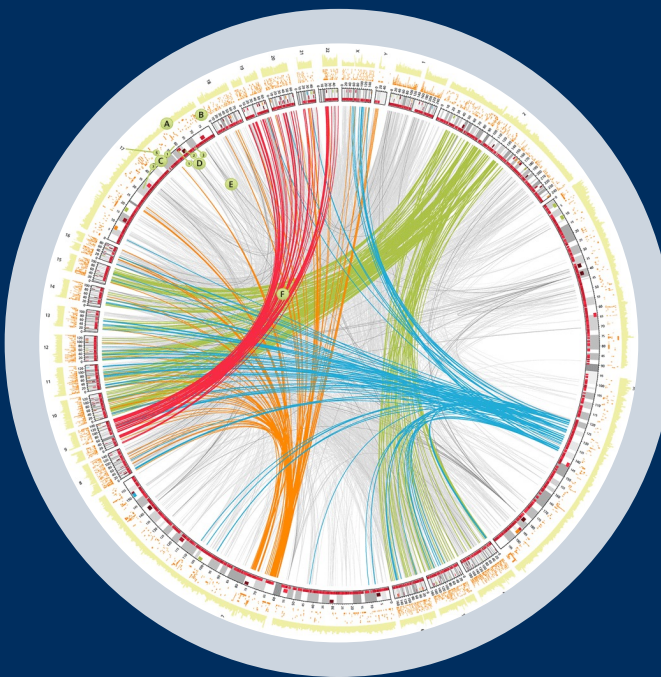
more  
eye-catching

## Reasons against using custom visualizations

- can be time-consuming and challenging to implement
- can require more effort from users to understand







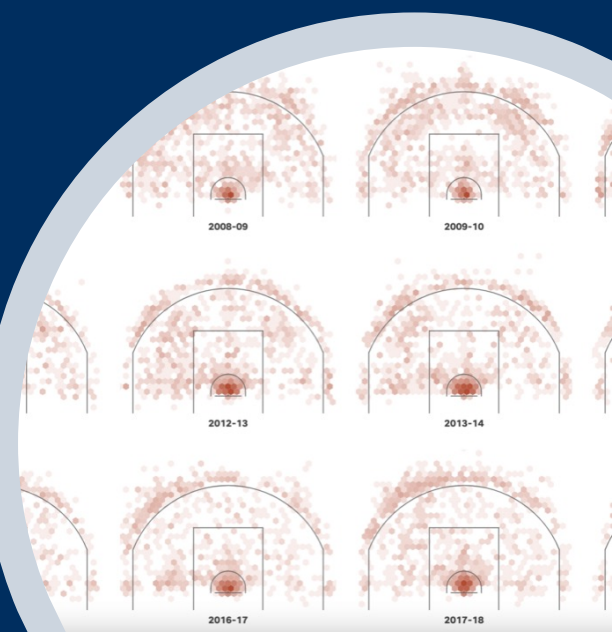
MicroMulti information in an asymmetrical  
locality information, based on an ac  
cessed in the text.

# Custom Visualization Examples



[www.cdcs.ed.ac.uk](http://www.cdcs.ed.ac.uk)

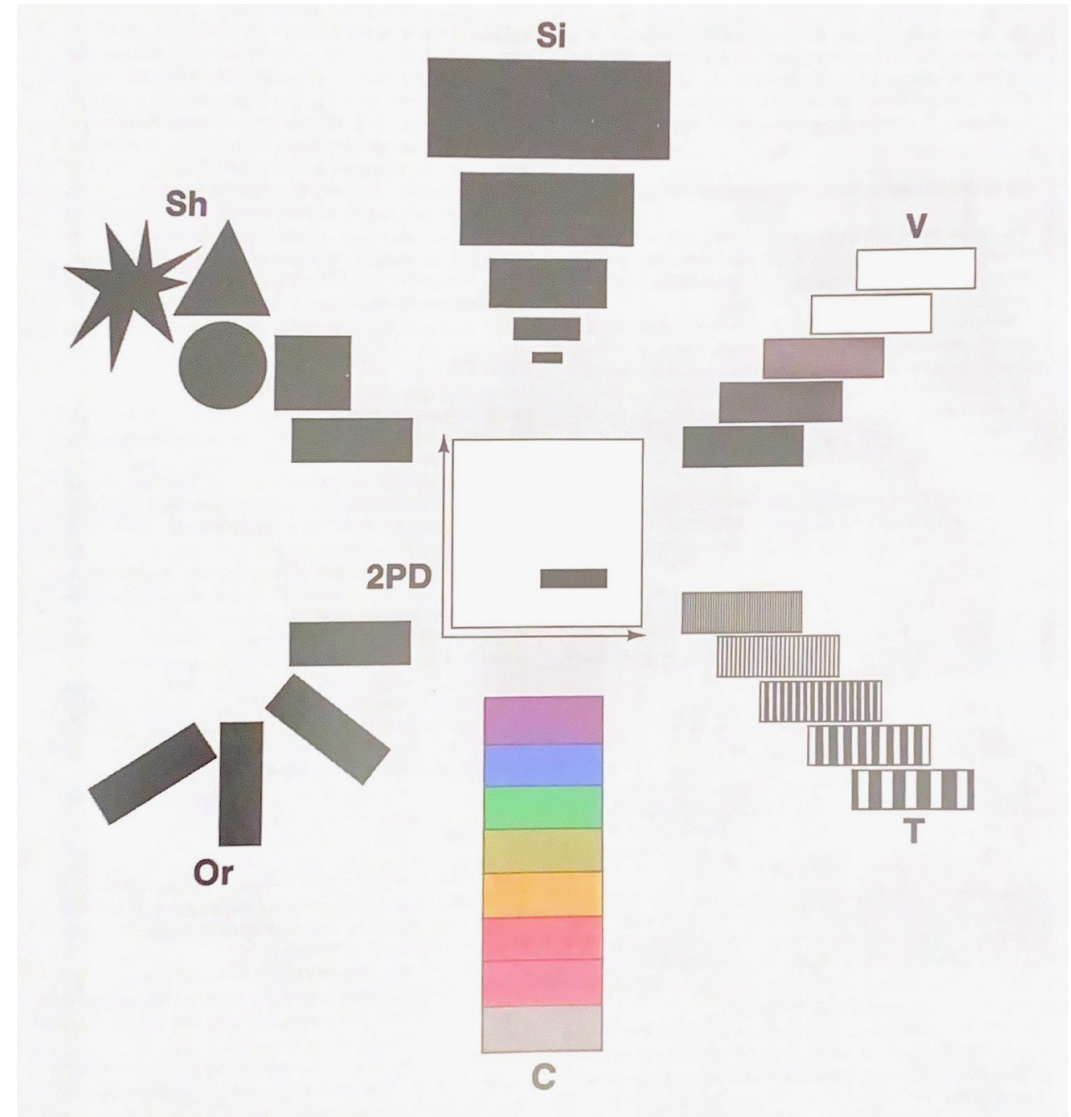
(see week 1 slides for sources)



# Coding Open Session

- Continue working on the example from last week, or work with your own data
- Try finding an example on Observable and “forking” it, then edit to suit your own data and visualization design

***Catch up at 13:45***  
***Break 13:55-14:05***



# Additional D3 Resources

- Observable has a series of notebooks for learning D3:  
<https://observablehq.com/@d3/learn-d3>
- Interactive Data Visualization for the Web (book):  
<https://scottmurray.org/work/d3-book-2e>
  - from 2017 so a little outdated now, but a great resource for the basics
- Tutorial for creating simple charts and maps:  
<https://www.freecodecamp.org/news/d3js-tutorial-data-visualization-for-beginners/>
- D3 has great documentation for looking up specific functions:  
<https://d3js.org/api>





# Thank you!

- Feedback form: *see follow-up email*
- Link to these slides: [github.com/DCS-training/custom-dataviz-observable](https://github.com/DCS-training/custom-dataviz-observable)

