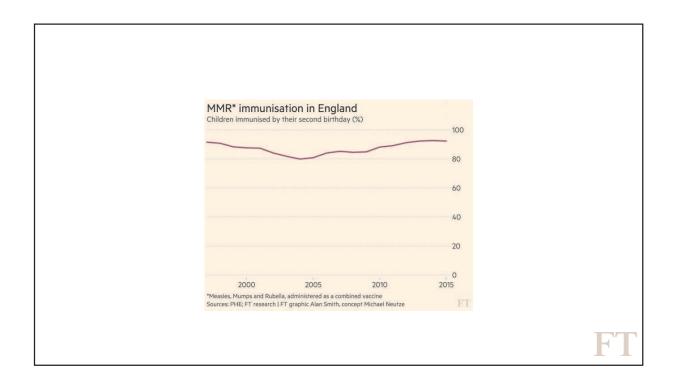
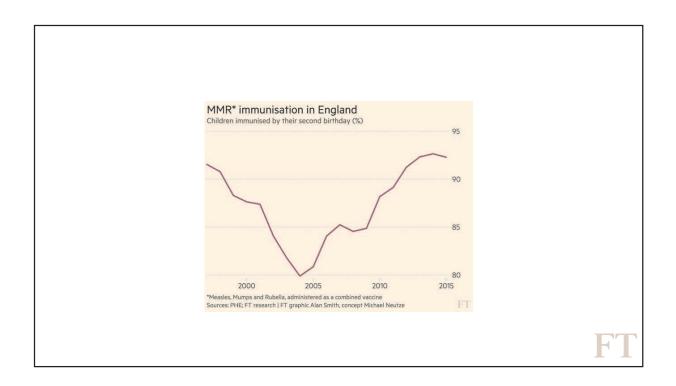


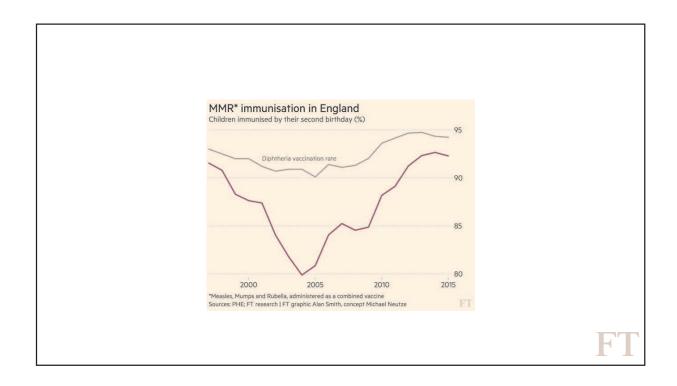


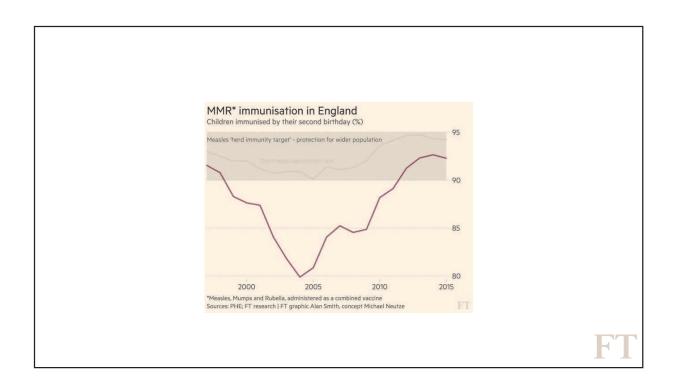
Using charts to build narratives

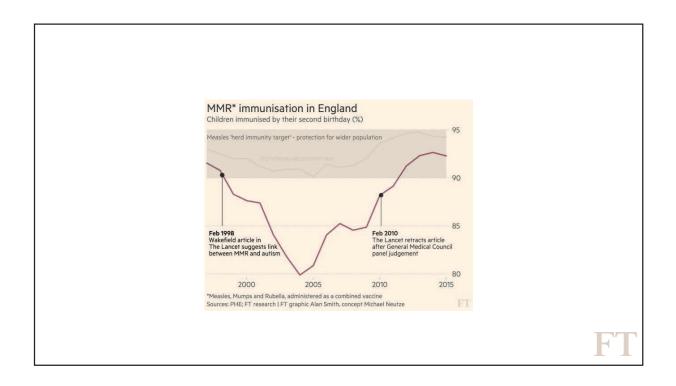
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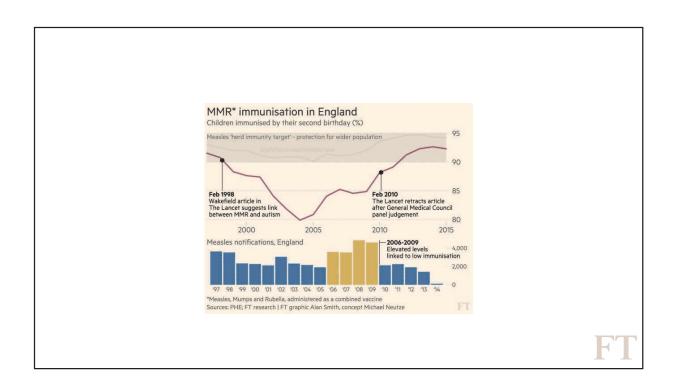


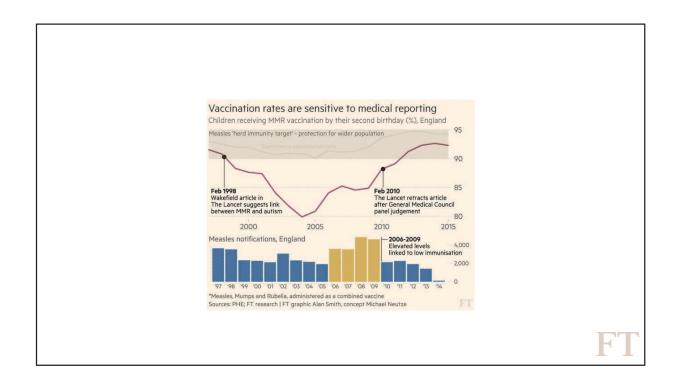


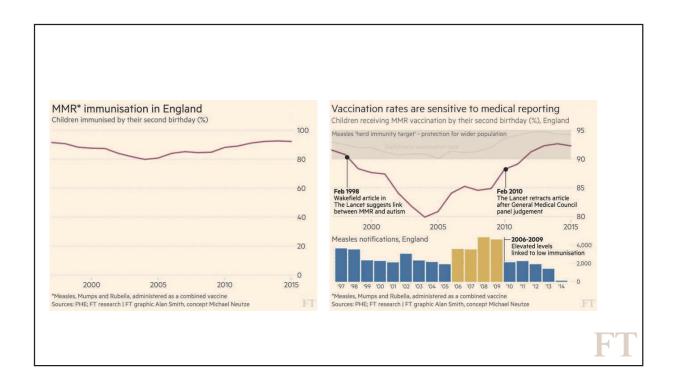










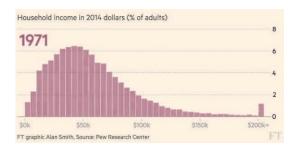




Designing charts for platform

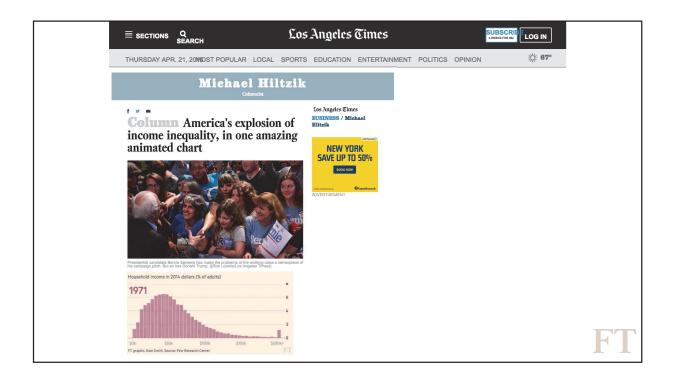
FT

"I want to show how income *distribution* has *changed over time*"

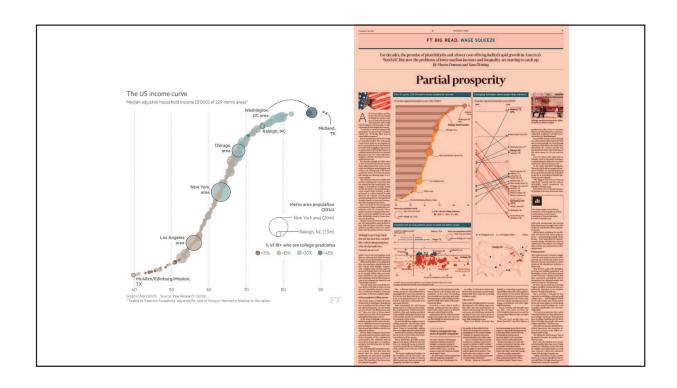


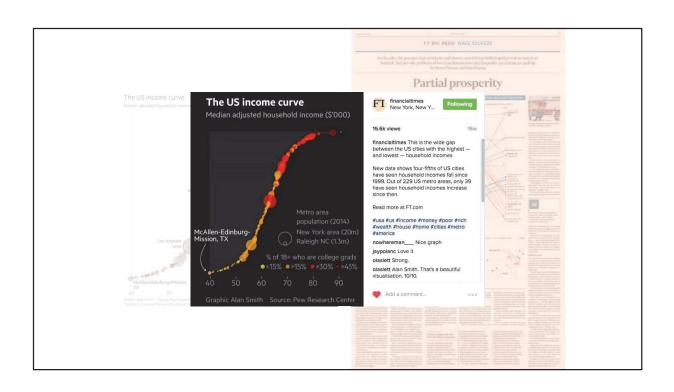


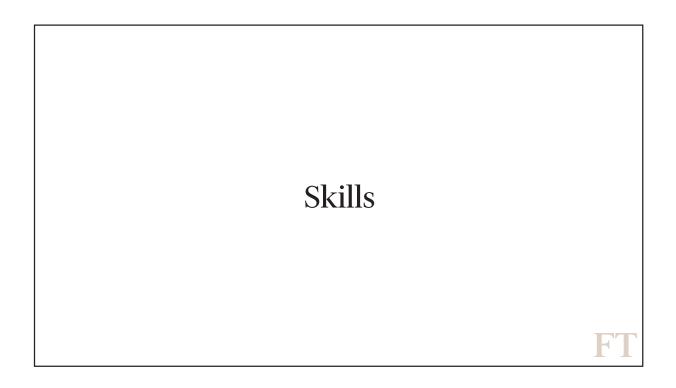


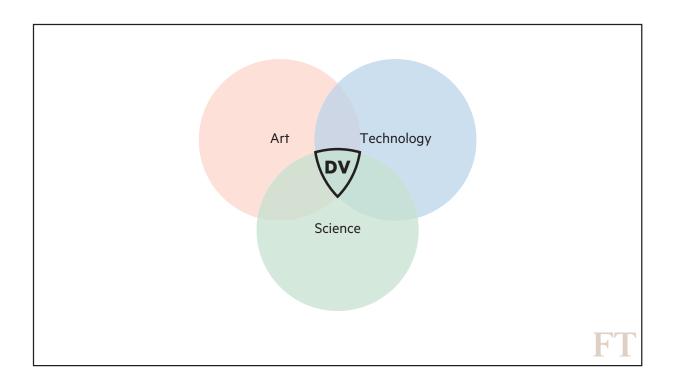


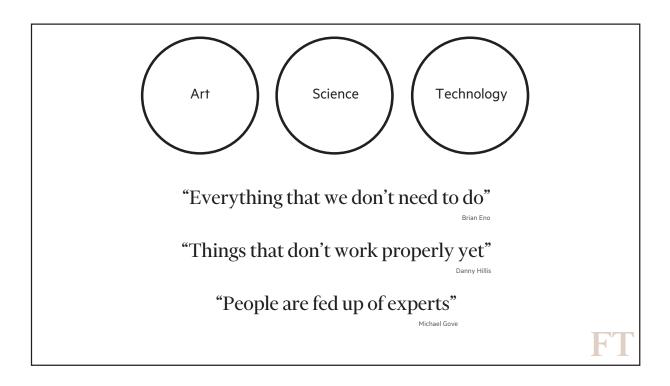


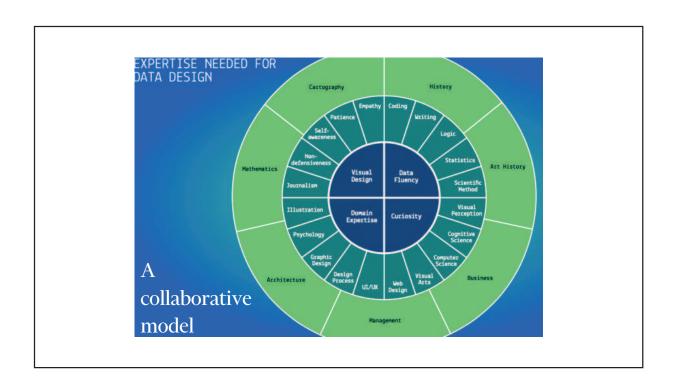






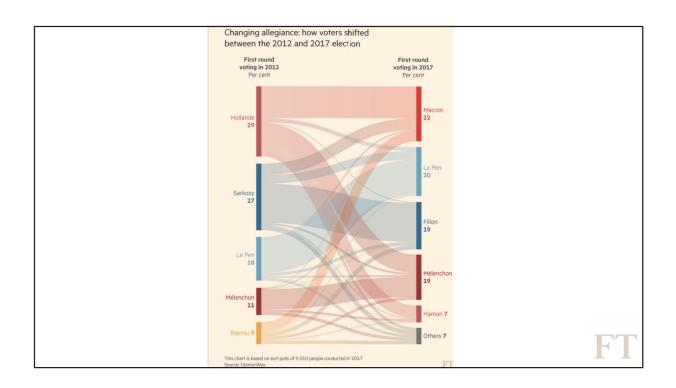








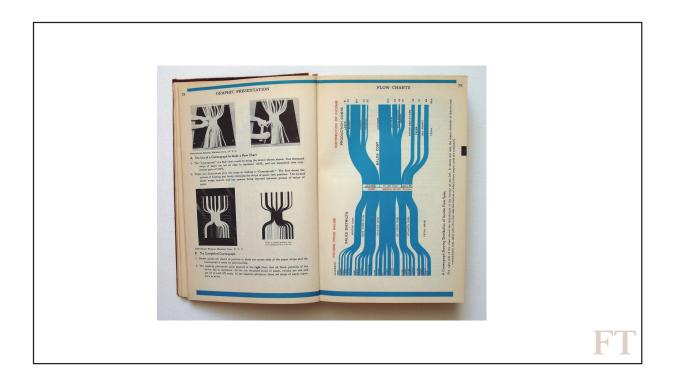
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"We focus way too much on technological innovation and ...way too little on thinking"

-Alberto Cairo, Knight Chair of Visual Journalism at the University of Miami, author of "The Functional Art", "The Truthful Art"





http://www.visualisingdata.com/resources/



Andy Kirk









Pros

- Free, powerful, open source
- Programming means any chart/map type is possible
- Robust, modular statistical computing engine
- · Enthusiastic community

Cons

- Not as easy to get going as with 'drag and drop' software requires programming and statistical knowledge
- Achieving "publication-quality" outputs takes some effort









Recommended read

"ggplot2 Elegant graphics for data analytics" by Hadley Wickham







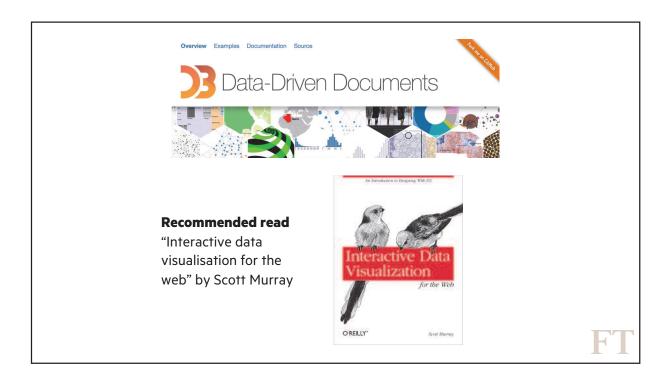
Pros

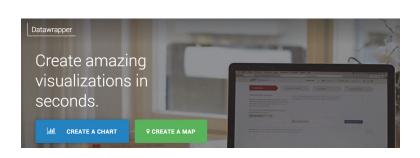
- Free, open source
- Amazingly powerful web visualisations, including animation and interactivity

Cons

- Requires (complex) programming knowledge
- · Not designed for quick turnaround charts







Datawrapper.de

- Quick charts and maps using a browser-based tool (uses d3) - no programming needed
- Basic chart and map types





rawgraphs.io

- Quick charts and maps using a browser-based tool (uses d3) - no programming needed
- Sophisticated chart types, many as featured on the Visual Vocabulary





Adobe Illustrator

- Desktop publishing software, essential for publication-quality static outputs
- Vector editing package capable of raster and vector outputs
- Has its own charting tool best avoided!

FI

