



Confucius quote:

Tell me, and I will forget

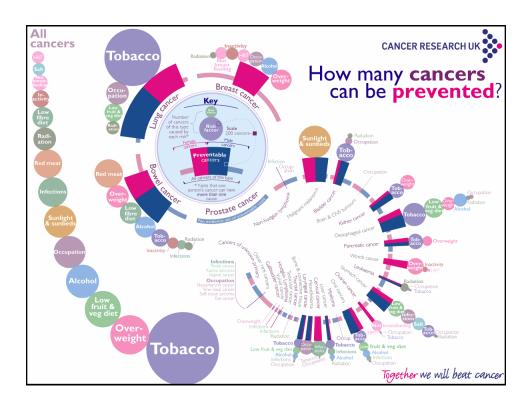
Show me, and I may remember

Involve me, and I will understand

15th June, 2012



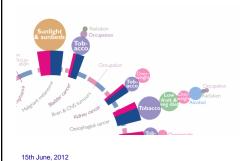




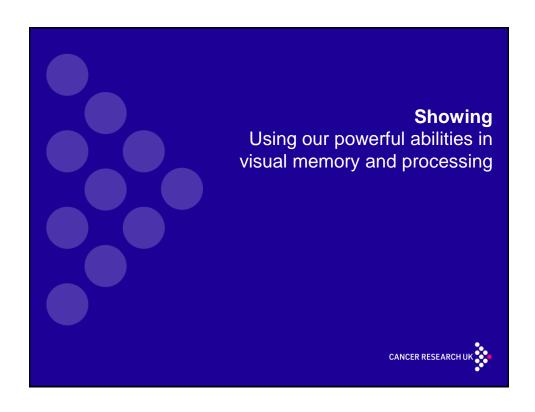
Progressive disclosure:

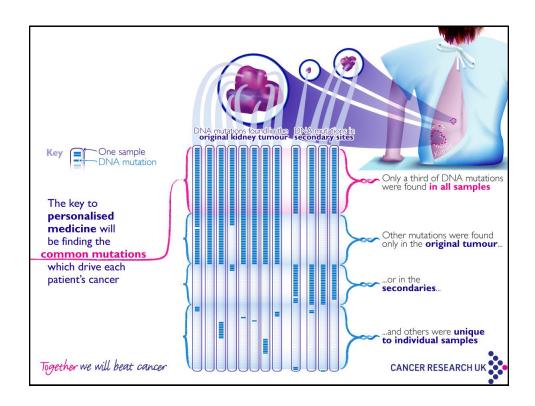
Folding up complexity, so details are disclosed on demand.

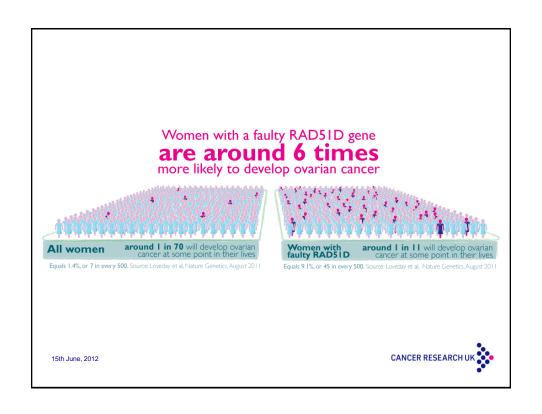
Information as navigation.

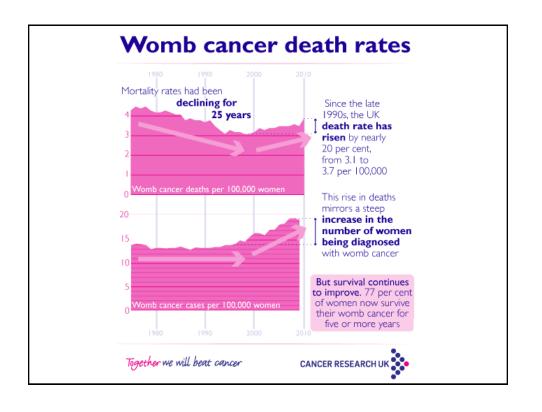


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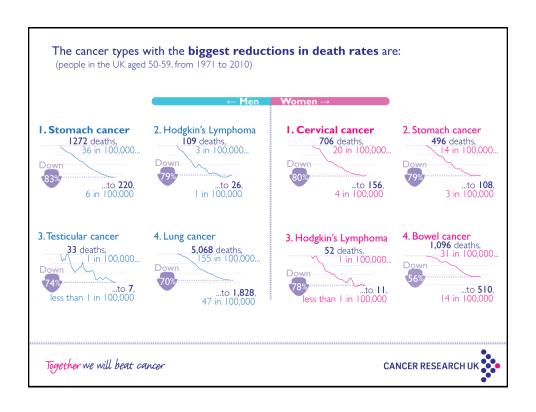
Signal to noise ratio:

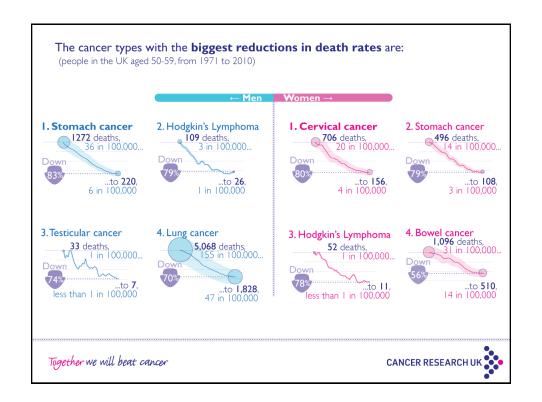
- Send signal in form best able to be received
- Remove unnecessary distractions (noise)
- Careful additions to the signal can remove ambiguity and enhance clarity

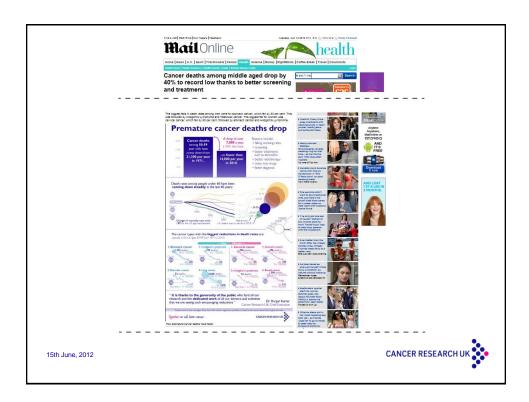












Figure/Ground:

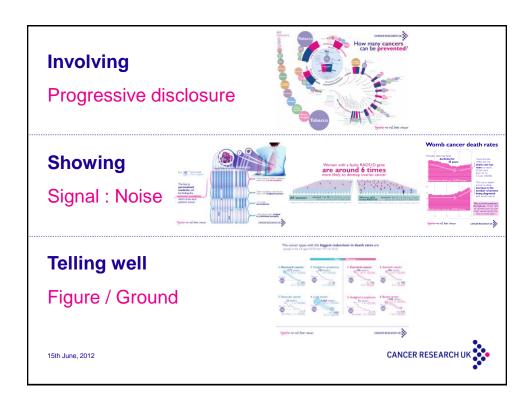
- Everything is split into foreground and background
- Foreground receives direct attention
- Background influences processing of foreground, and provides context

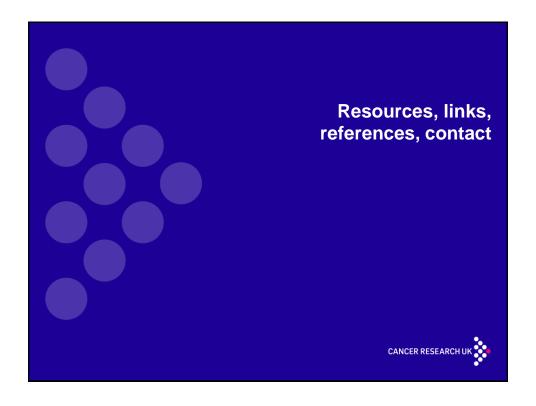
Visual hierarchy:

In what order will elements be attended to?

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Some lists of free tools that might help with DIY data visualisation:

The Guardian's top free tools (mostly quite user friendly):

http://www.guardian.co.uk/news/datablog/2012/mar/28/data-visualisation-tools-free

Another more detailed but older selection:

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

Another list of more advanced tools (most need programming ability):

http://selection.datavisualization.ch/

Free, fairly beginner-friendly design software (I mostly use Adobe Illustrator which is neither):

http://inkscape.org/

A visualisation of good visualisation sites, showcases and blogs:

http://moebio.com/datavisnetwork/

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Some good showcase sites:

http://www.fastcompany.com/tag/infographic-day

http://chartporn.org

http://infosthetics.com/

http://spatialanalysis.co.uk/

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Some good blogs:

http://flowingdata.com/

http://visual.ly/blog/

A good blog listing lots of other good blogs:

http://flowingdata.com/2012/04/27/data-and-

visualization-blogs-worth-following/



Some references...

Overviews of progressive disclosure, signal to noise ratio, figure/ground: (2010) Universal Principles of Design, Rockwell Press

Visual memory: Palmer (2002) Vision Science, MIT Press

Tangibility (aka grounded cognition): Barsalou (2008) Grounded Cognition, Annual Review of Psychology, Vol. 59

Map metaphor for knowledge: Landauer & Dumais (1997) A solution to Plato's problem: The latent semantic analysis theory of acquisition, induction, and representation of knowledge. Psychological Review, Vol 104(2)

Contact us

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Together we will beat cancer