

Assignment on Graph Decoding, Critique and Re-design

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Graph Decoding

The data items represent UK Treasury major categories Money spending amount in each category and budget deficit

The marks used for the data items are: areas, tree maps; every rectangle here represents one element in the data

The data attributes are: categorical, quantitative

The visual channels used are: Position, Size of area, Color, Shape and texture

Encoding strategy:

- categorical is encoded with area, shapes, and texture
- quantitative is encoded with different size of areas, color, positions

Graph Critique

Issue 1. The whole graph data set does not convey the intention or main message of the visualization.

Why – it is mind boggling, no meaningful order of significance, not help to convey the graph main message for easy understanding.

Issue 2. The color of the encoding does not help easy understanding the graph.

Why – for normal person the color choice seems random and bear no significant for categorical information, nor would help to simplify the decoding for easy understanding.

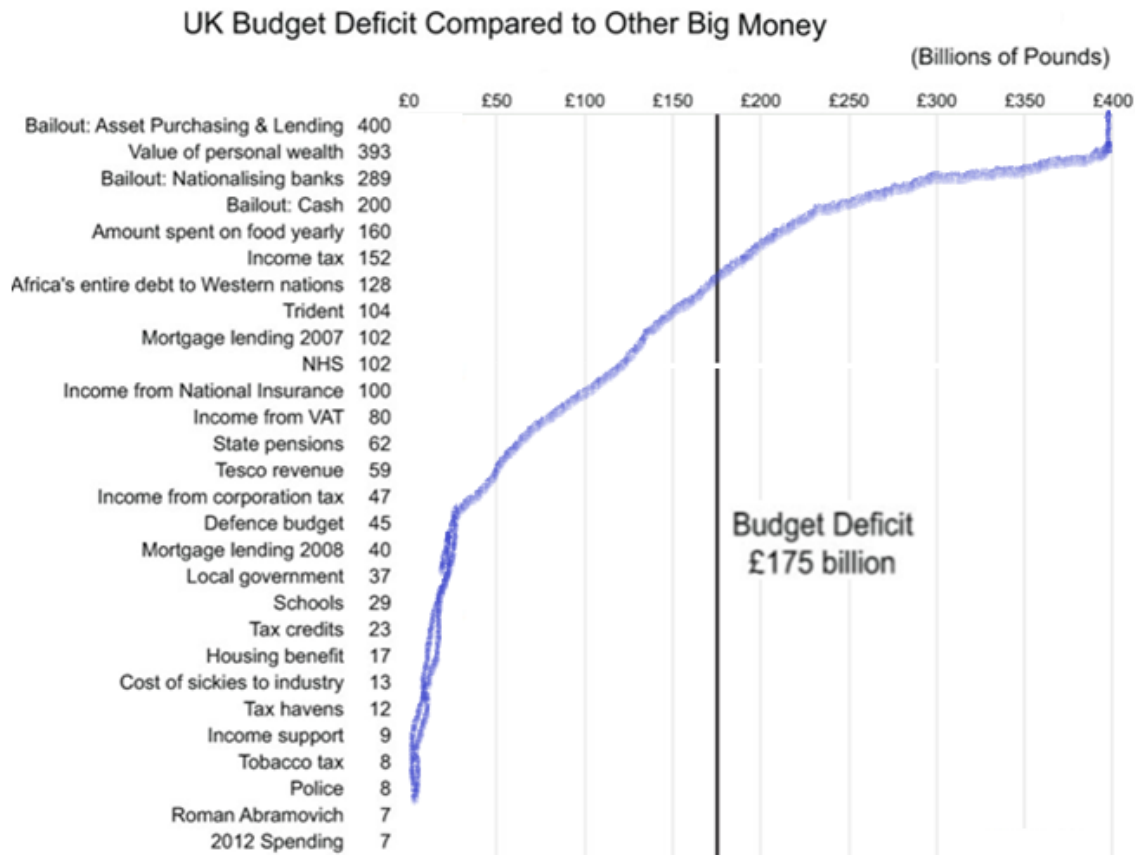
Issue 3. The location/position of the categorical data does not help easy understanding the graph, nor indicate the importance of the data.

Why – the location/position choice seems random and bear no significant for categorical information, nor would help to simplify the decoding for easy understanding.

Issue 4. The texture / font size is not effective

Why – The texture / font size is difficult to read and had to zoom in to understand the intention of categorical data, nor would help to simplify the decoding for easy understanding.

Graph Redesign



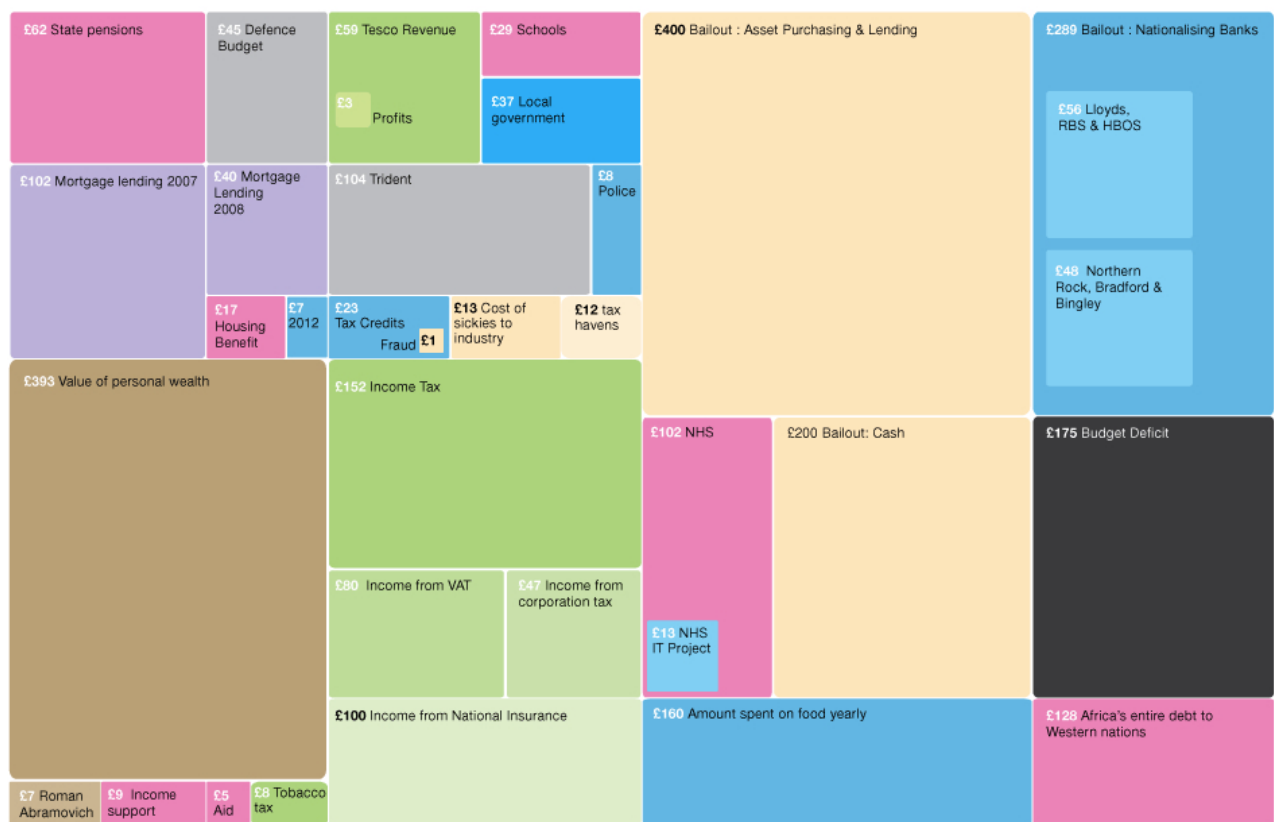
<How to read your sketch>

1. Stated Clearly the re-designed Graph Title for main message of UK budget deficit compared to other big amounts of money
2. Budget deficit and its amount and black line re-draw in the center for effective and expressive representation of main message for quick comparison.
3. Use line char and sequential size from top to bottom to indicate the amount of money
4. Categorical on the left with clear text and quantitative number for easy understanding

<Summary>

My re-design graph should be effective, expressive, and self-explanatory and clearly convey the main message of UK budget deficit significance comparison. Simple design servers easy understanding.

Original Graph: David McCandless' chart "The Billion Pound-O-Gram"



The Billion Pound-O-Gram

David McCandless / InformationIsBeautiful.net

■ Giving
 ■ Spending
 ■ Fighting
 ■ Hoarding
 ■ Lending
 ■ Bailing
 ■ Earning

Source: UK Treasury, Guardian