Superheat

Extending heatmaps for the visualization of complex data

Rebecca Barter

(package developed together with Bin Yu)

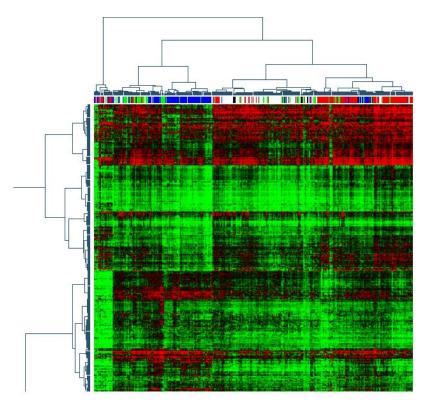
@rlbarter

Materials available on Github:

https://github.com/rlbarter/R-Ladies-Superheat

9	5	1	10		
9	6	6	3		
4	9	7	0		
8	5	5	2		
3	0	10	9		

Heatmaps in bioinformatics

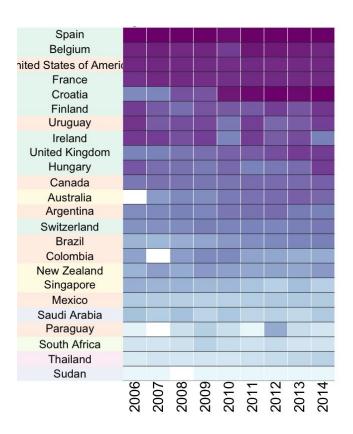




A superheat example:

Organ donation trends

*Data from UN

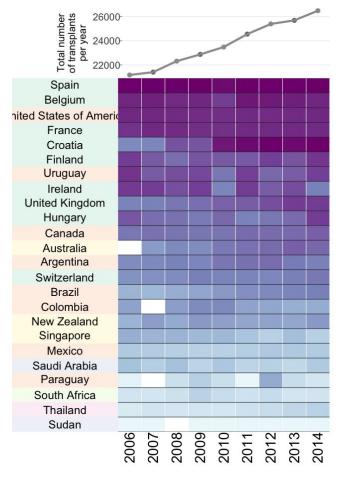




A superheat example:

Organ donation trends

With a trendline





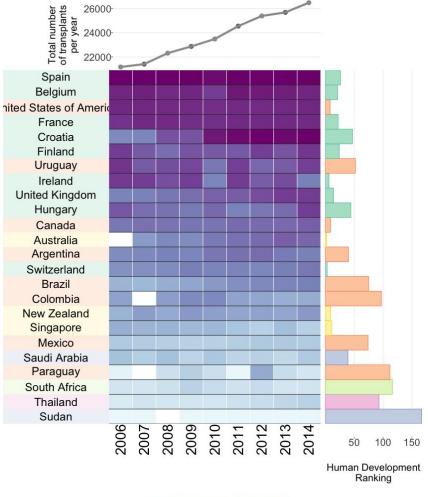
A superheat example:

Organ donation trends

With a trendline

and

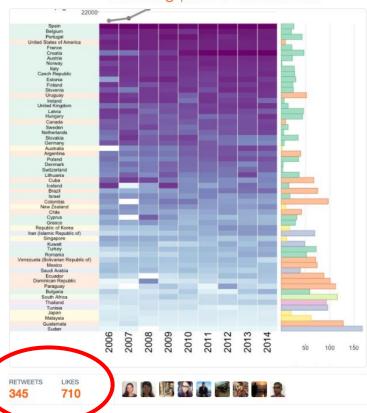
Country **HDI**

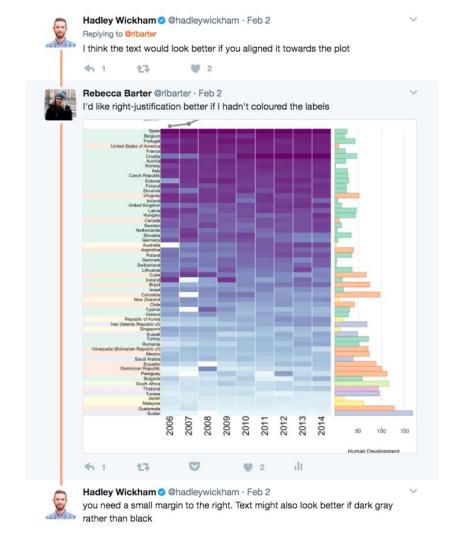






My paper on R package, Superheat, designed for creating beautiful and extendable heatmaps now on arXiv: arxiv.org/pdf/1512.01524...

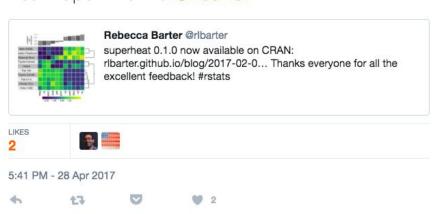






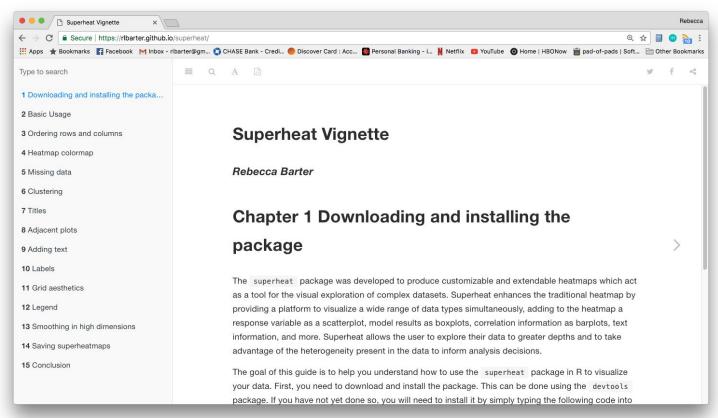


this is the best thing to come to R since ggplot2. FINALLY a great way to make sensible and pretty heatmaps. Thanks @rlbarter!

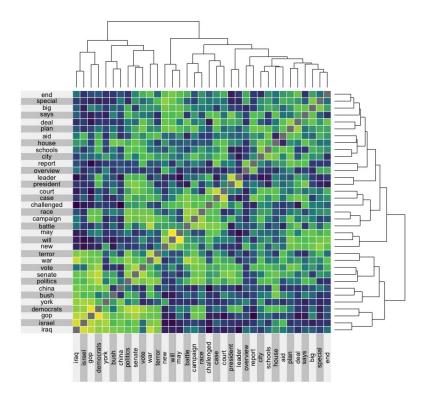


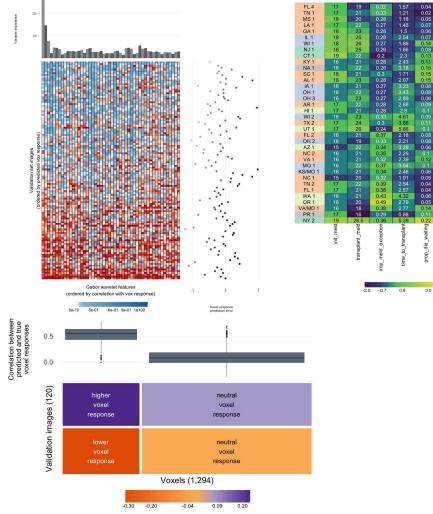


Crazy detailed vignette (<u>rlbarter.github.io/superheat/</u>) made with bookdown & github pages!



Other examples





Where to find superheat?

Because I know that you all really, really want to use it for your data exploration adventures!

Currently available on:

CRAN, GitHub

github.com/rlbarter/superheat
(detailed vignette!)

Barter and Yu (2017), Superheat: An R package for creating beautiful and extendable heatmaps for visualizing complex data

https://arxiv.org/abs/1512.01524