Superheat
Extending heatmaps for the visualization of complex data

Rebecca Barter (with Bin Yu)

BIDS & Department of Statistics,
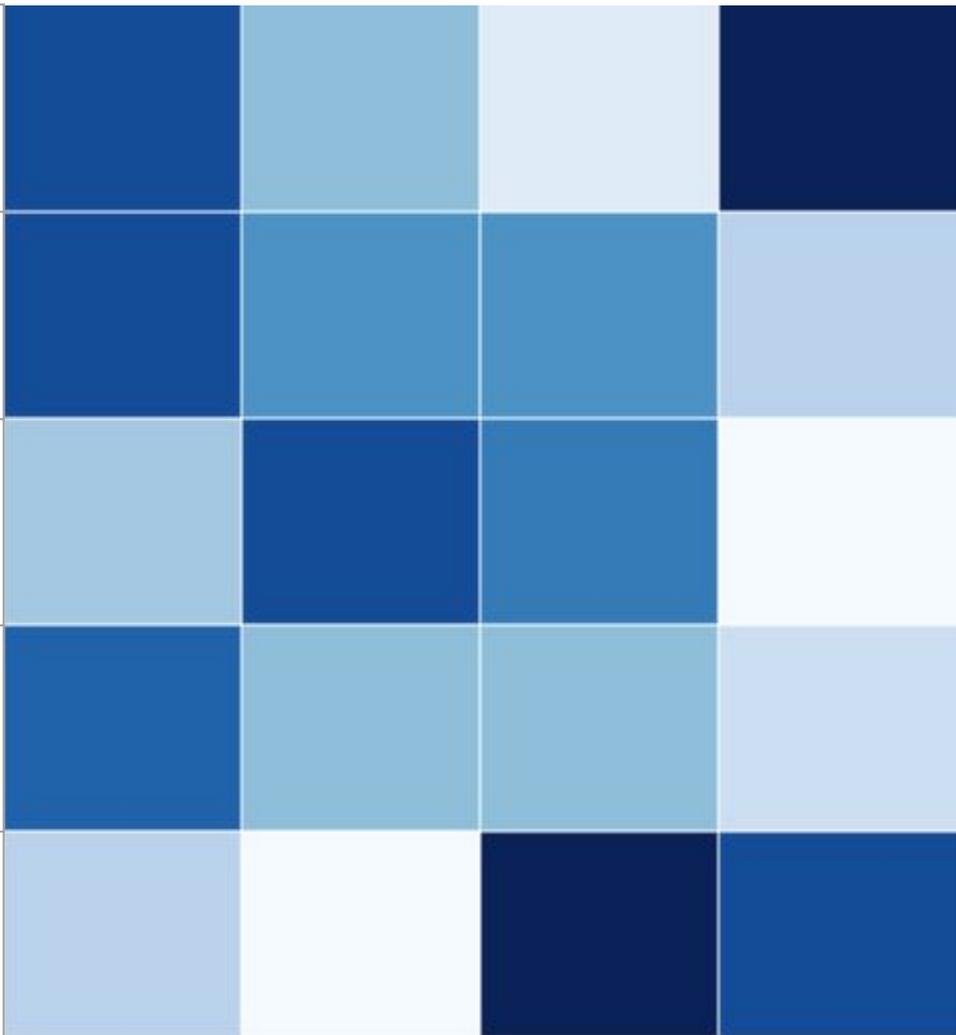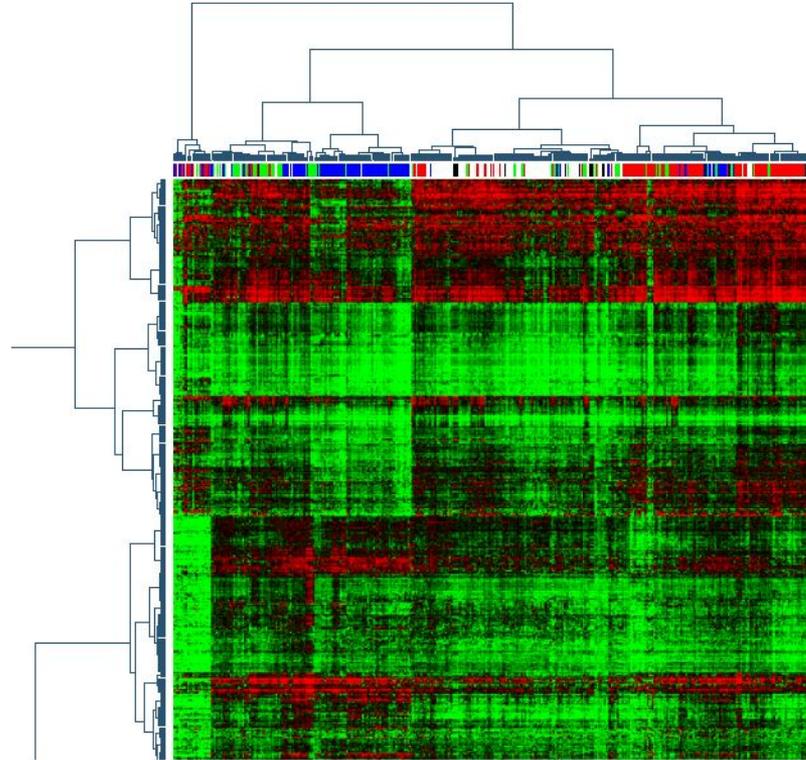University of California, Berkeley
BIDS Faire May 2017

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

Heatmaps in bioinformatics

Superheat to the rescue!

A superheat example:

Organ donation trends

*Data from UN

A superheat example:

Organ donation trends

With a **trendline**

A superheat example:

Organ donation trends
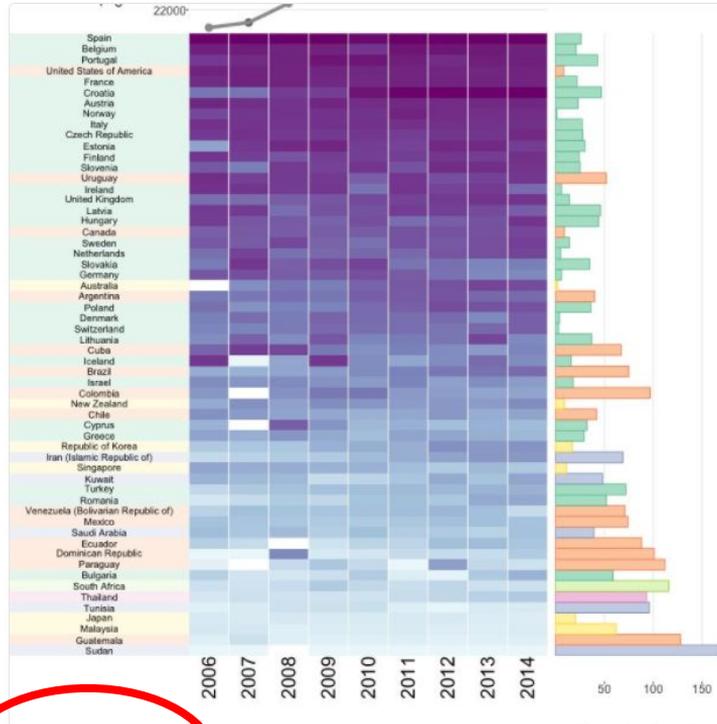
With a **trendline**

and

Country **HDI**

Rebecca Barter
@rlbarter

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

Hadley Wickham ✔ @hadleywickham · Feb 2
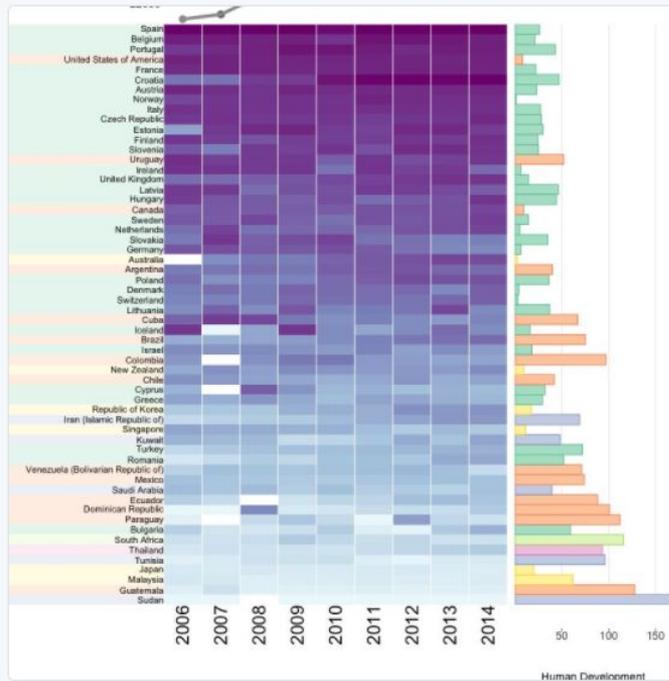Replying to @rlbarter

I think the text would look better if you aligned it towards the plot

↩ 1   ⇄   ♡ 2

Rebecca Barter @rlbarter · Feb 2

I'd like right-justification better if I hadn't coloured the labels

↩ 1   ⇄   ♡   ♥ 2   ᴸ

Hadley Wickham ✔ @hadleywickham · Feb 2

you need a small margin to the right. Text might also look better if dark gray rather than black

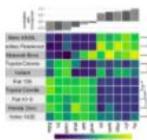**Emily Jane Dennis**
@emilyjanedennis

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

Rebecca Barter @rlbarter
superheat 0.1.0 now available on CRAN: rlbarter.github.io/blog/2017-02-0... Thanks everyone for all the excellent feedback! #rstats
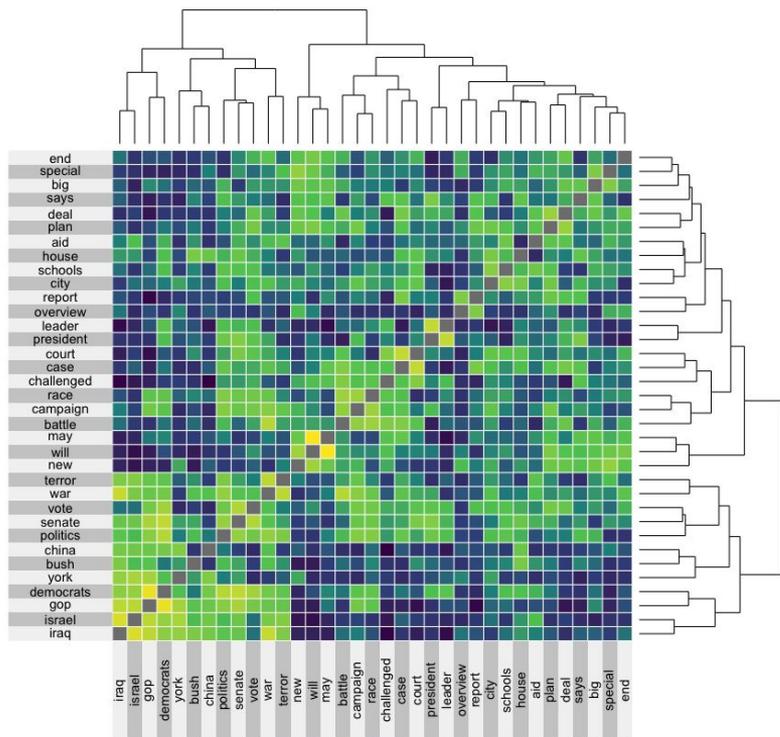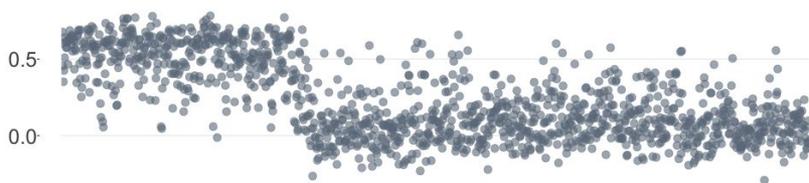
LIKES
2

5:41 PM - 28 Apr 2017
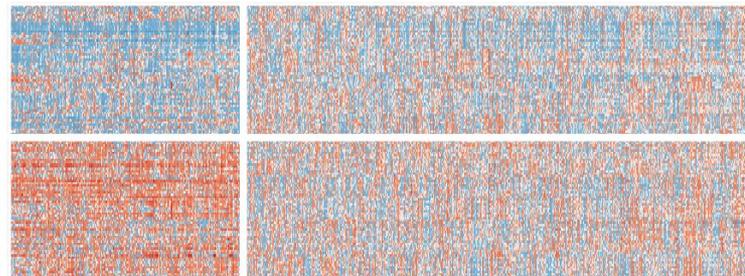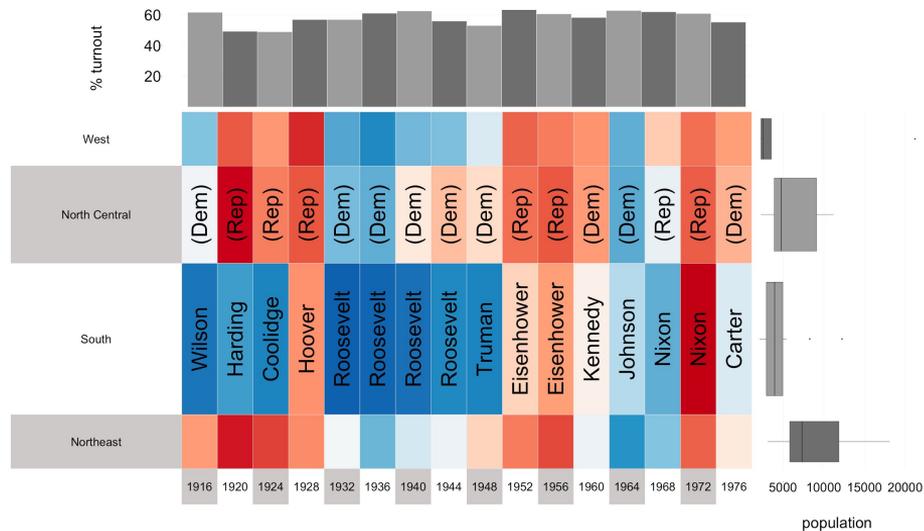
2

Tweet your reply

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