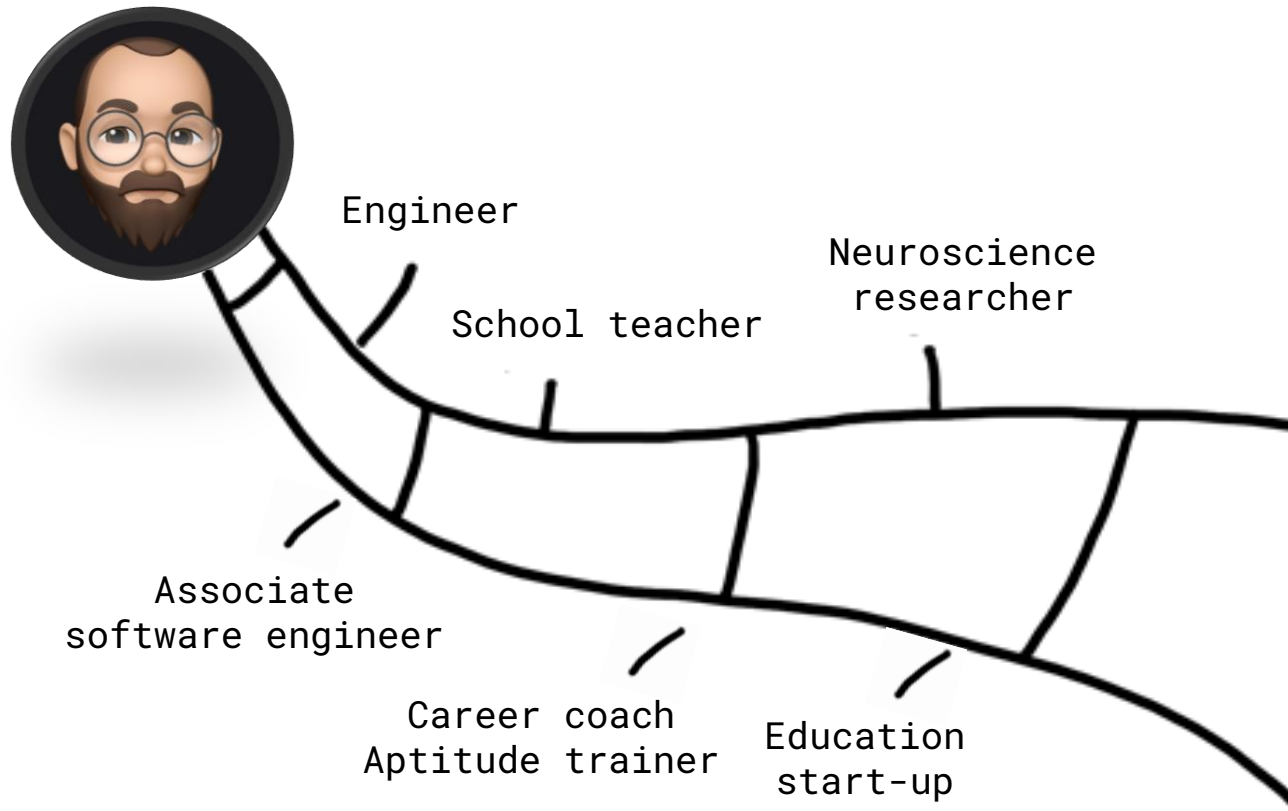




Looking back at my R journey <-

Rahul Venugopal
PhD Scholar
Center for Consciousness Studies
NIMHANS, Bengaluru, India



Journey cartoon inspired by Heidi Seibold's talk slide

How was your R journey?



Why was my journey so rough?



Say 'programming is easy'
one more time

Don't **assume**

Setting path

Installing library

Naming conventions

Tidy format

etc

etc

etc



How to start an 'automatic start' scooter?

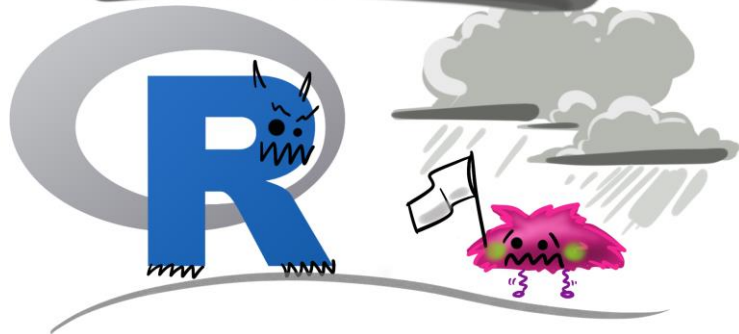


Base R vs Tidyverse vs Both



R & stats illustrations by @allison_horst

at first I was like...



...but now it's like...



Example based learning – Demo 1

AcqYear	Born	Capture	Rescue	Total
1938	0	5	0	5
1939	0	7	0	7
1940	0	0	0	0
1941	0	0	0	0
1942	0	0	0	0
1943	0	0	0	0
1944	0	0	0	0
1945	0	0	0	0
1946	0	3	0	3
1947	1	0	0	1
1948	1	0	4	5
1949	1	3	0	4
1950	0	2	1	3
1951	0	1	0	1
1952	0	2	0	2
1953	4	1	0	5
1954	1	0	0	1
1955	4	7	0	11



Tweet



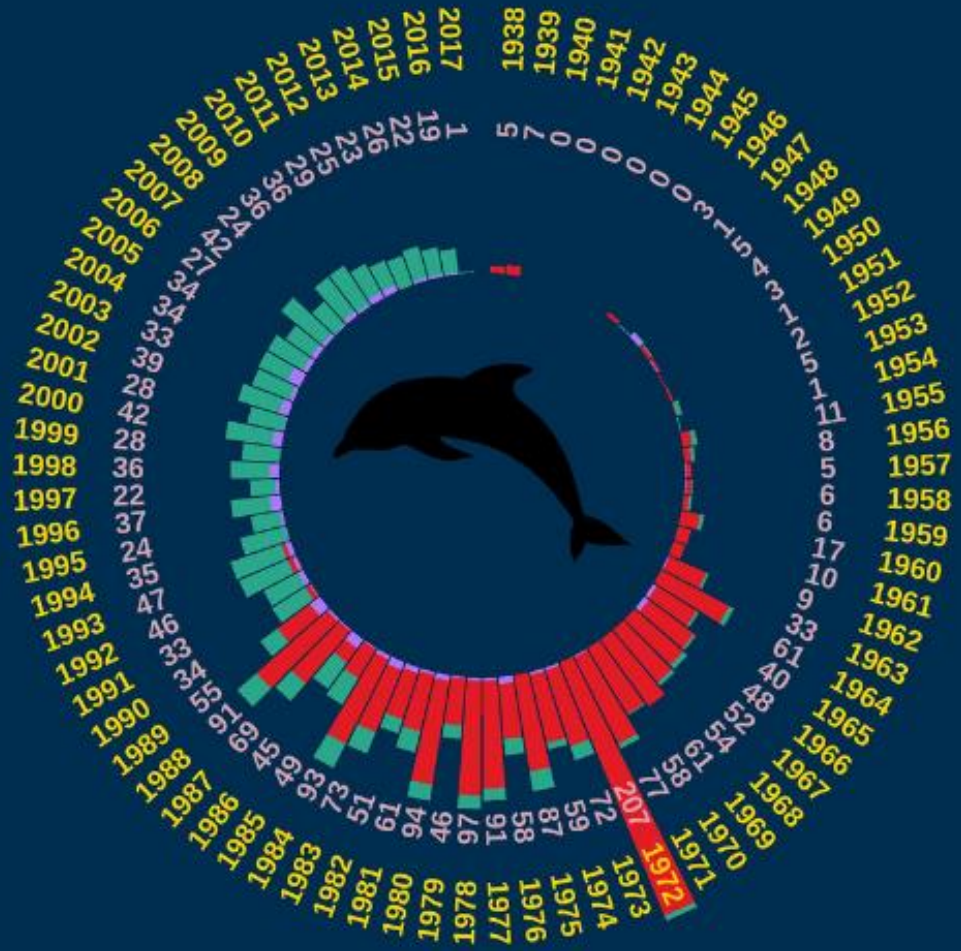
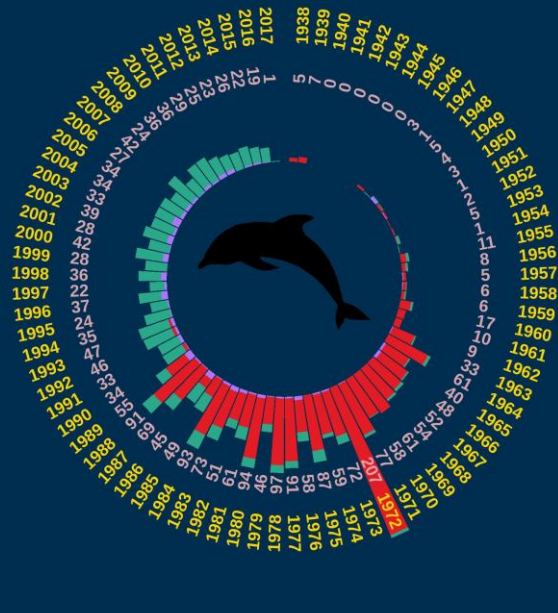
Royal Belgian Society of Zoology
@RBSZ3



Remember our DataViz Workshop Series and the ensuing DataViz Challenge? 📊📈 Our host, @CedScherer, reviewed your submissions and picked our winners! 🏆🎉👏 Congratulations to our first prize winner 🏆 @rhIvenugopal ! #DataViz #DataVizChallenge #TidyTuesday

For a whale or dolphin to reside under human care, it must have been **captured** from the ocean, **born** in captivity, or **rescued**

This dataset provides **aggregate counts** of whales and dolphins that joined the US captive animal population, along with their acquisition methods, between **1938** and **2017**

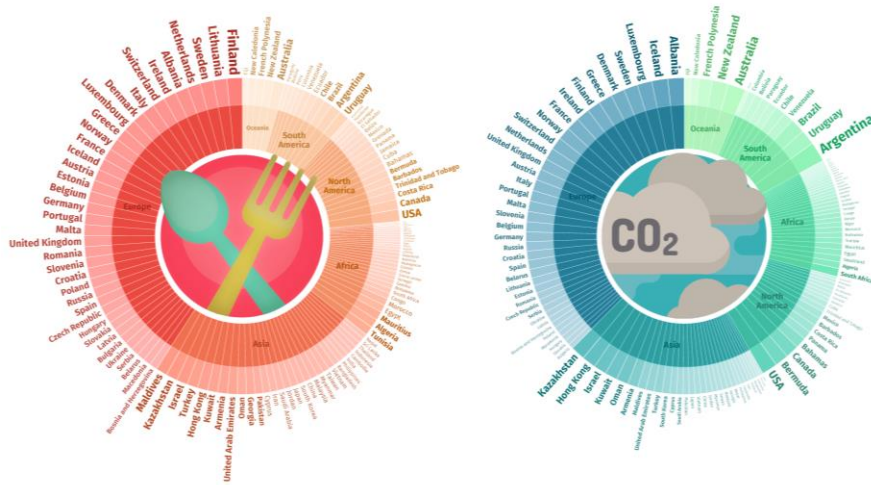


I've got to look out for Willy and I've got to do what's best for him -Free Willy

Inspiration

Food Carbon Footprint Index 2018

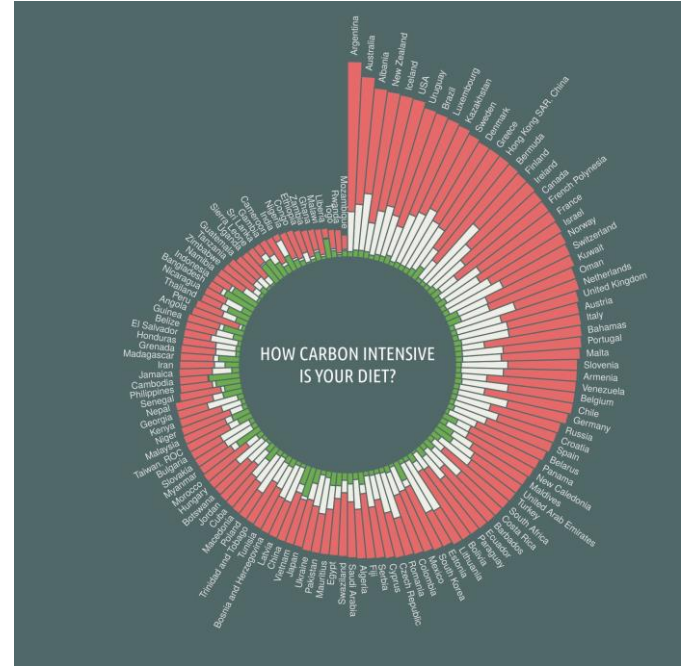
Global comparison of different diets in terms of **Average Consumption** (kg/person/year) of both animal and non-animal products as well as **Carbon Emissions** (kg CO₂/person/year) per continent and country. Font size and color intensity indicate each country's estimate with **countries printed in bold** belonging to the upper 50% of consumers and CO₂ emitters, respectively.



Visualization by Cédric Scherer • Data by Food and Agriculture Organization of the United Nations (FAO) via m1 • Icons by FreePik

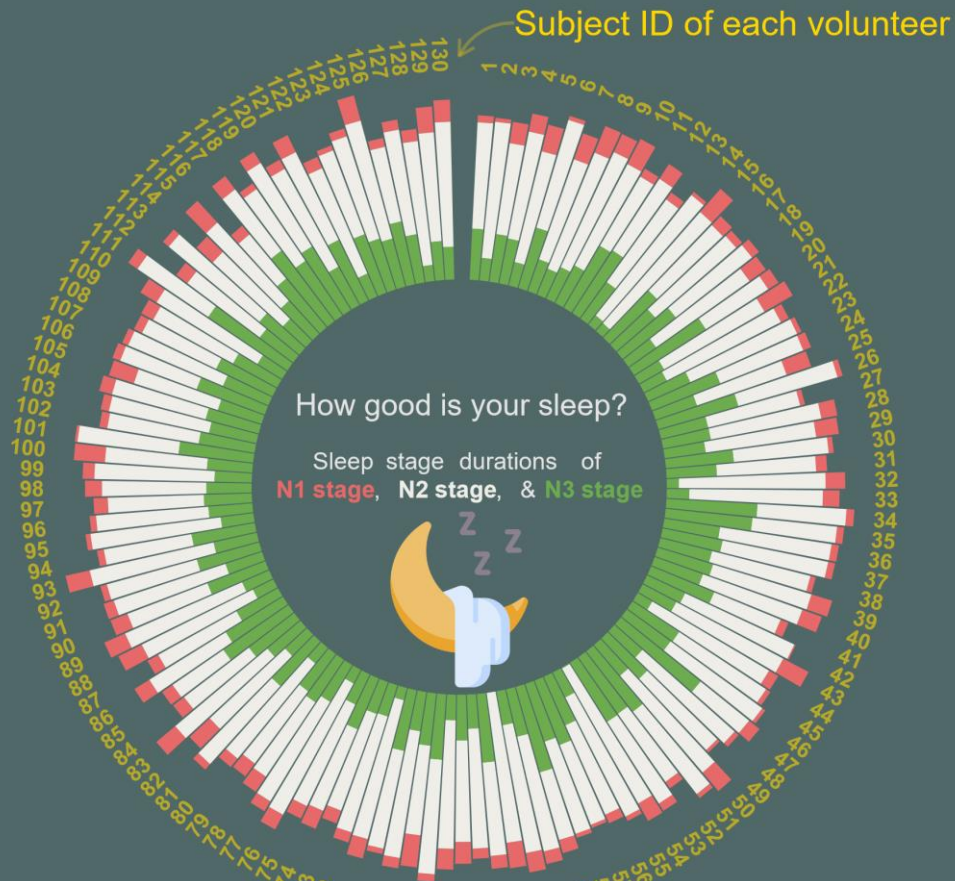


<https://github.com/z3tt>

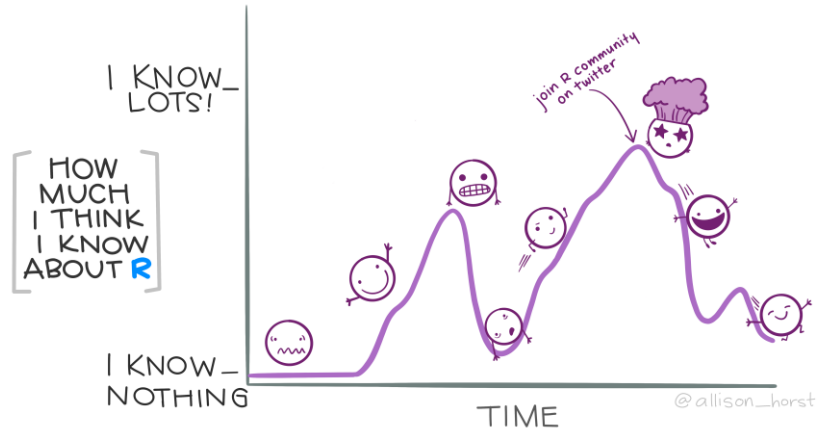


Jake Lawlor and Art Poon

Subject ID of each volunteer



Visualisation: Rahul Venugopal



Using R and Rstudio to do non-statistical stuff

So, you can use R to
create websites ah?



Centre for Consciousness Studies

Team Projects Publications Facilities Opportunities Connect Events Gallery 🔍 🌐

VISION

To be a global leader of excellence
in consciousness studies



have_you_met_rahul

About Research Blog **Gallery** 🔍 🌐



Be curious. Read widely. Try new things. What people call intelligence just boils down to curiosity!



Learning how to create an R package

BUILD **PASSING** LICENSE MIT FOLLOW @RHLVENUGOPAL 557 APPVEYOR **PASSING**

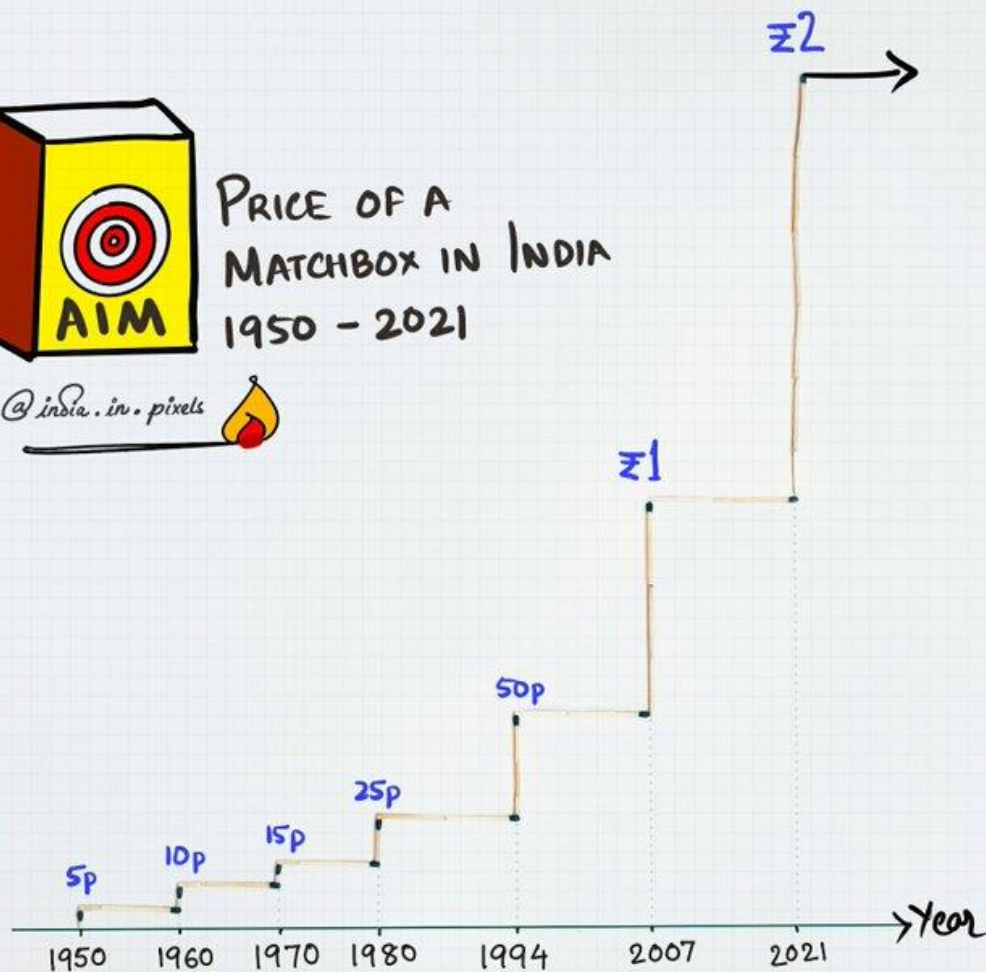
Packages are the fundamental units of reproducible R code ~ Hadley Wickham





PRICE OF A MATCHBOX IN INDIA 1950 - 2021

@india.in.pixels



How many matchboxes can we buy if we time travel with 2₹

After 14 years, the All India Chamber of Matches in Sivakasi decided to change the matchbox price from 1₹ to 2₹ because of rising costs and inflation

2021 -  1

2007 -  2

1994 -  4

1980 -  8

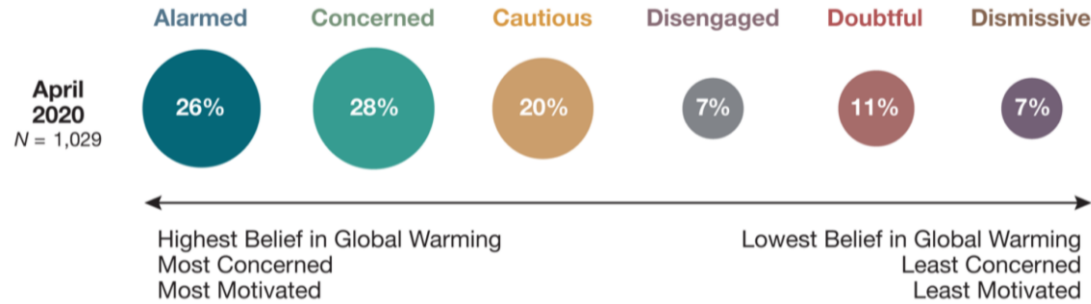
1970 -  13

1960 -  20

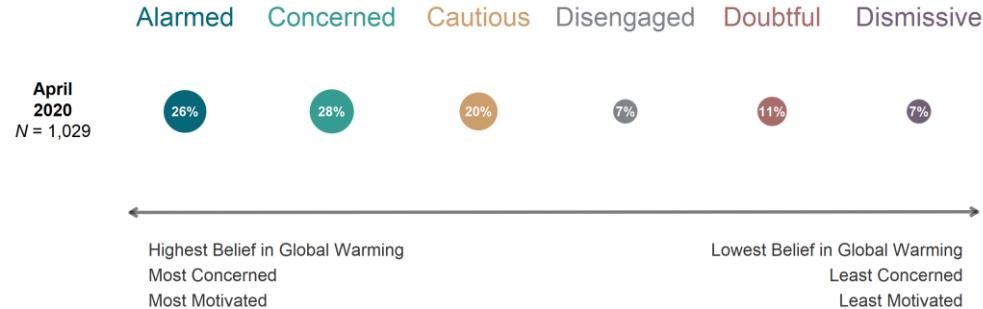
1950 -  40

Visualisation: Rahul Venugopal

Global Warming's Six Americas

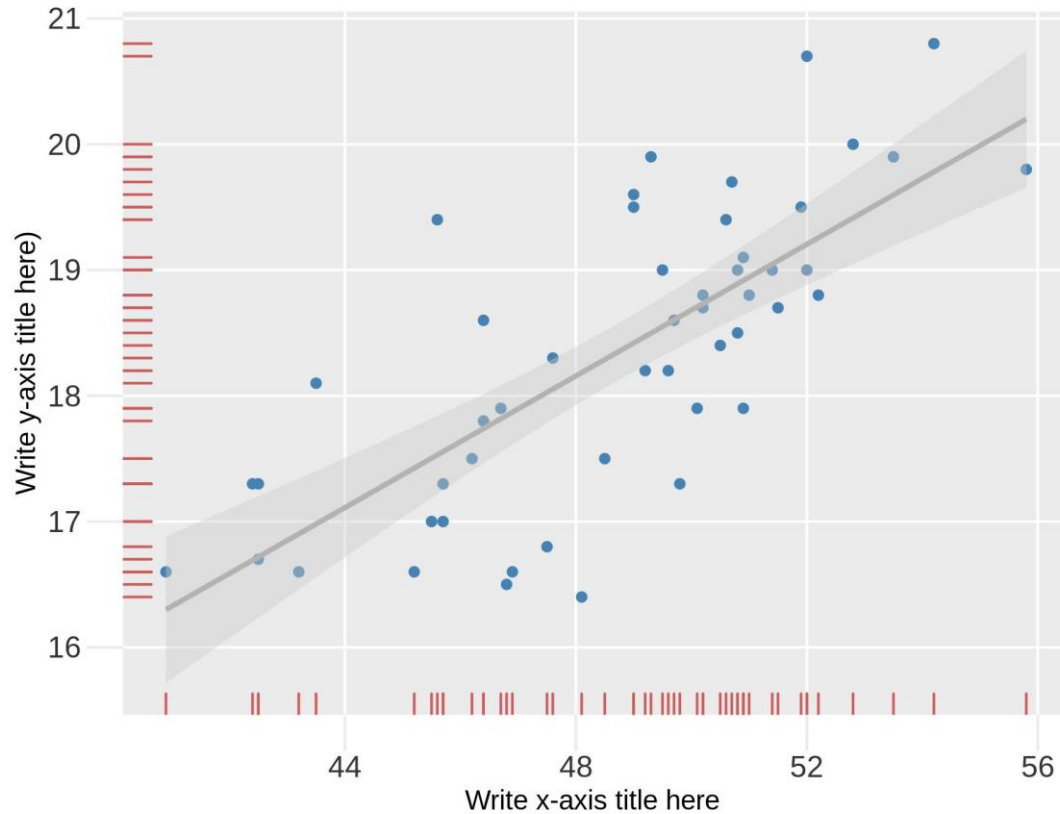


Global Warming's Six Americas



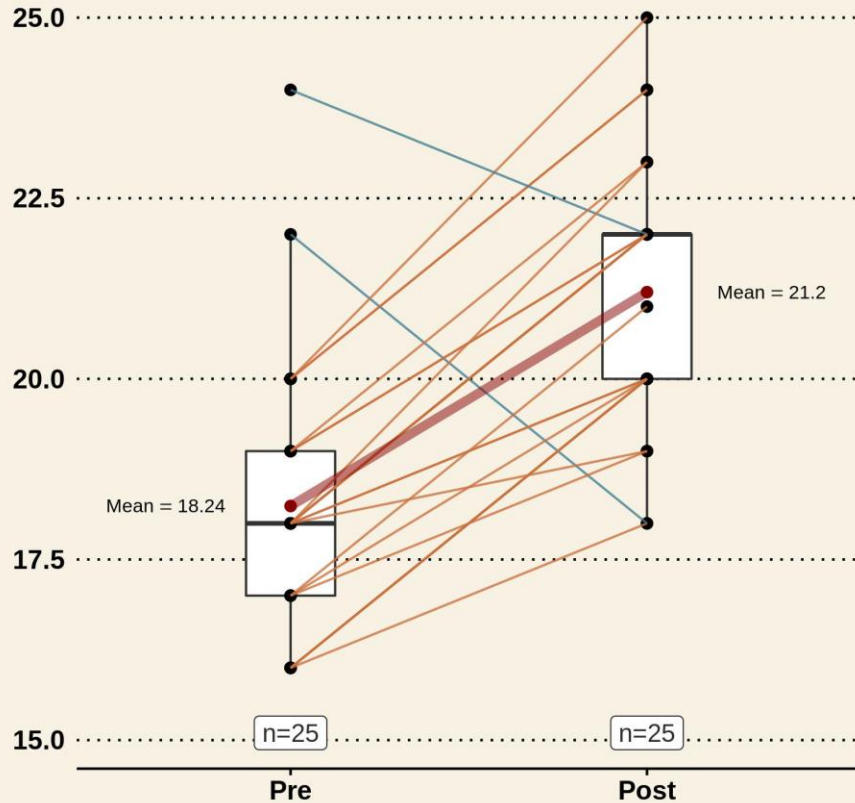
r value 0.74
p value 0
95% CI 0.6054 - 0.8478

Write a small sumamry here

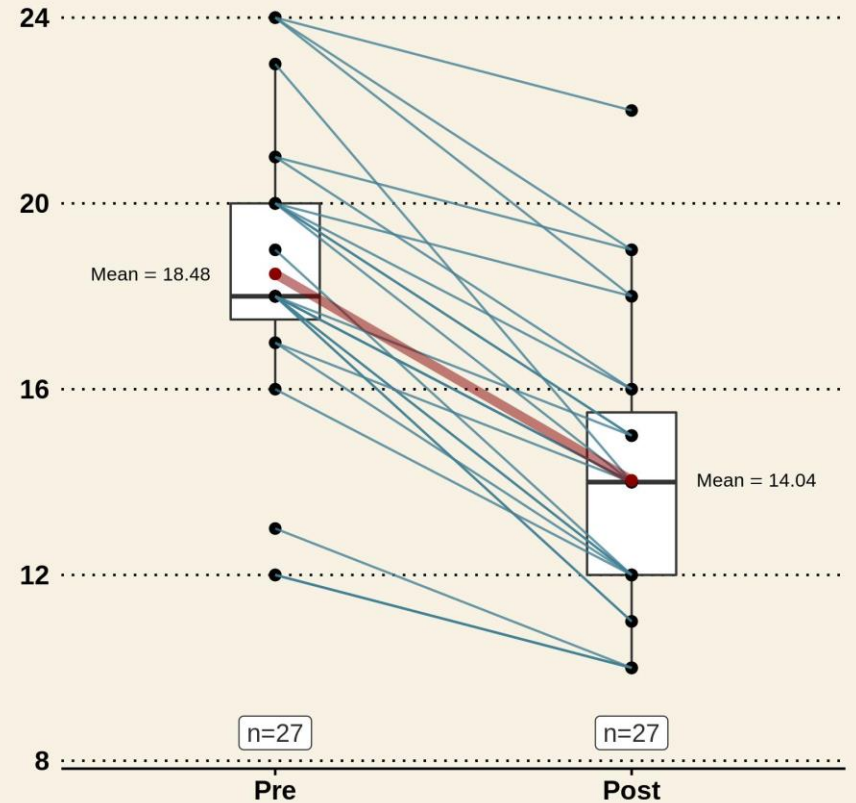


Paired slope lines

Perceived stress *increase* or *decrease* in control group

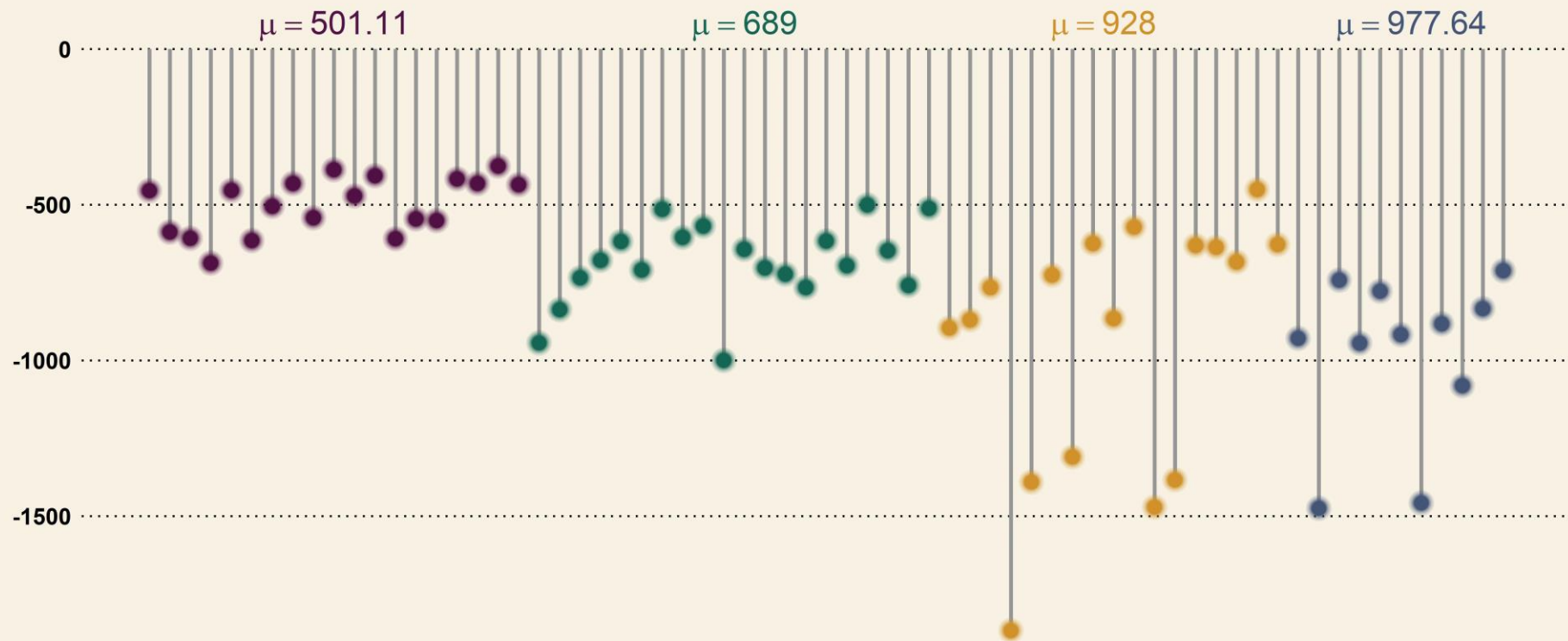


Perceived stress *increase* or *decrease* in study group

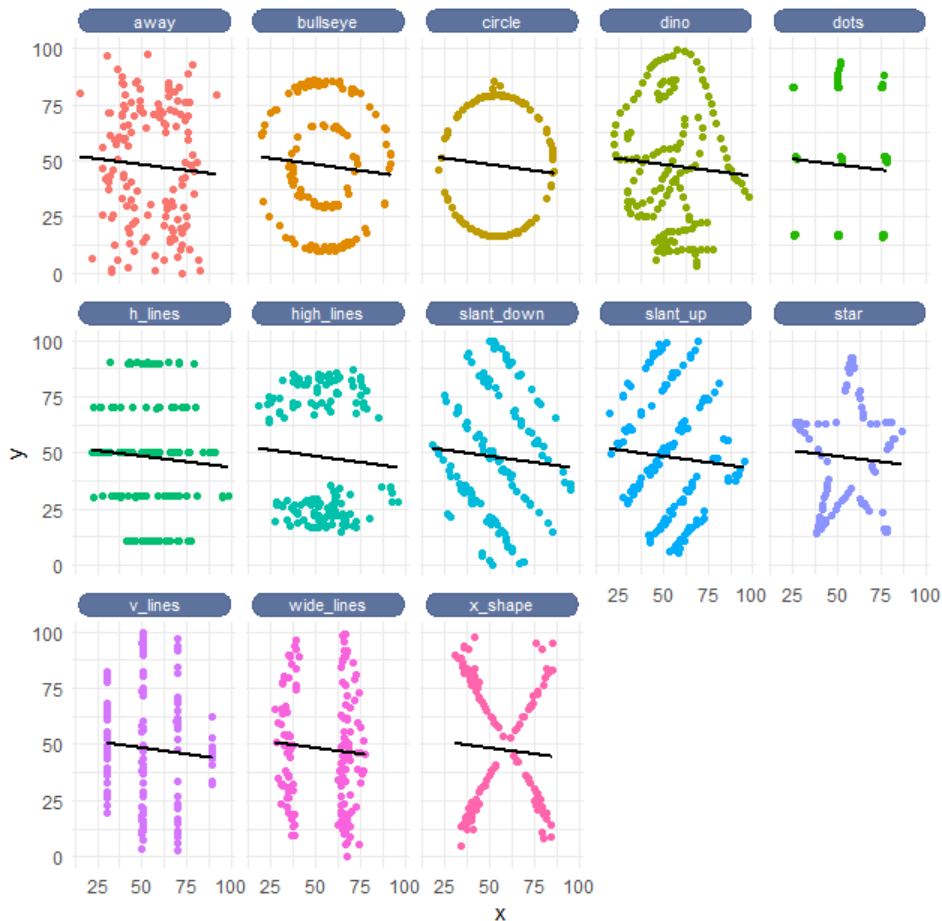


Reaction times across four conditions

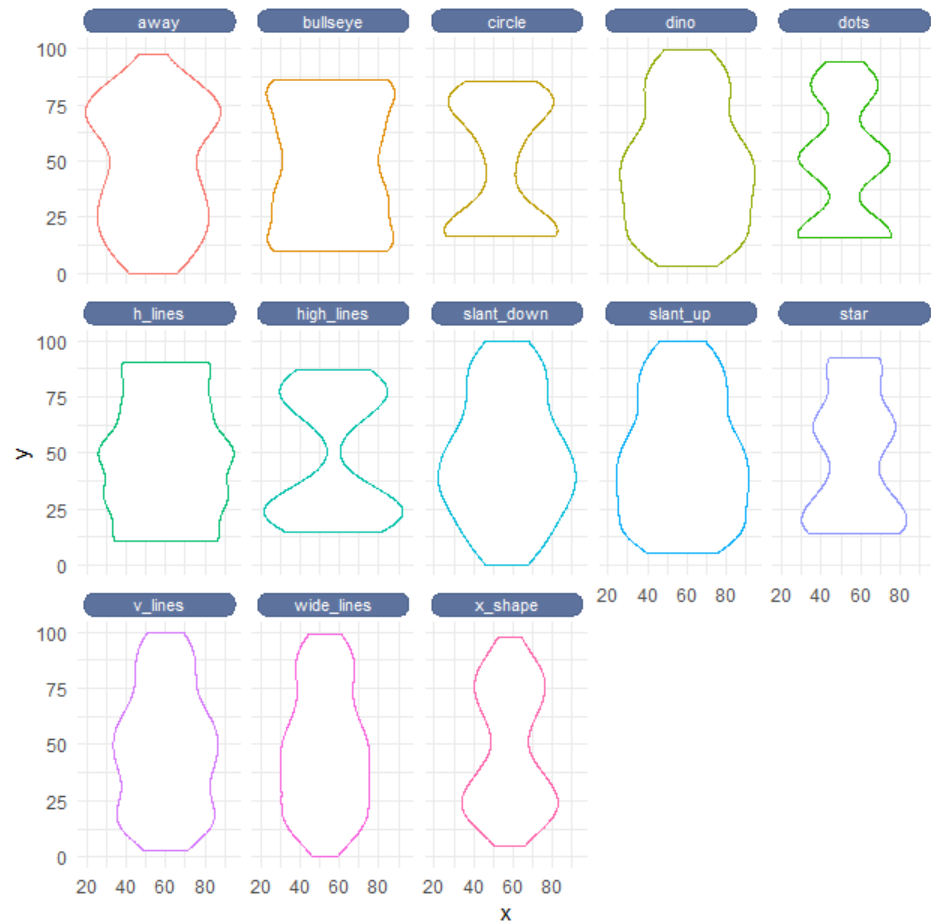
Self Congruent | Self Non-congruent | Non-self Non-congruent | Non-self congruent



Lies, damned lies, and statistics



Now you see me





Rahul Venugopal
@rhlvenugopal

...

Clearly, the areas are not scaled by the variable! What am I missing? [#ggplot2](#)
Calculated areas too based on radius as per pixels
[@hadleywickham](#) Could you help me



Rahul Venugopal
@rhlvenugopal

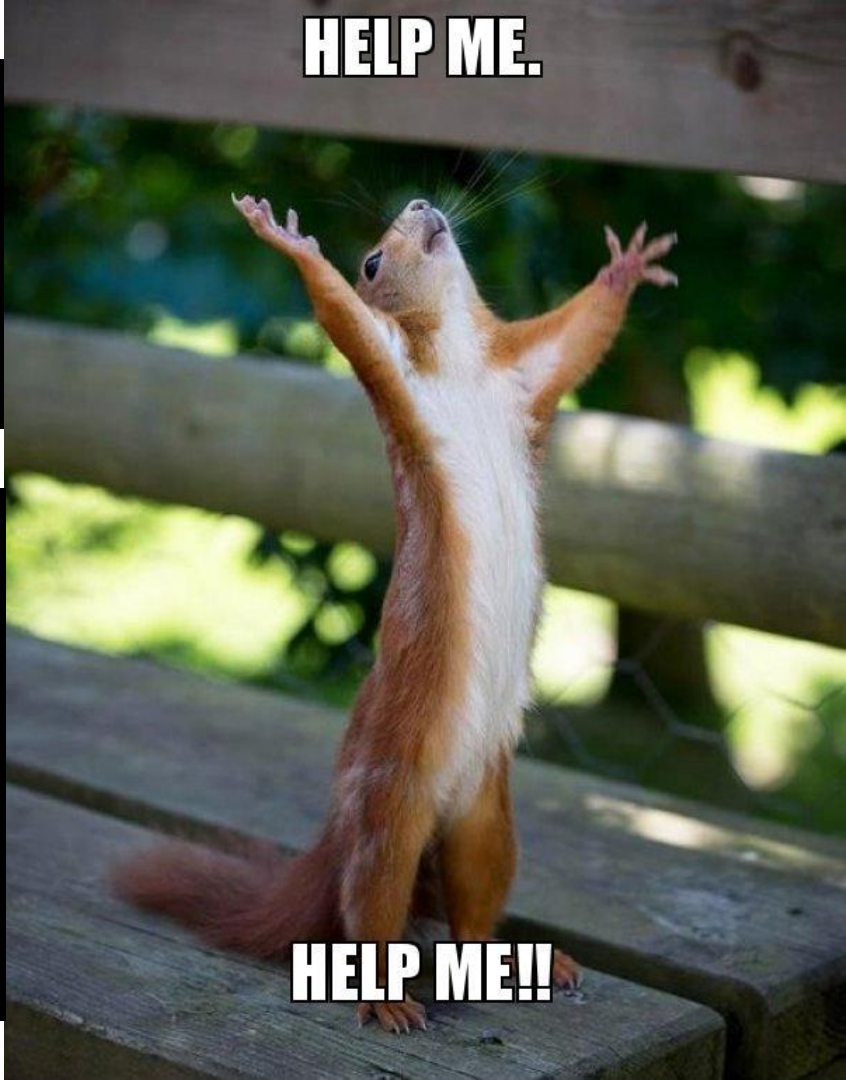
...

Can someone point to some great resources to teach/learn

- estimated marginal means
- contrast analysis vs post-hoc tests

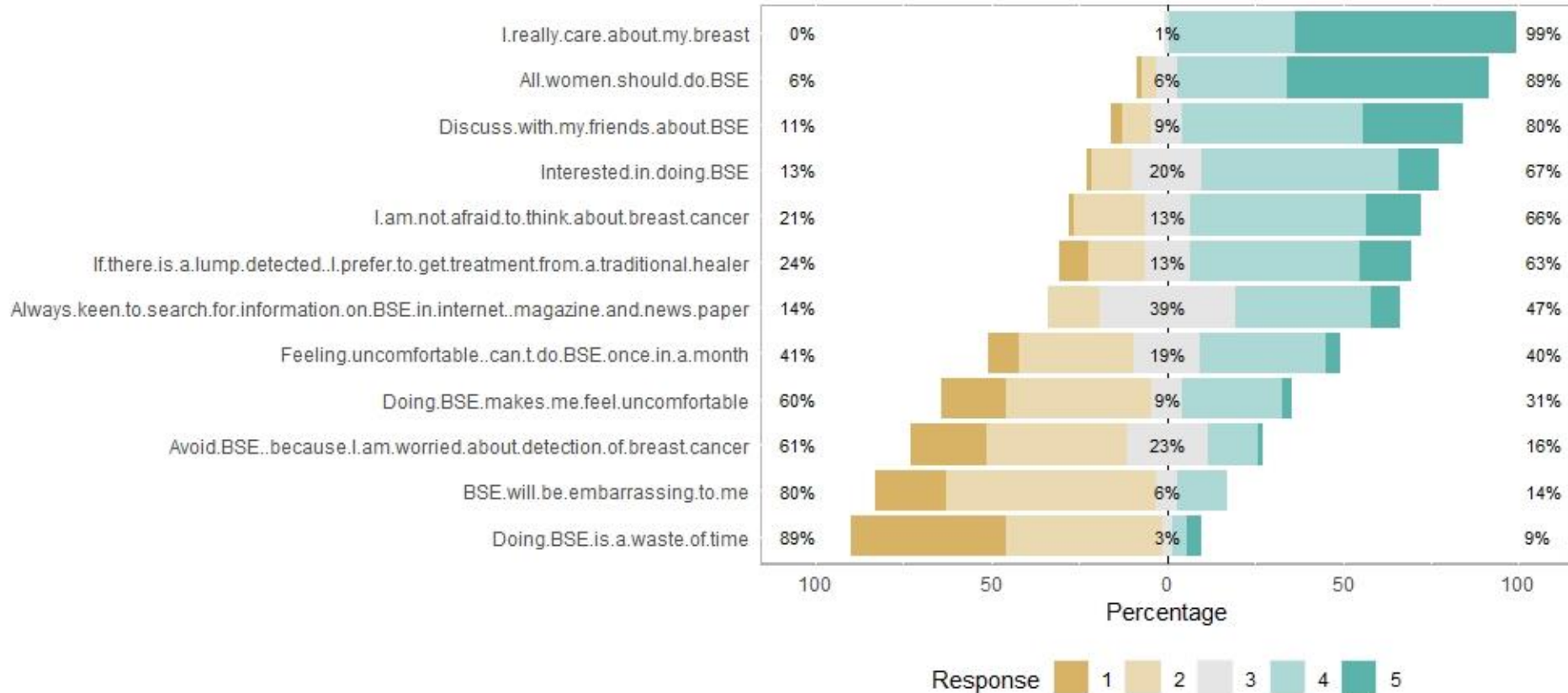
I am currently relying on [@easystats4u](#) s tutorials and examples. A huge shoutout to its developers
[#rstats](#) [#R](#) [#easystats4u](#)

HELP ME.



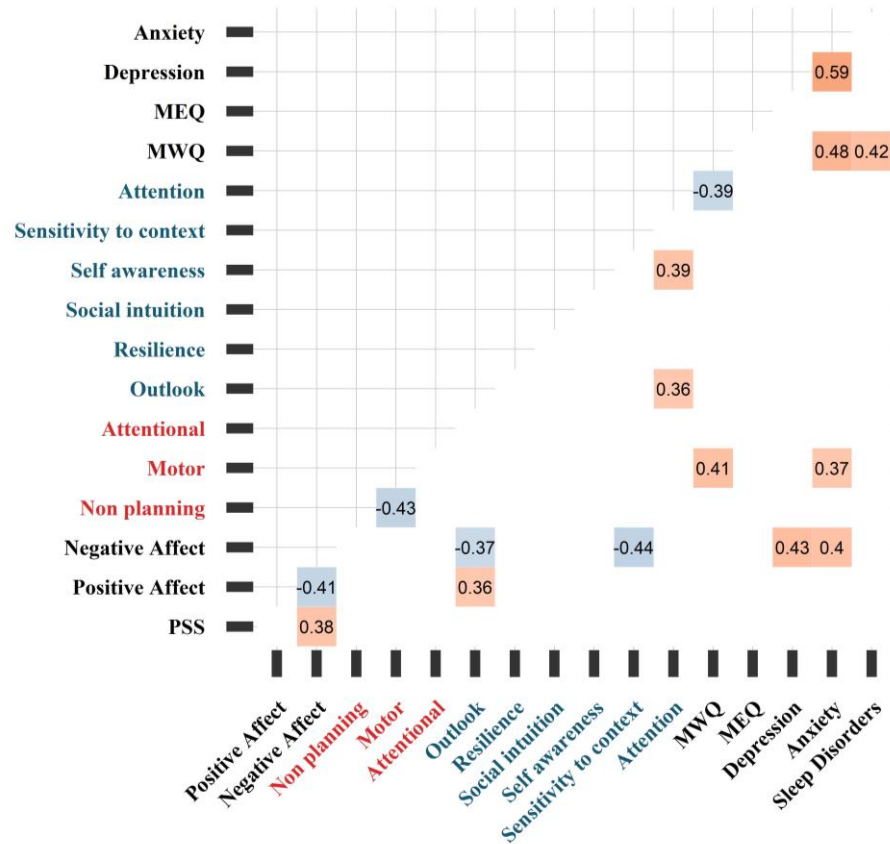
HELP ME!!

Survey analysis and visualisation



Survey analysis and visualisation

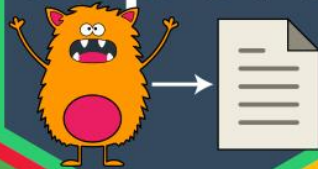
Correlations between all variables



modelbased



report



see



correlation



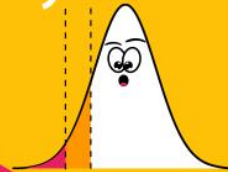
effectsize



easystats



bayestestR



insight



performance



parameters



datawizard





R Graph Gallery

