THE ONE THAT REBOOTED

JOHANNESBURG R USER GROUP

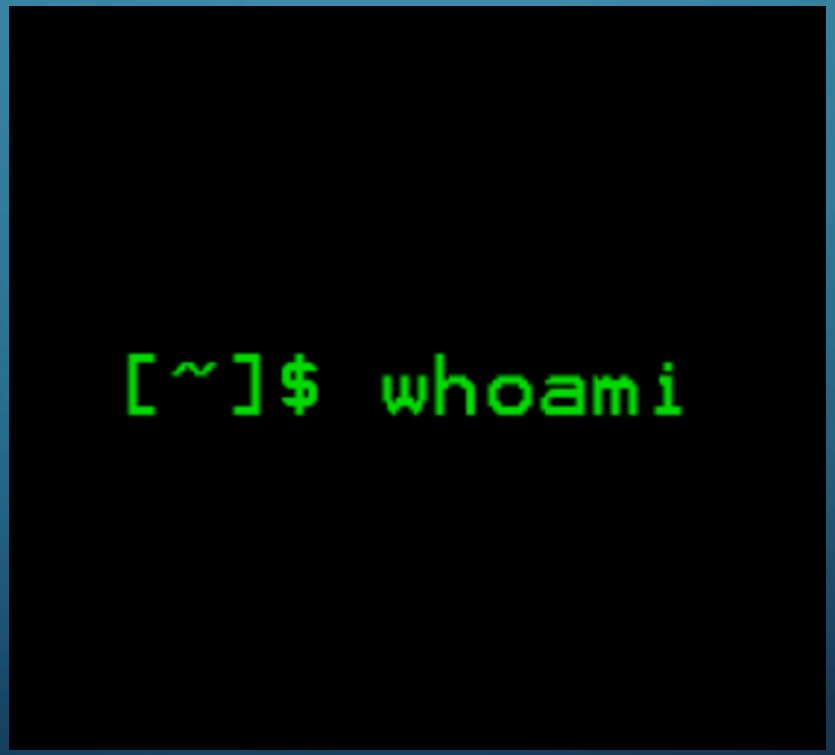
AGENDA

8:00 Networking and coffee

8:15 Introduction & R-Ladies

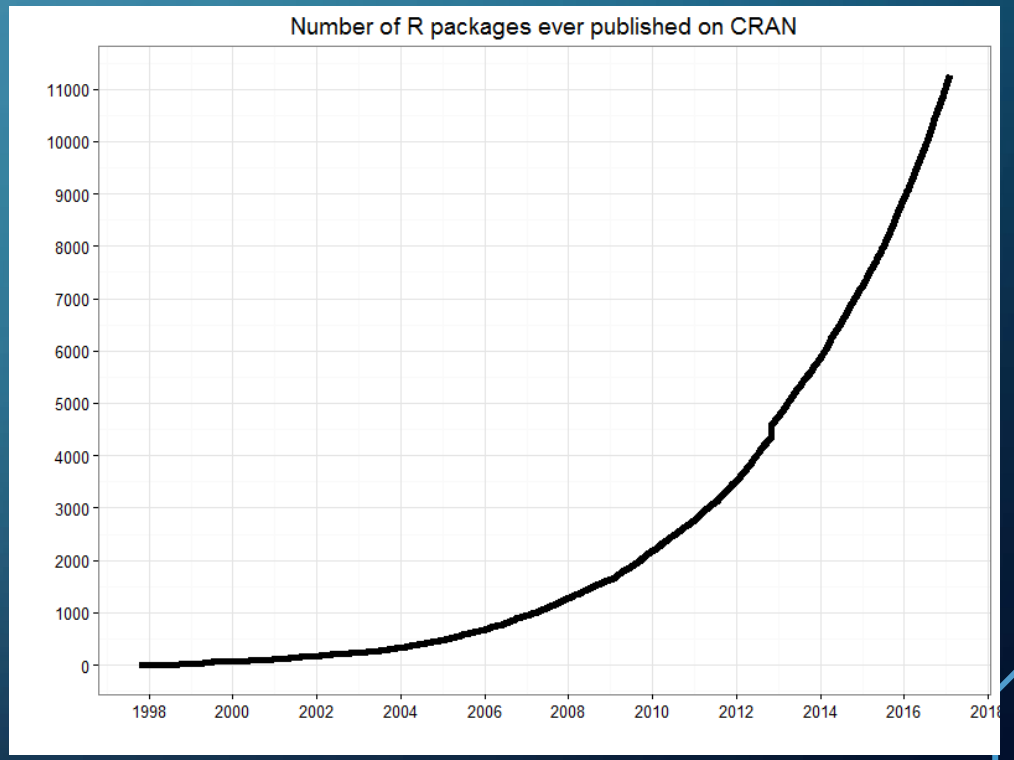
8:30 Robert Bennetto - Tidy geometries

9:30 Closing and next meeting


[~]$ whoami

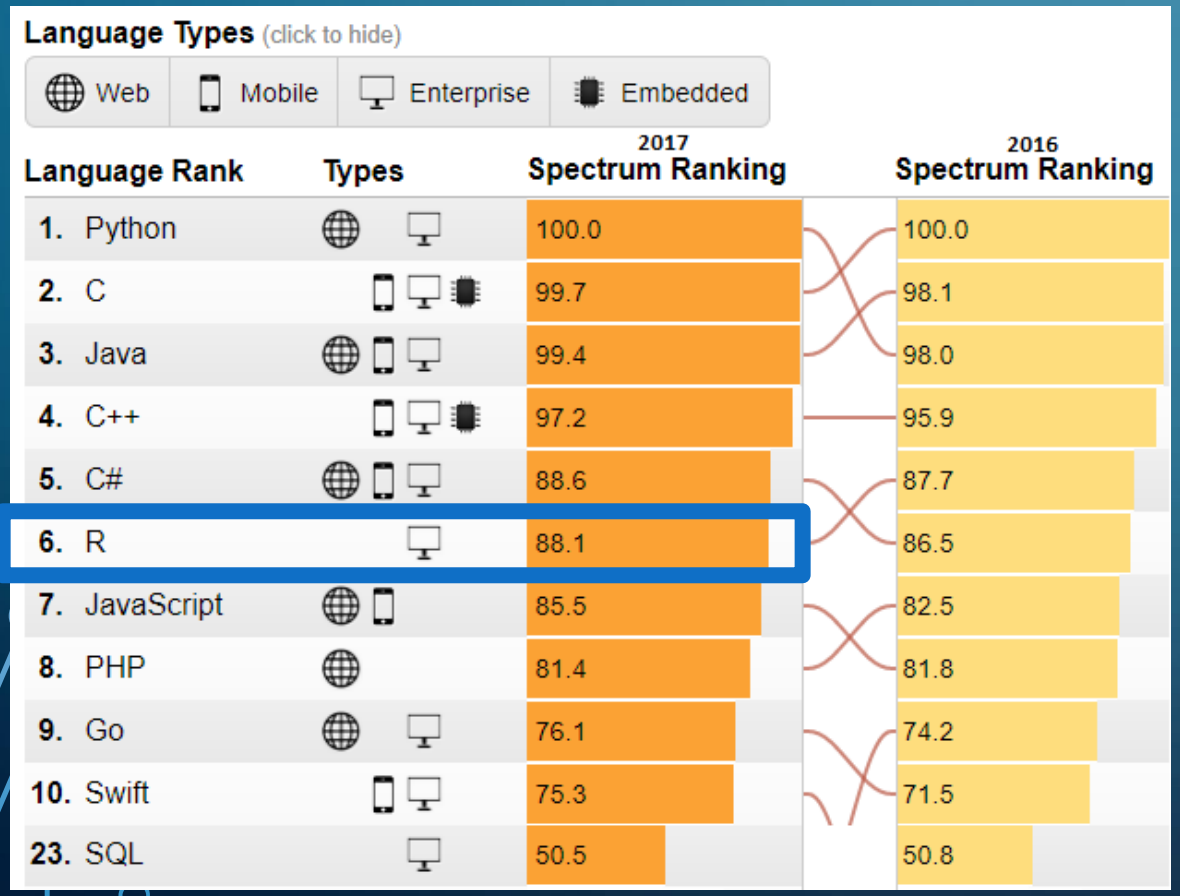
POWER OF R
R LANGUAGE + PACKAGES

- R is an open source language and environment for statistical computing and graphics.
- R is an open source (GNU) version of the S language developed by John Chambers et al. at Bell Labs in 80's
- R was initially written in early 1990's by Robert Gentleman and Ross Ihaka then with the Statistics Department of the University of Auckland



from: http://blog.revolutionanalytics.com/2017/01/cran-10000.html

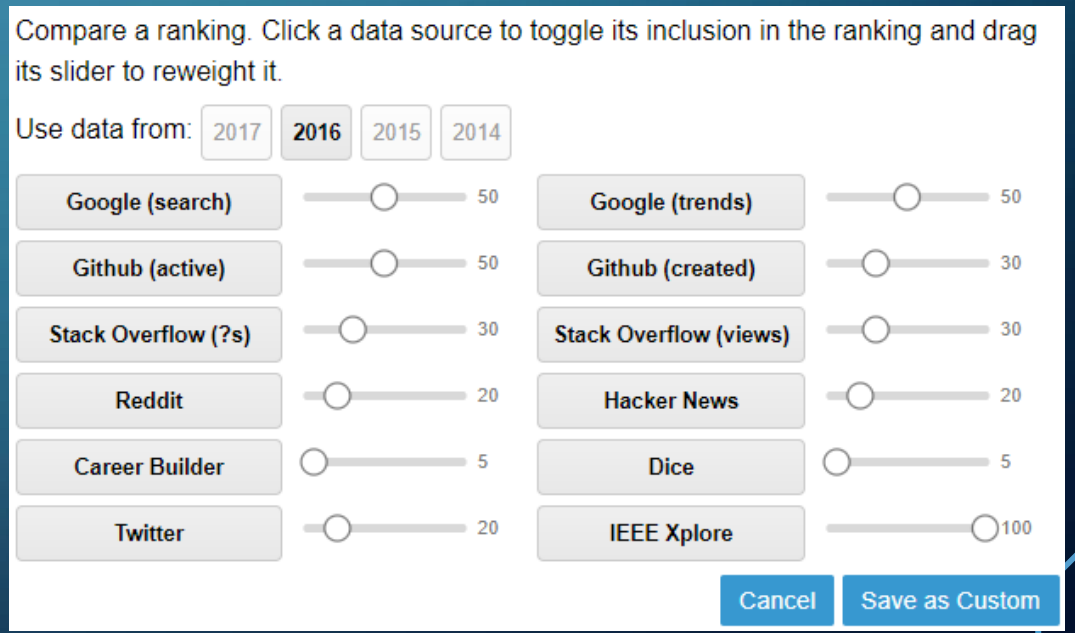
IEEE SPECTRUM TOP PROGRAMMING LANGUAGES



Language Types (click to hide)

Web | Mobile | Enterprise | Embedded

Language Rank	Types	2017 Spectrum Ranking	2016 Spectrum Ranking
1. Python	Web, Enterprise	100.0	100.0
2. C	Mobile, Enterprise, Embedded	99.7	98.1
3. Java	Web, Mobile, Enterprise	99.4	98.0
4. C++	Mobile, Enterprise, Embedded	97.2	95.9
5. C#	Web, Mobile, Enterprise	88.6	87.7
6. R	Enterprise	88.1	86.5
7. JavaScript	Web, Mobile	85.5	82.5
8. PHP	Web	81.4	81.8
9. Go	Web, Enterprise	76.1	74.2
10. Swift	Mobile, Enterprise	75.3	71.5
23. SQL	Enterprise	50.5	50.8



Compare a ranking. Click a data source to toggle its inclusion in the ranking and drag its slider to reweight it.

Use data from: 2017 **2016** 2015 2014

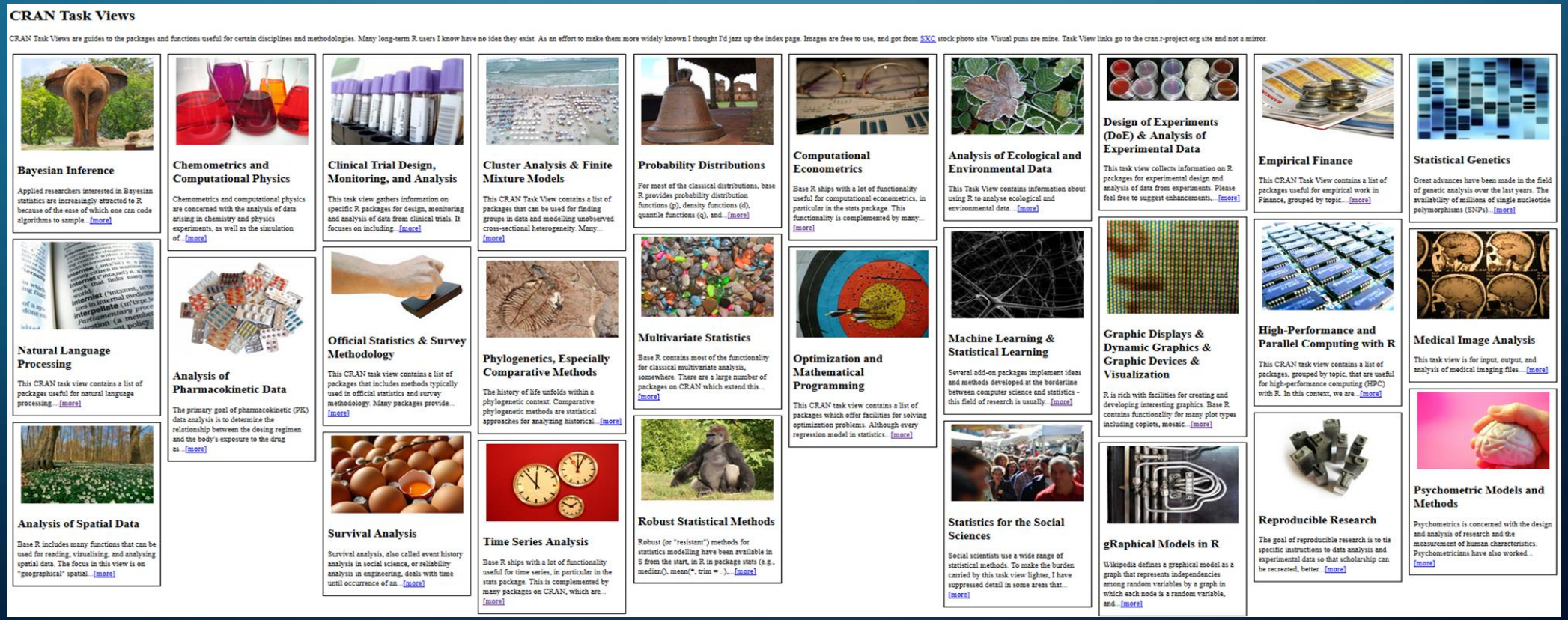
Google (search)	50	Google (trends)	50
Github (active)	50	Github (created)	30
Stack Overflow (?s)	30	Stack Overflow (views)	30
Reddit	20	Hacker News	20
Career Builder	5	Dice	5
Twitter	20	IEEE Xplore	100

Cancel | Save as Custom

from: https://spectrum.ieee.org/static/interactive-the-top-programming-languages-2017

POWER OF R
R LANGUAGE + PACKAGES

CRAN: 11 000+ Add-on packages for R



from: CRAN Task View by Barry Rowlingson: http://www.maths.lancs.ac.uk/~rowlings/R/TaskViews/

More packages on GitHub and BioConductor project

R is for hippies! ...(Quote from a SAS user)

...or perhaps nerds with a quirky sense of humor using words such as Cran-tastic, Cranberries, and useRs

Activities and programs include:

- Promoting the growth and development of R as a leading platform for data science and statistical computing.
- Funding projects to enhance R and support its users.
- Fostering the continued growth of R community and the data science ecosystem.
- Enabling the use of R in commercial environments, and fostering collaboration between companies investing in R.

from: https://www.r-consortium.org/about

R Foundation Member

Platinum Members

Gold Members

Silver Members

THE R ECOSYSTEM

R Core Group

#rstats

CRAN

R-bloggers

Bioconductor
OPEN SOURCE SOFTWARE FOR BIOINFORMATICS

R User Groups

GitHub

R-Ladies

stackoverflow

RDocumentation

R consortium

Microsoft

RStudio

ROpenSci

software carpentry

rOpenGov

from: https://www.slideshare.net/RevolutionAnalytics/r-then-and-now

CODE OF CONDUCT

A member of the R Community is:

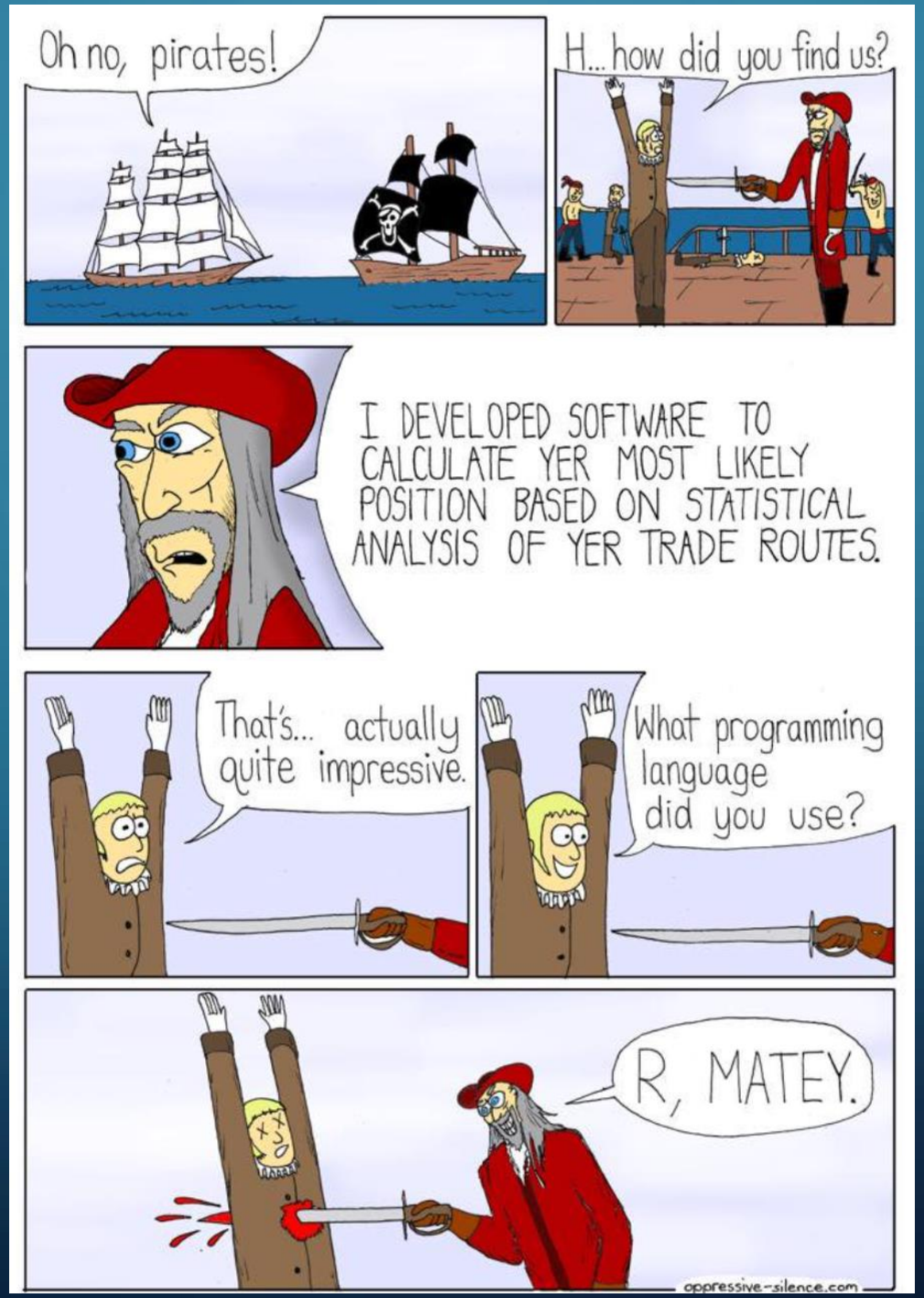
Open: Members of the community are open to collaboration, whether it's on projects, working groups, packages, problems, or otherwise.

Considerate: Members of the community are considerate of their peers - other R users.

Respectful: Members of the community are respectful.

EVENTS

July 9-13: R Software Fundamentals with Applications to Statistical Analyses and Modelling. Wits, Johannesburg, South Africa.


Oh no, pirates!
H... how did you find us?
I DEVELOPED SOFTWARE TO CALCULATE YER MOST LIKELY POSITION BASED ON STATISTICAL ANALYSIS OF YER TRADE ROUTES.
That's... actually quite impressive.
What programming language did you use?
R, MATEY.
oppressive-silence.com

HOW TO FIND US

- Website: https://www.rusergroup.co.za
- Meetup: https://www.meetup.com/Joburg-R-Users-Group
- Github: https://github.com/rusergroupcoza