CORRELAID

GOOD CAUSES. BETTER EFFECTS.

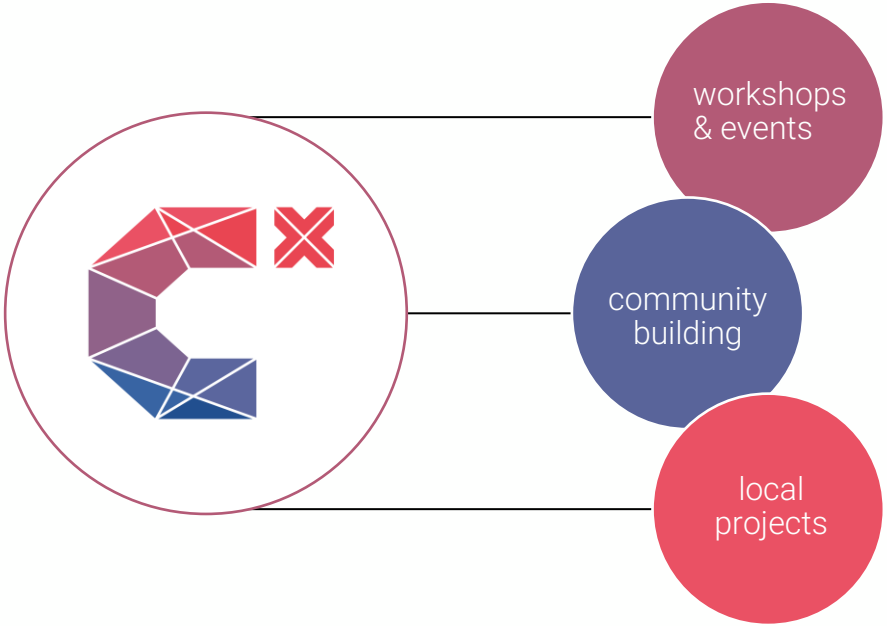
Data Visualization with R

An introduction to ggplot2 and the world of plots

Agenda

- What is CorrelAid?
- What is CorrelAid in Konstanz?
- Data Visualization
  - Why do we need that?
  - Types of plots
  - ggplot2

CorrelAid & CorrelAidXKonstanz



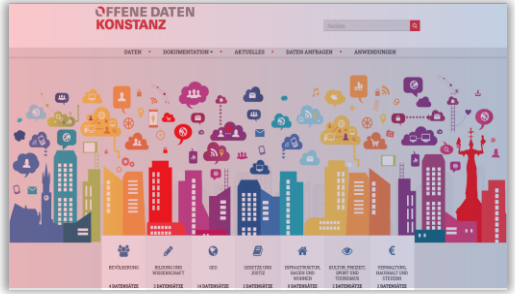
CorrelAid

- network with more than 1900 data scientists and data enthusiasts
- students and working people
- data4good-projects

Local Chapter Konstanz

- city of foundation!
- workshops ☺
- hackathons
- local projects with other NPOs etc.

Our Local Chapter

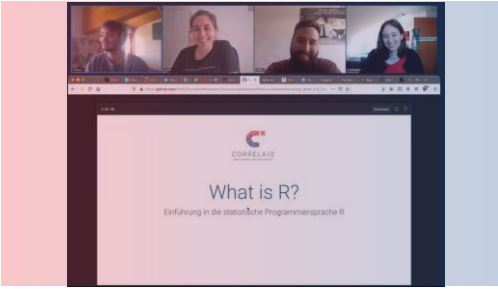


DATA4GOOD PROJECTS

We conduct pro bona data analysis projects for nonprofit organizations like *Stolpersteine* or *SOG*.

LOCAL COOPERATIONS

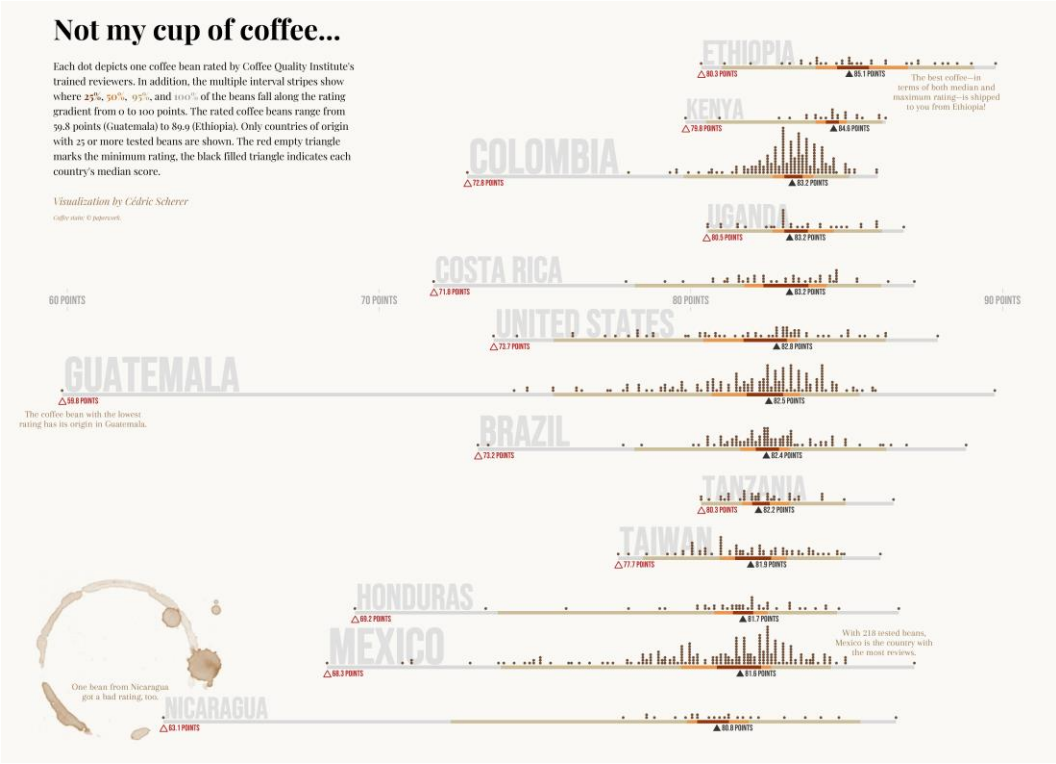
In cooperation with the city of Konstanz, the ADILT, the SWR, Cyberlago and also the Südkurier, packages are written, lectures held, and hackathons organized.

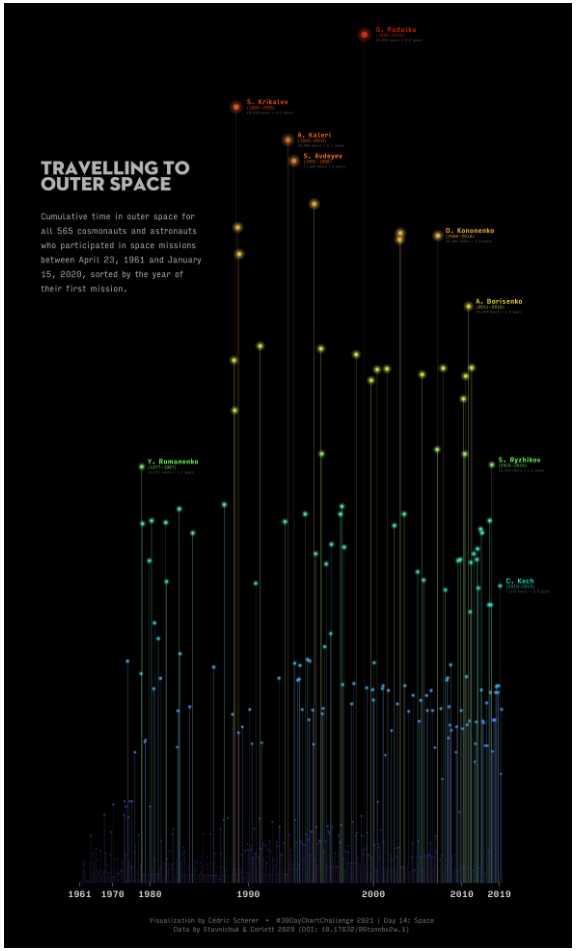


EDUCATION

So far, workshops on various topics are held regularly in R at university, but we also plan to go to schools!

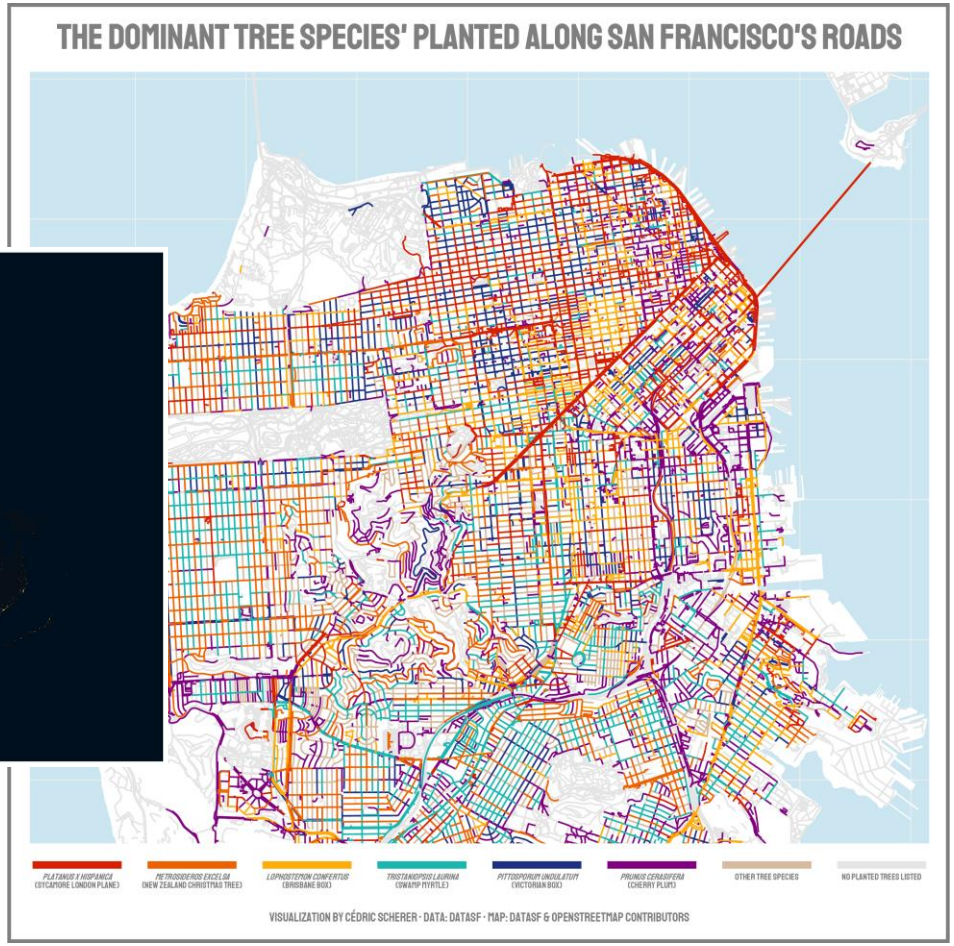
Data Visualization





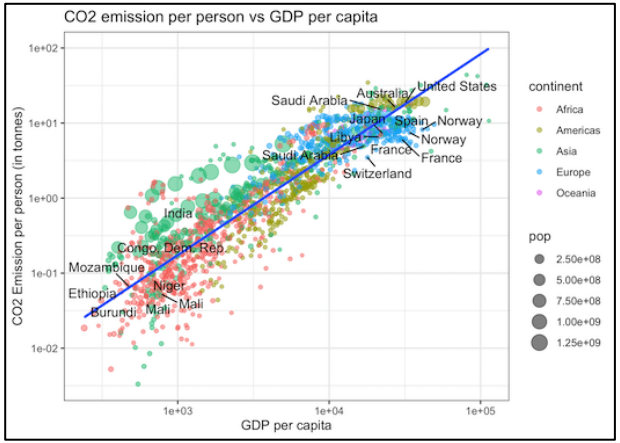
Data Visualization

https://www.cedricscherer.com/top/dataviz/

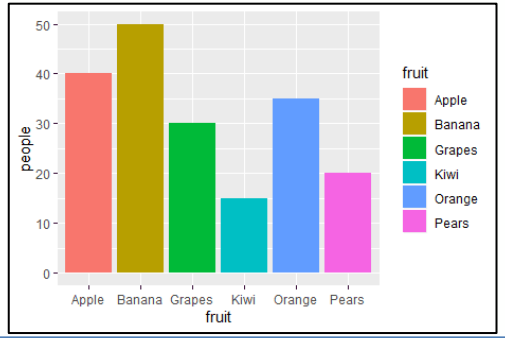


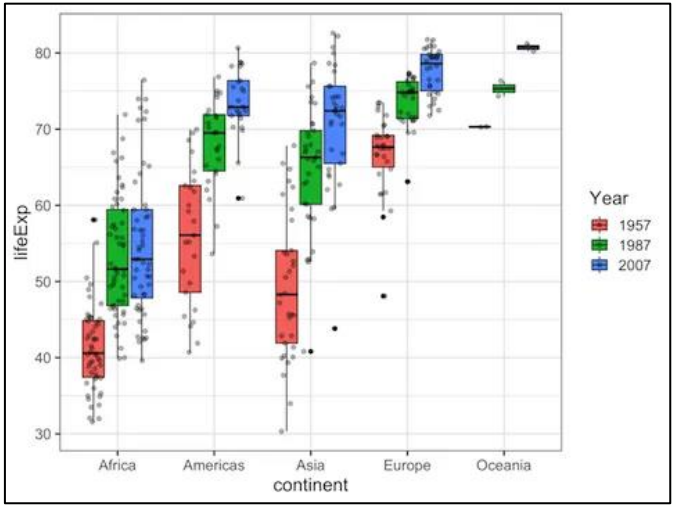
Types of Plots

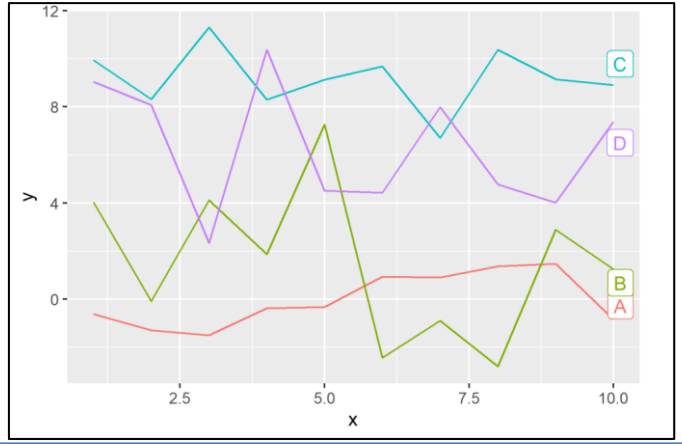
https://i1.wp.com/cmdlinetips.com/wp-content/uploads/2019/11/scatter_plot_with_ggplot_annotate_with_text.png?resize=525%2C375



https://www.learnbyexample.org/wp-content/uploads/r/rbarggplot02.png



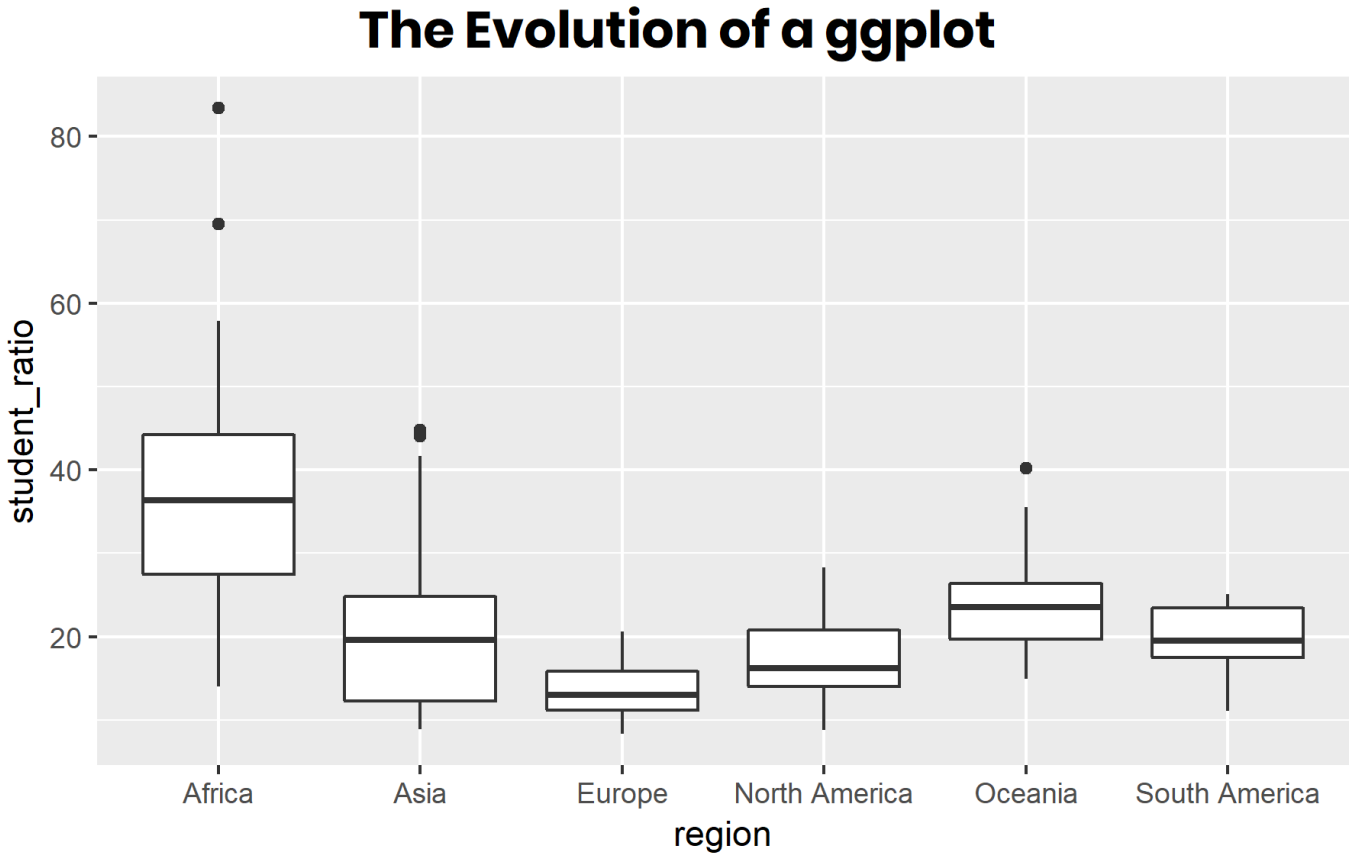




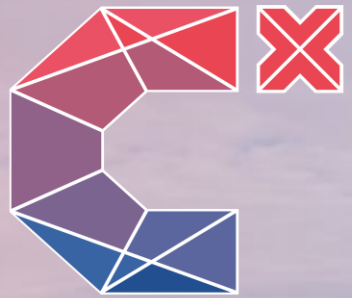
https://i1.wp.com/cmdlinetips.com/wp-content/uploads/2019/02/customizing_grouped_boxplot.png

https://statisticsglobe.com/wp-content/uploads/2021/01/figure-2-plot-add-labels-at-ends-of-lines-in-ggplot2-line-plot-r-1024x768.png

ggplot2



Data: UNESCO Institute for Statistics
Visualization by Cédric Scherer
https://www.cedricscherer.com/2019/05/17/the-evolution-of-a-ggplot-ep.-1/



CORRELAID

KONSTANZ

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#lc-konstanz