

## 7.8 Data visualisation: Reproducible and reusable plots

Links used in the video

FAIR in the context of software: <https://softdev4research.github.io/4OSS-lesson/>

*"an environment in which users execute code, see what happens, modify and repeat in a kind of iterative conversation between researcher and data"* from: J. Perkel, (2018), Why Jupyter is data scientists' computational notebook of choice, Nature 563, 145-146, doi: [Why Jupyter is data scientists' computational notebook of choice](#)

dozens of programming languages - Jupyter kernels on: <https://github.com/jupyter/jupyter/wiki/Jupyter-kernels>

Gravitational waves Open Science Center - <https://www.gw-openscience.org/tutorials/> and its GitHub page - <https://github.com/losc-tutorial/quickview>

Stanford Activity Inequality Study - <https://github.com/timalthoff/activityinequality>

Gallery of interesting Jupyter Notebooks - <https://github.com/jupyter/jupyter/wiki>

Claus Wilke's data visualization book - <https://clauswilke.com/dataviz/> and its Github page - <https://github.com/clauswilke/dataviz>

Code and final result compared in the video: [https://github.com/clauswilke/dataviz/blob/master/proportional\\_ink.Rmd](https://github.com/clauswilke/dataviz/blob/master/proportional_ink.Rmd) and <https://clauswilke.com/dataviz/proportional-ink.html>

Juliette Taka, Logilab and the OpenDreamKit project (2017), <https://opendreamkit.org/2017/11/02/use-case-publishing-reproducible-notebooks/>

Binder - <https://mybinder.org/>

[Altair](#) on [Jupyter](#) served via [Binder](#): <https://github.com/bast/jupyter-binder-example>

[ggplot2](#) on [RStudio/R Markdown](#) served via [Binder](#): <https://github.com/bast/rstudio-binder-example>

All plots in this slidedeck are reproducible on Jupyter notebooks: <https://github.com/bast/data-visualization>

[Data-Driven Documents](#) with [gallery of examples](#)

Interactive plots with [Shiny](#)



