
title: 'Dataviz: A package of domain specific visualizations and languages for the Pharo live coding environment'

tags:

- literate computing
- reproducible research
- data visualization
- agile visualization
- data activism
- pocket infrastructures
- moldable tools
- civil tech
- grafoscopio

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Summary

Dataviz is a companion package for Grafoscopio [@luna-grafoscopio-2014] that puts together several examples of Domain Specific Visualizations and Domain Specific Languages (DSV, DSL, respectively) developed with the Roassal agile visualization engine [@bergel_agile_2016] in the fields of data activism [@milan_medios_2015], civic hacking [@schrock_civic_2016]. Dataviz is the result of a PhD in Design & Creation, which is informed by the technique of observant participation

[@moeran_participant_2007] and tries a critical approach to inhabit and foster communities and to provide them with some tools and prototypes for their usual endeavors. Included prototypes approach several themes like:

Panama Papers as reproducible Research [@luna-panama-papers-2016], Twitter data selfies [@luna-twitter-ds-2016] and published medicine access [@luna-dsv-infomed-2016] and are presented via blog post and internal interactive documentation via Grafoscopio notebooks. The classes in the package and their documentation show several levels of maturity from pretty mature (Panama

Papers) to early coder practices (Infomed) and are offered as examples and excersises to learners in our recurrent Data Week workshop+hackathon, for code testing and refactoring.

References