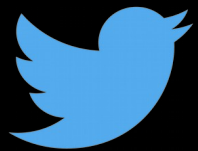


SAMEER DESHMUKH



github.com/v0dro

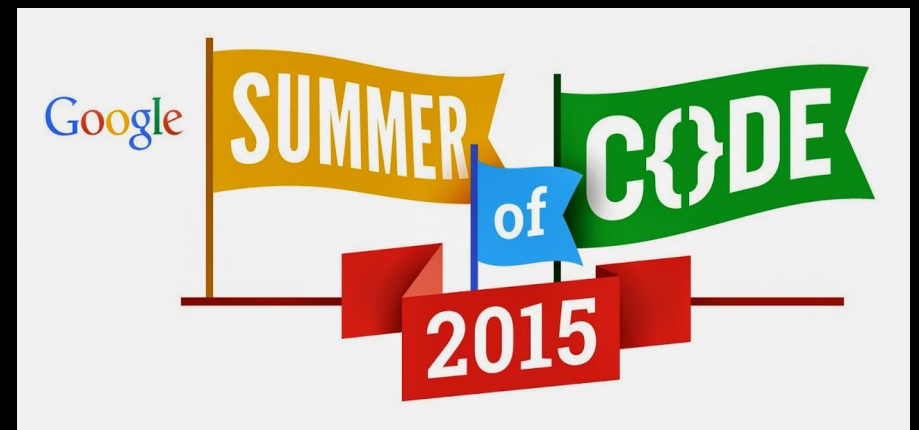


[@v0dro](https://twitter.com/v0dro)

GOOGLE

SUMMER OF CODE 2015

www.google-melange.com



RUBY SCIENCE FOUNDATION

www.sciruby.com



दारु



SEEING DATA
CLEARLY WITH
DARU

Data? Daru?...WHAT!?



Data Analysis in RUby

is a ruby gem for analyzing,
manipulating and visualizing
data in Ruby.

Why use daru?



Interactive
computing

Robust,
Friendly

Reduce
Toolchain
Friction

Robust

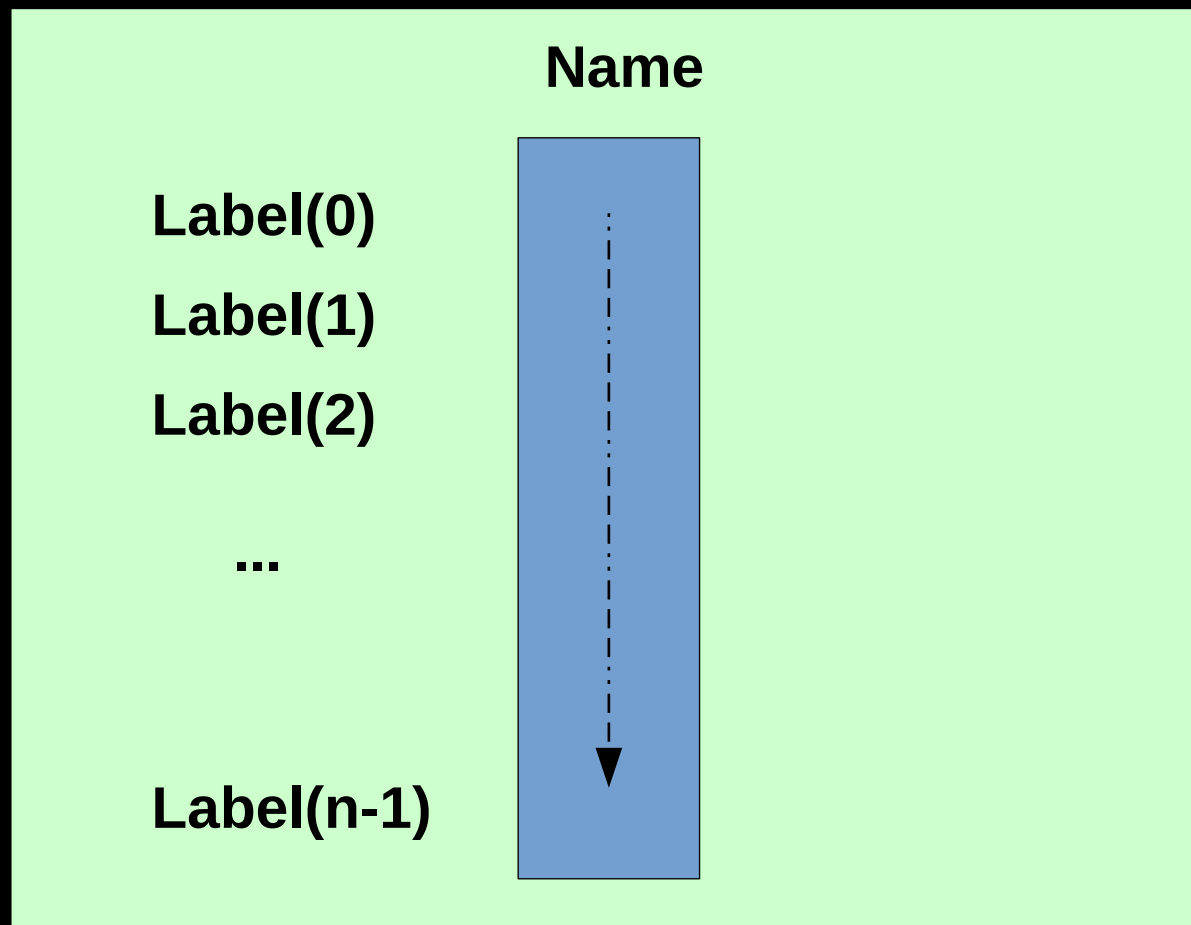
- Powerful indexing support for storage and access of data
- Statistics and moving statistics functions.
- Support time series.
- Arel-like syntax for querying data.
- Easily visualize data.
- Supports operations with missing data.

Friendly

- Builds on top of existing Ruby data structures so **works with all interpreters**.
- **Leverages specific interpreter resources** whenever possible.
- **Integrates** with other ruby scientific libraries.
- **Statistics** – statsample, statsample-glm, statsample-timeseries, mixed_models.
- **Visualization** – Nyaplot, GnuplotRB.
- **C level storage** – NMatrix, rb-gsl.

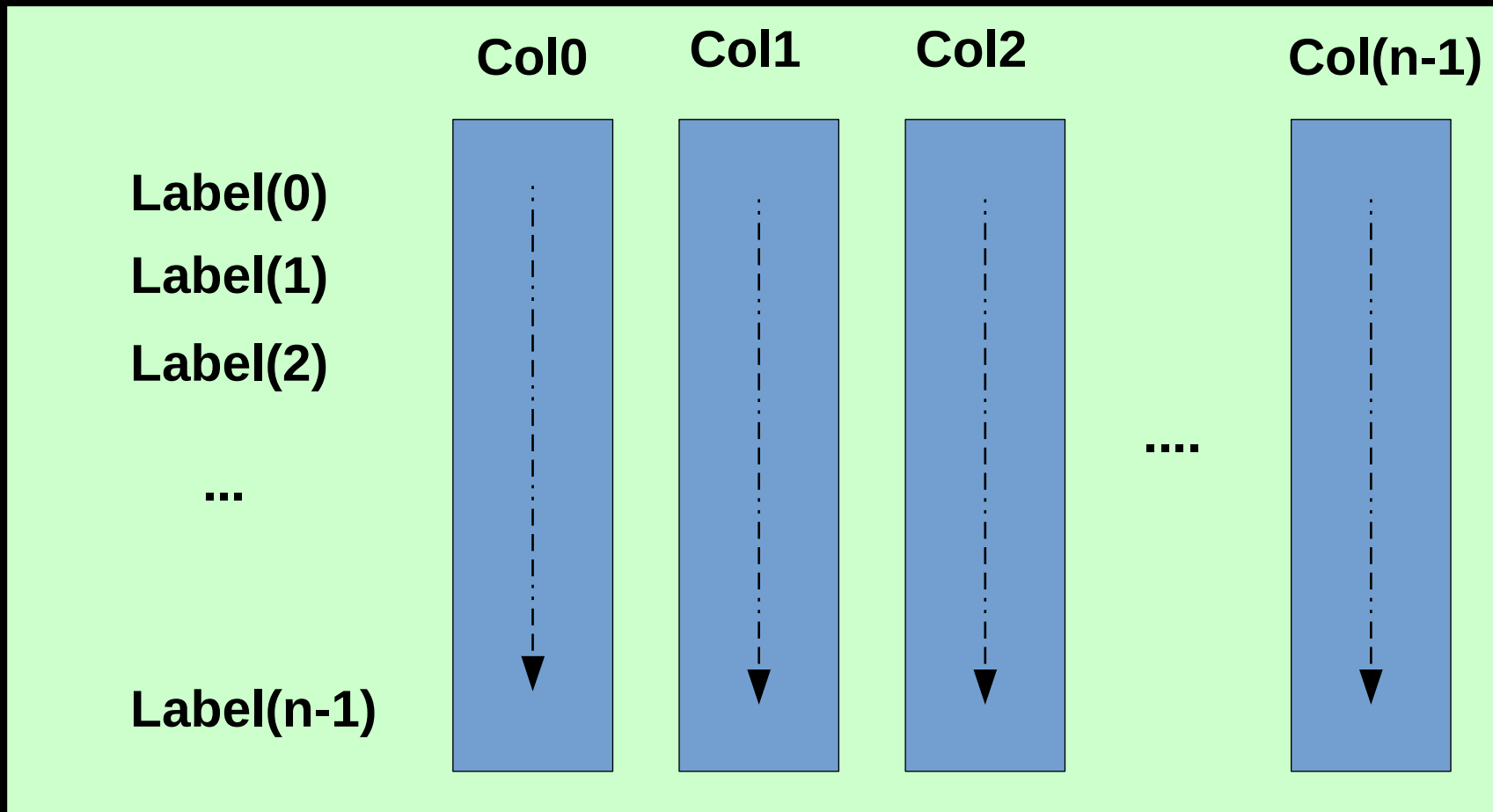
Daru::Vector

Heterogenous Array that can be indexed on any Ruby object.



Daru::DataFrame

2D spreadsheet like data structure indexed by rows or columns with ruby objects.



Links to notebooks

- **Notebook elaborating basic daru usage:**
<http://nbviewer.ipython.org/github/v0dro/talks/blob/master/DeccanRubyConf15/Daru%20Demo.ipynb>
- **Use Case: Analyzing baby names with daru:**
<http://nbviewer.ipython.org/github/v0dro/talks/blob/master/DeccanRubyConf15/Use%20Case%20-%20Daru%20for%20analyzing%20baby%20names%20data.ipynb>

{ THANK YOU }

Ab samajh mein aaya.



Koi sawaal?

