

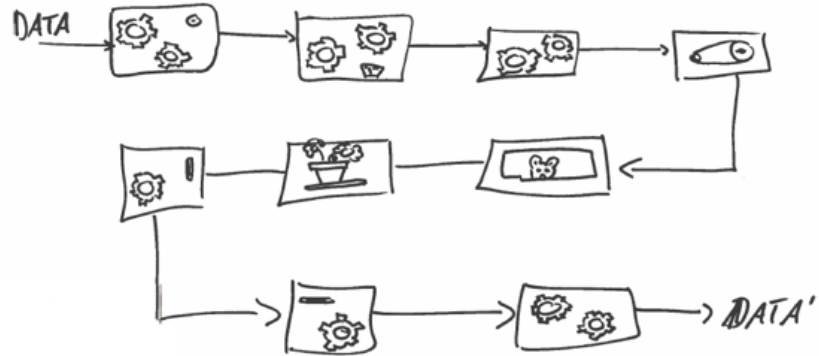
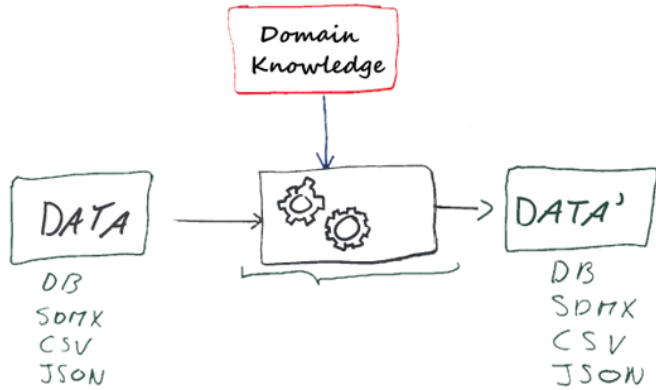


The awesome list of official statistics software: a community approach to software sharing in the ESS

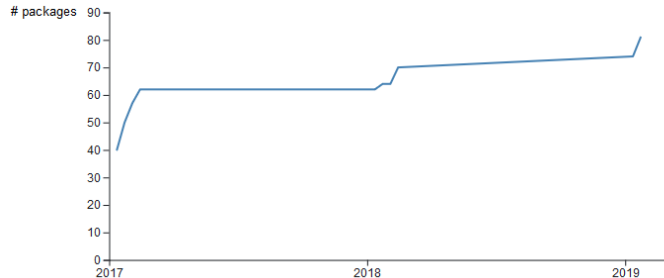
www.awesomeofficialstatistics.org

Olav ten Bosch, Mark van der Loo (Netherlands), Alex Kowarik (Austria)
ModernStats World Workshop 26-28 June 2019 Geneva

Concepts



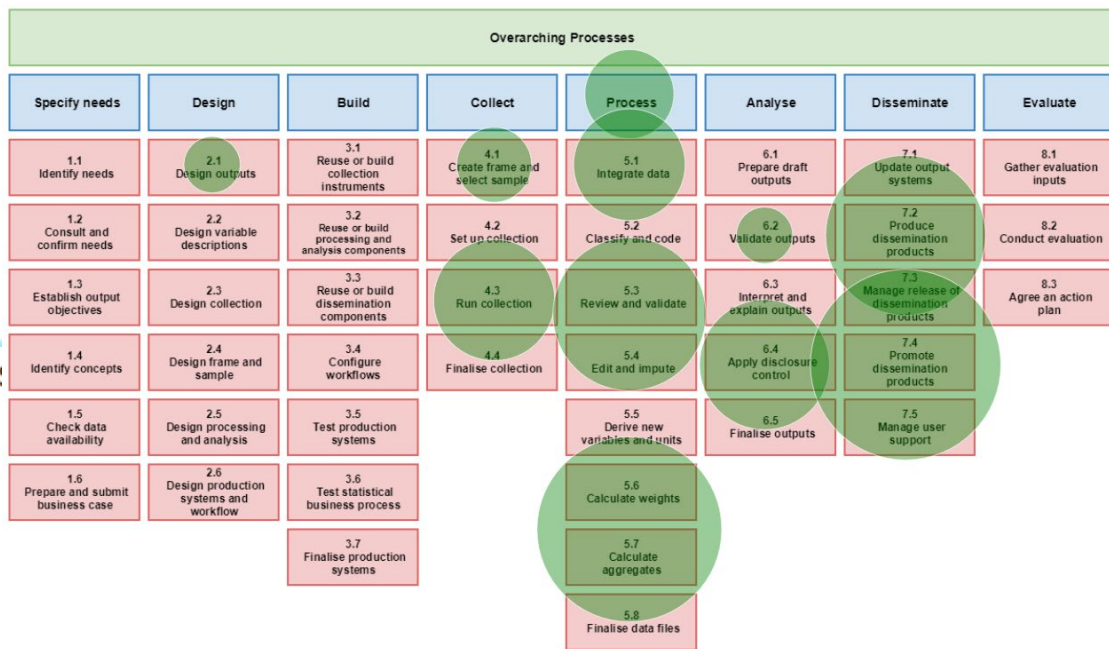
- How do we know what's already there?
- Offstats landscape getting more complex and dynamic
- Maintain an awesome list



81 and counting...



Awesome official statistics software



Official statistics.

Access to official statistics (GSBPM 7.4)

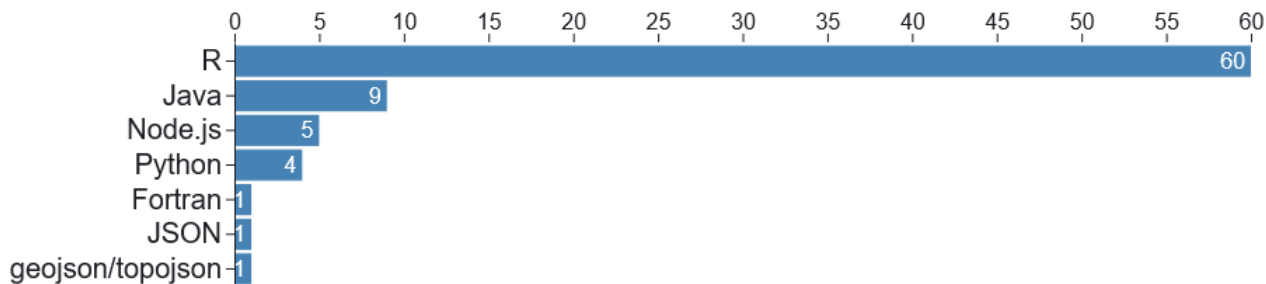
- R package [rdsdmx](#). Easy access to data from statistical offices. Contains a list of SDMX access points of various nationalities.

Statistical Dissemination (GSBPM 7.2)

- Java application [SDMX Converter](#). Converter between different SDMX formats.

Data integration and record linkage (GSBPM 5.1)

- R package [reclin](#). Functions to assist in performing record linkage, comparing records, em-algorithm for estimating missing data.
- R package [RecordLinkage](#). Implementation of the Fellegi-Sunter method for pre- and post-processing for machine learning.
- R package [fastLink](#). Implements a Fellegi-Sunter procedure for record linkage. Includes the JSON-SDMX format and the inclusion of auxiliary information. Documentation available on GitHub.



as [stringdist](#) and [fuzzyjoin](#) allow for matching records. Access to the open data from the Australian Bureau of Statistics via the R package [pyscbwrapper](#). Access to the open data from the Australian Bureau of Statistics via the R package [pxweb](#). Generic interface for the PX-Web/PC-Web API. Easy API access to e.g. Statistics Canada via the R package [PxWebApiData](#). Easy API access to e.g. Statistics Canada via the R package [rdbnomics](#). Access to the [DB.nomics](#) database. Access to the Australian Bureau of Statistics via the R package [readabs](#). Download data from the Australian Bureau of Statistics via the R package [readabs](#).

Awesome list promotions

- Unece SDE '17
- Unece SCFE '17
- uRos '18
- Unece SDE '18
- Estat validation projects/grants '17 - '18
- uRos '19
- Unece modernstats '19



build error coverage 90% CRAN 0.9.5.2 dependencies 0.0 downloads 37k/month Deploy 98th percentile 

stringdist

- Approximate matching and string distance calculations for R.
- All distance and matching operations are system- and encoding-independent.
- Built for speed, using `openMP` for parallel computing.

The package offers the following main functions:

- `stringdist` computes pairwise distances between two input character vectors (shorter one is recycled)
- `stringdistmatrix` computes the distance matrix for one or two vectors

Wear the badge!

