


The list over time

Awesome official statistics software



An awesome list of open source statistical software packages useful for creating and accessing official statistics.

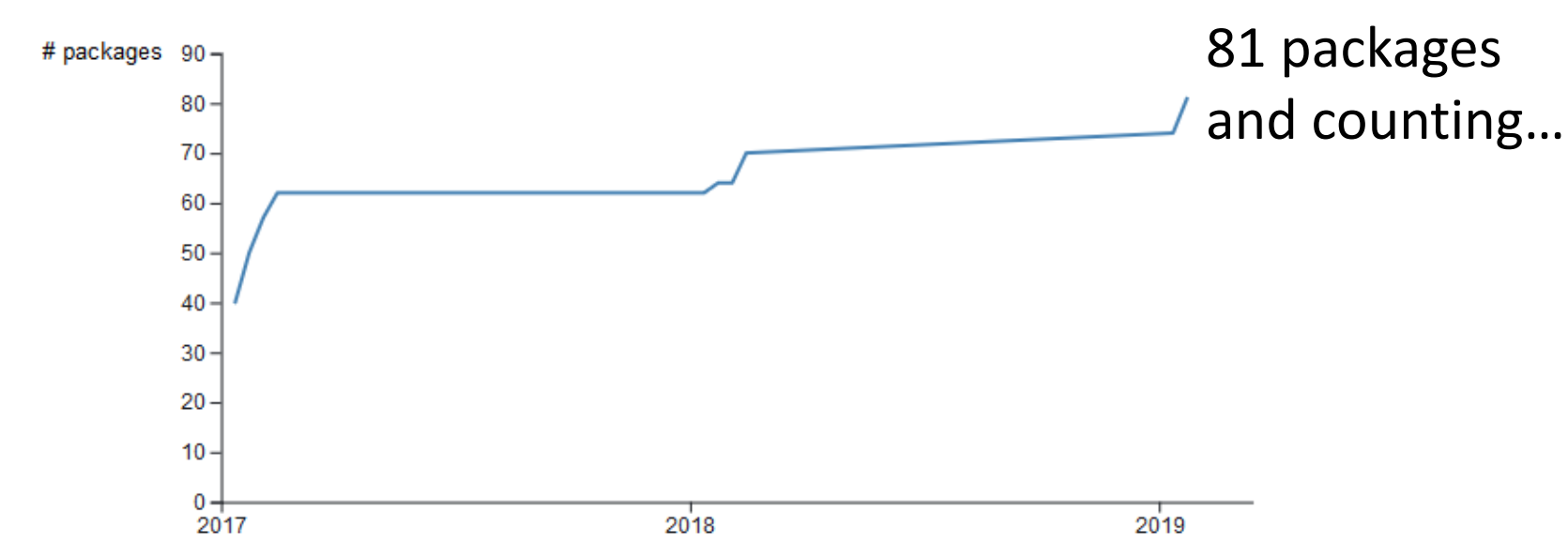
An item on this list is awesome because

1. it is free, open source, and available for download;

2. it is confirmed to be used in the production of official statistics by at least one institute, or

3. it provides access to official statistics publications.

We prefer packages that are reasonably easy to install and use, that have at least one stable version, and that are actively maintained.



Some list fragments

Time series and seasonal adjustment (GSBPM 5.6 | 5.7)

• Fortran [X-13ARIMA-SEATS](#) Seasonal adjustment software produced maintained and distributed by the US Census Bureau.

• R package [seasonal](#). Interface to the `X13-ARIMA-SEATS` program from R with a very nice shiny GUI.

• R package [x12](#). Alternative interface to the `X13-ARIMA-SEATS` program from R with a focus on batch processing time series.

• Java application [JDemetra+](#) The seasonal adjustment software officially recommended for the European Statistical System.

• R package [RJDemetra](#) R interface to JDemetra+.

• R package [tempdisagg](#) methods for temporal disaggregation and interpolation of time series.

Statistical disclosure control (GSBPM 6.4)

• Java application [μ-ARGUS](#). Tool to create safe micro-data files. See also the [casc page](#).

• Java application [T-ARGUS](#). Tool to protect statistical tables. See also the [casc page](#).

• R package [sdcMicro](#). Disclosure control for statistical microdata.

• R package [sdcTable](#). Disclosure control for tabulated data.

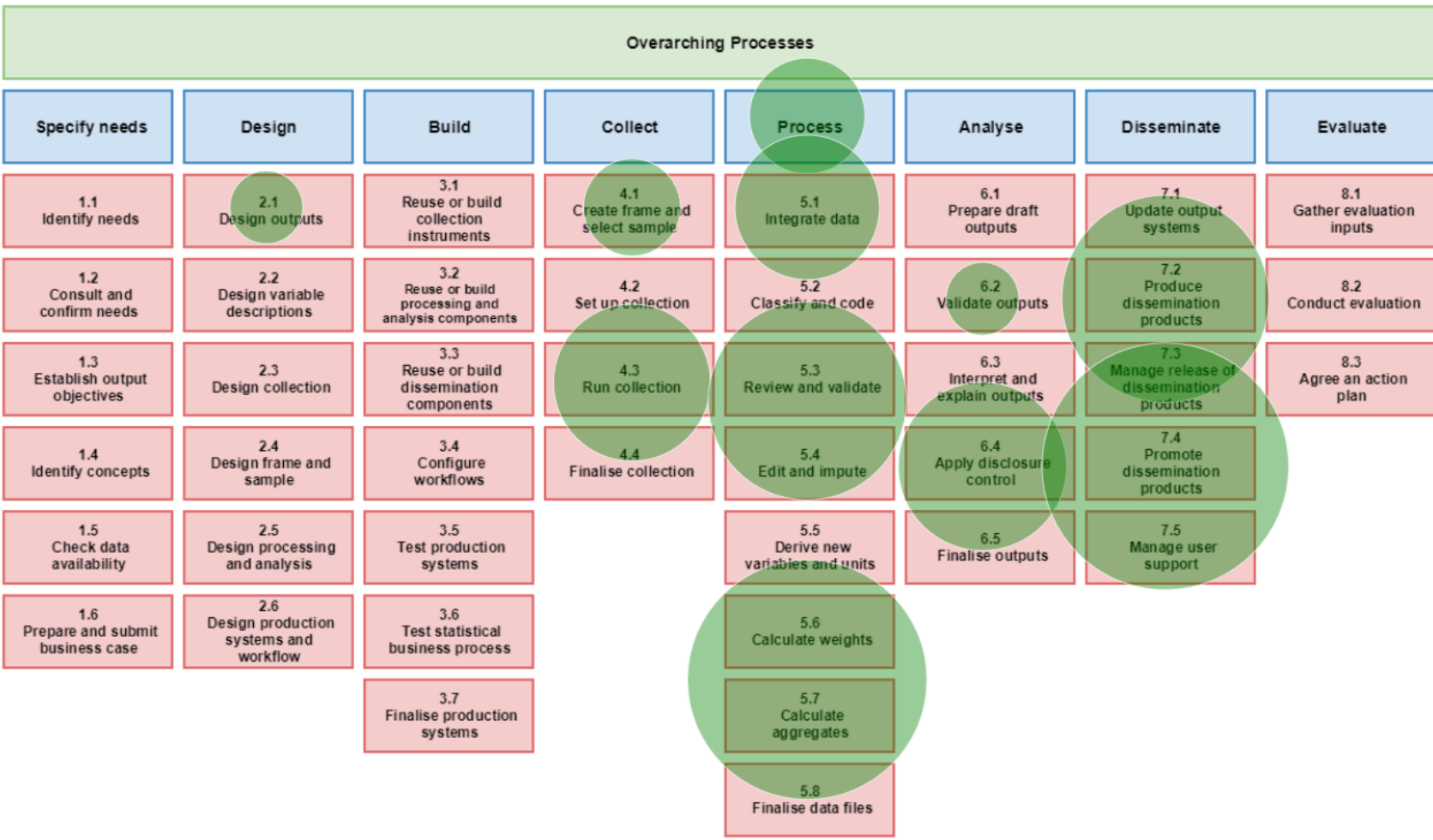
• R package [easySdcTable](#) provides an interface to the package `sdcTable`.

• R package [sdcHierarchies](#) allows to generate, modify and export nested hierarchies.

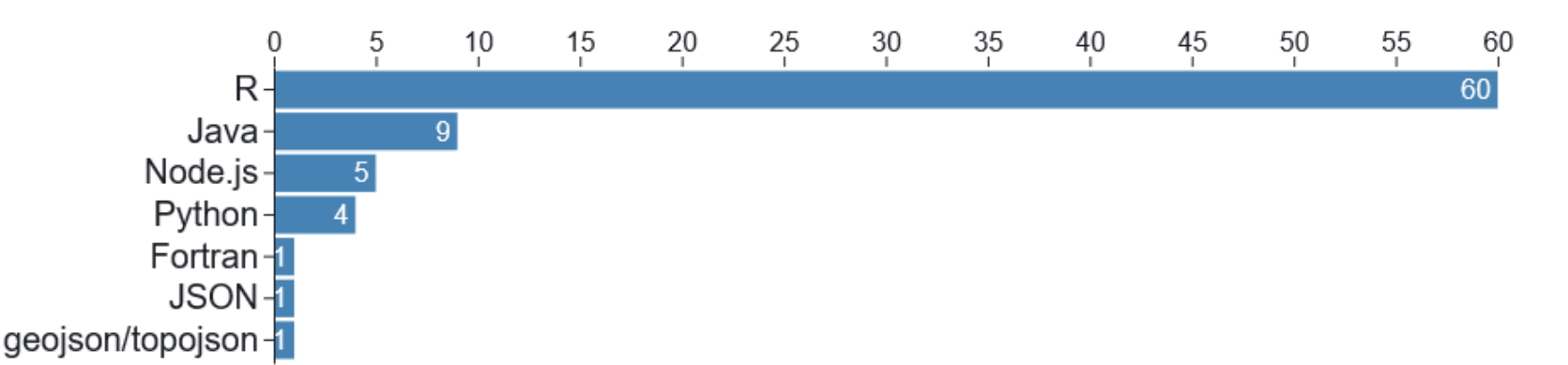
• R package [SmallCountRounding](#) can be used to protect frequency tables by rounding necessary inner cells so that cross-classifications to be published are safe.

• R package [simPop](#). Simulation of synthetic populations from census/survey data considering auxiliary information.

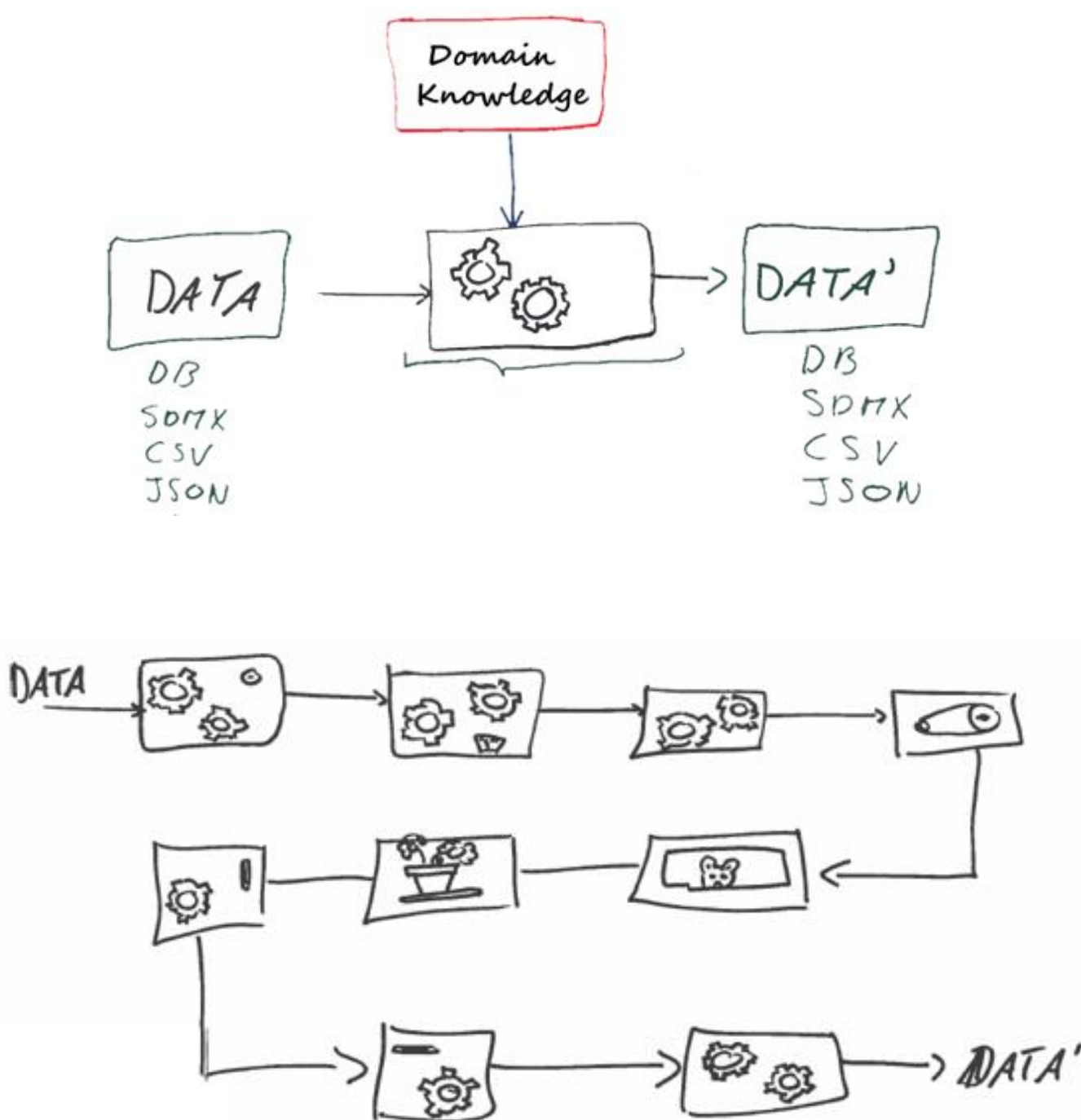
Packages by GSBPM



Packages by language



Core concepts



Contributions welcome!

Send an email to [mark.vanderloo@gmail.com](mailto:mark.vanderloo@gmail.com) or [olav.tenbosch@gmail.com](mailto:olav.tenbosch@gmail.com) or tweet [@markvdloo](https://twitter.com/markvdloo)