Using JDemetra+ in R: from version 2 to version 3
Presentation 3: Wrangling workspaces in R

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Context

- a workspace is a JD+ specific data structure (xml files) which allows to use the GUI and cruncher
- in R we don't need this stucture to run an SA process (cf P2)
- we could think sa processing with JD+ algorithms can happen in two disntict worlds
  - GUI and cruncher using workspaces OR
  - R functions (without workpaces, TS object or numeric vectors for HF)

Still there are benefits in using workspaces and R packages in conjunction

We will highlight them in the remaining of this presentation

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Using workspaces and R packages in conjuction

Two (?) classes of benefits

- instant reading: immersing results in the R world (functions, plots..)
- automating potential manual operations

Workspace reading in R

Context:

cf doc R tools for v2 what is available in v3

Contents

Automating operations on workspaces

operations - creation - loading - modifications - adding sa processings - adding series (sa item vs specs)

Automating operations on series

- series object
- spec
- meta data

Merging workspaces

context: annual rev

Preserving desirable properties ?

two features to preserve - GUI readable - Crunchable

When are the preserved and when not ?

Contents

Summary of functionnalities

- available
- missing

Package's perimeter and ressources

- V2 vs V3: not clear cut yet not many features are available in sheer v3 rjdworkspace (predating v3) functions will be (partly) integrated into rjdemetra3 package