

Monitoring Changes In Data

Mark van der Loo and Edwin de Jonge

Statistics Netherlands Research & Development @markvdloo @edwindjonge

useR!2019





Try the code

O3input/monitoring.R





How to monitor changes

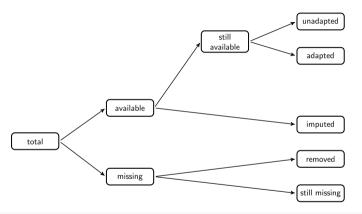
It depends ...

- Cell-by-cell changes?
- Count changes?
- Count changes in satisfying rules?
- Measure changes in aggregates?





Decomposing the number of changes in cells

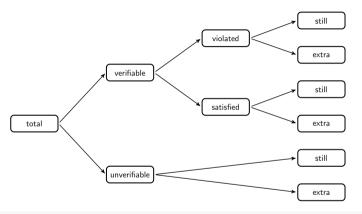


validate::cells(start=dataset1, step1=dataset2, step3=dataset3, ...)





Decomposing the number of changes in validation results



validate::compare(rules, start=dataset1, step1=dataset2, ...)





Assignment

- 1. Read all the versions of datasets created today
- 2. Create plots showing the progress in the cell counts and rule counts methods.



