Rule Management

UNECE Workshop on Statistical Data Editing

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Spending quality time learning:
1. AWS
2. Docker
3. K8S
4. Cloud technology.

Drawing pictures of clouds and becoming an architect.
Modular production systems

Rule management: user stories

- CRUD
- Select Rules
- Determine Rule order
- Time travel
- Handle transient data circumstances
Rule order rules

Remove

Insert

Replace

Transpose
Rule management: user stories

- CRUD
- Select Rules
- Determine Rule order
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List operations

List operations as pure functions

Create a new copy after each operation (and label it)
Database implementation

Set of all rules

Where and when does a rule occur in which list

Names of lists (e.g. SBS, NA)
Summary

- Central data structure:
  - List (versions) of Rule Sequences
- Can be implemented in database
  - But takes some care
R package rulemanager (PoC)

R functions executing SQL on an SQLite database