Universität Rostock

Traditio et Innovatio

Darwin

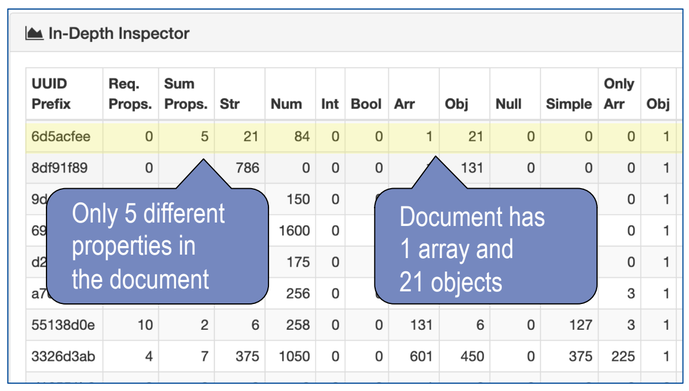
jHound – Large-Scale Profiling of Open JSON Data

Motivation and Aims

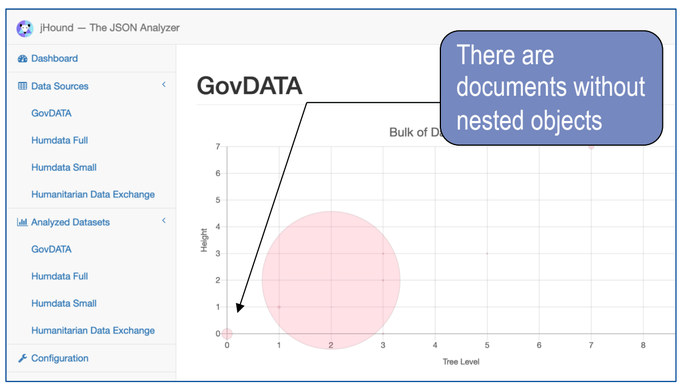
- JSON offers a flexible way for storing arbitrary data
- jHound delivers an overview on large JSON documents collections
- Users can gain insights into the usage of JSON
- jHound collects and computes statistics of JSON documents (data type distribution, property presence, nested object level with most data, and more) to detect interesting patterns

Profiling Stages

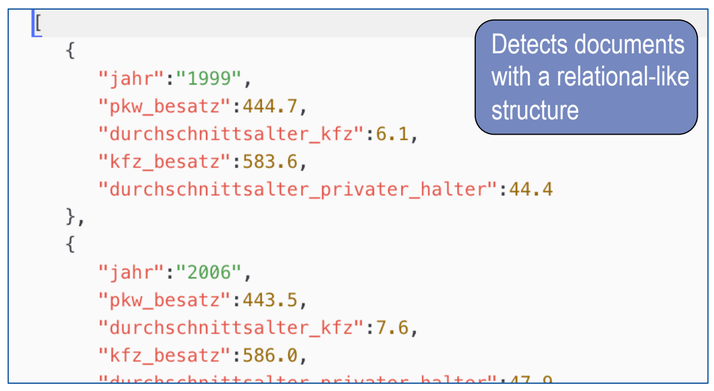
Inspection

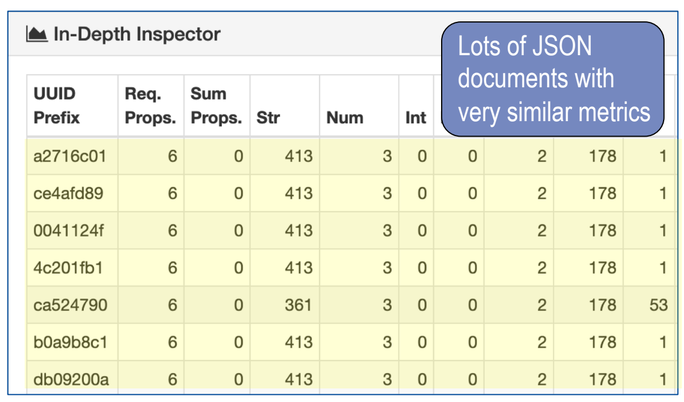


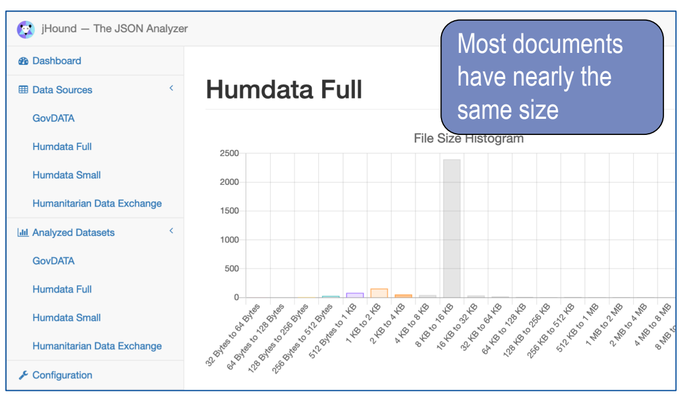
Analysis

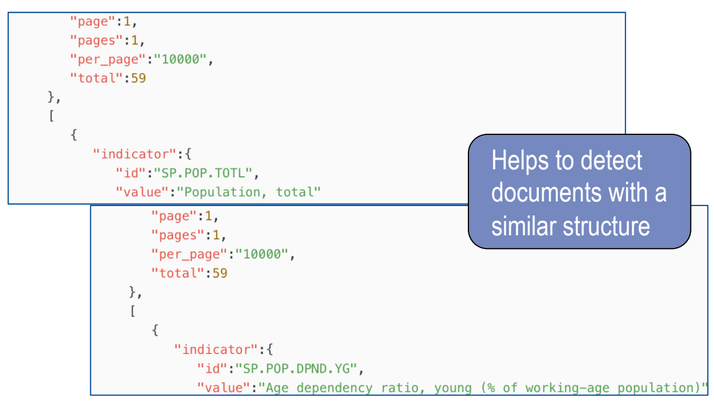


Detection



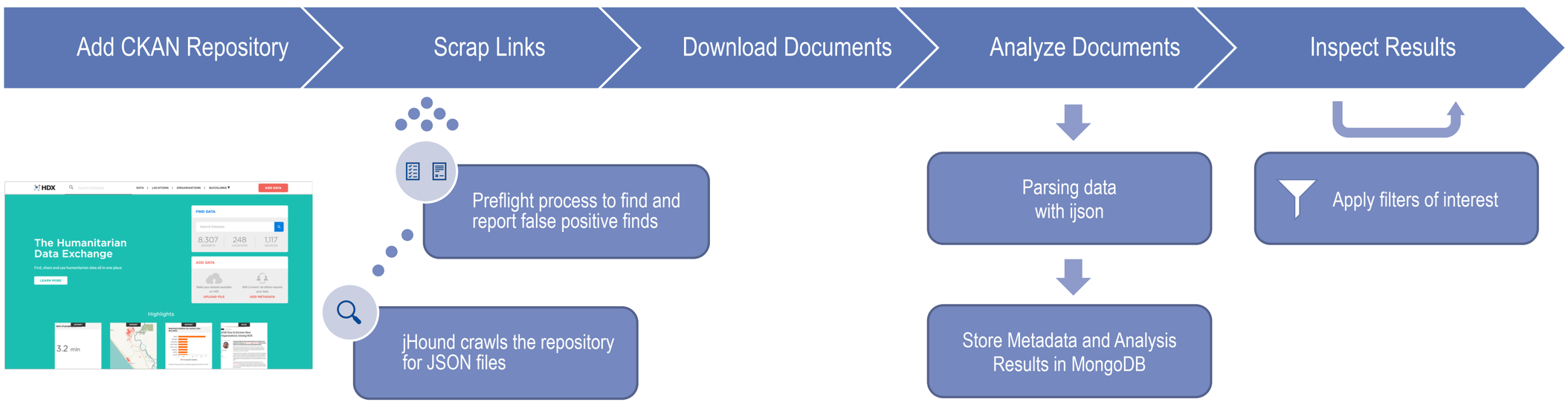






Analysis Workflow

jHound's Workflow consists of multiple stages and is designed for crawling, downloading and analyzing Open JSON Data from CKAN-compatible repositories. A webfrontend guides through the workflow stages



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