

Shared Access for Items, Scripts and Streaming-Data

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Group of

- Psychometricians
- Computer-Scientists

Actively working on

- Digital assessments
- Analyzing log/streaming data
- Software for evaluation

Researchers get access to

- Codebook / Documentation
 - Usually only for humans
 - Zero to none automation
- Items
 - Restricted access (contract needed)
 - Local server setup
- Logs / Streaming-Data
 - Raw information
 - Partly aggregated

Data from logs

- Must be converted (codebook)
 - Scripts (R, SPSS, ...)
- Needs to be checked with the items
 - Manual lookup of data
- Must be assigned variables
 - More scripts (R, SPSS, ...)

Error prone

- Coding based only on technical ids
- Interpretation of variables

Repeated actions

- Tedious
- Time-consuming

With high probability, this has been done multiple times within the research community!

No easy way

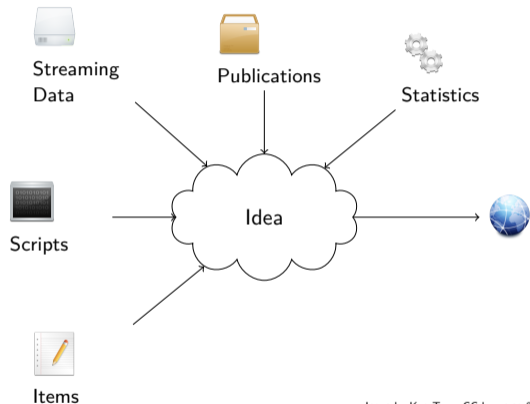
- To find these scripts (currently out-of-scope for RDCs)
- To publish these safely
 - GitHub requires public access
 - Possible peer pressure!!
- To connect them with logdata, survey statistics and items
 - Different stakeholders
 - Possibly different RDCs (if at all!)

Example:

- Items have been hosted by ACER
- No longer participating in PISA
 - Recently took down the hosting activity
- OECD provides link list
- Mostly dead links now

Provide a „safe space“ for researchers

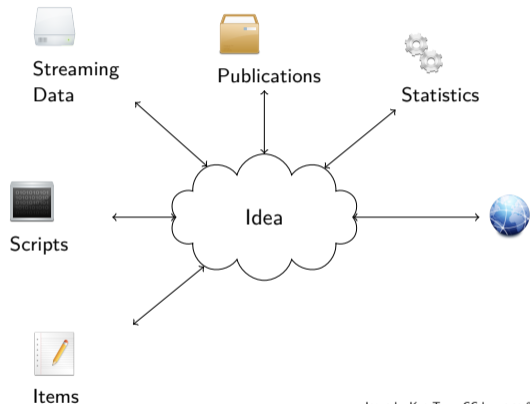
- Store Ideas
- Access data for research
- Upload and provide scripts
- Link publications



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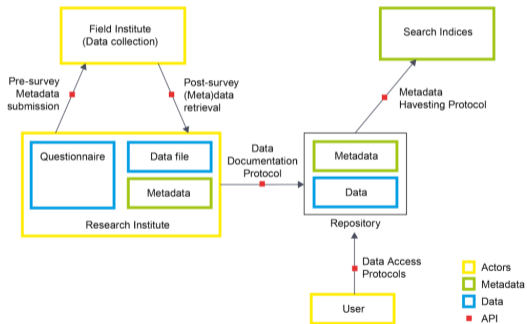
Provide a „safe space“ for researchers

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Partially adressed by current NFDI proposal (KonsortSWD)



- Create space
 - Connect data with research proposals
 - Ensure findability
- Allow selective sharing
 - Define access policies
 - Embargos?
- Take care of provenance / versioning
 - Allow for research changes
 - Provide history of ideas
- Make it citeable
 - Publications are just the tip of the iceberg
 - Towards FAIR

Note

RDCs have not to provide these spaces but should allow such usage!

Important aspects:

- Automated exchange/access within RDCs
- User Experience
 - User first!!
- Sharing of information and access rights
 - Scripts, Data, Items
 - Reusability!
- Metrics and Measurements

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