



Virtual launch of the anonymization tool QualiAnon

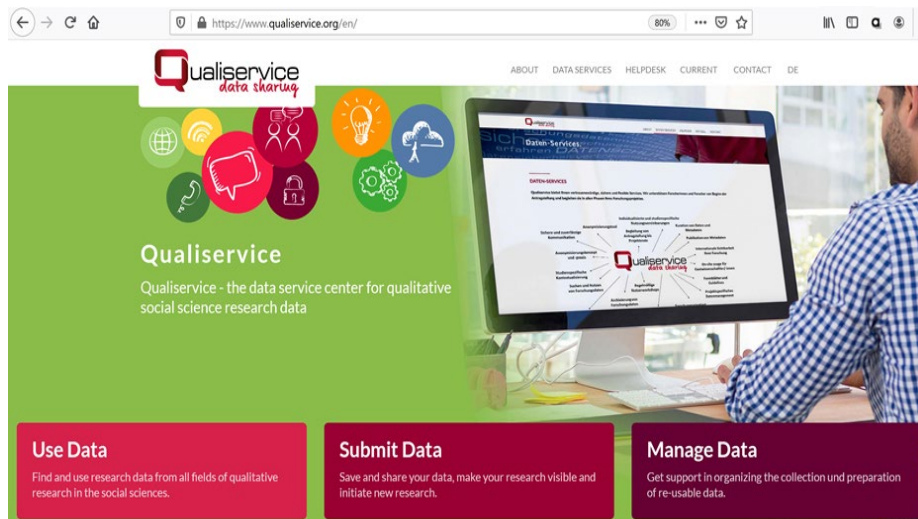
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Agenda

1. Background
2. Application scenarios
3. Functionalities of QualiAnon
4. Access to software, manual and further information

Why do we need an anonymization tool?



- RDC Qualiservice
- specialized on archiving and sharing qualitative research data in the social & behavioral sciences
- importance of data protection and research ethics
- anonymization and pseudonymization central instruments


www.qualiservice.org

Why do we need an anonymization tool?

- researchers need to deal with two potentially conflicting interests: protecting personal data vs. enabling research or re-use
- special contextual density of qualitative data
- anonymization and pseudonymization of qualitative data are comprehensive and time consuming

>> *QualiAnon to support and facilitate the protection of sensitive information.*

Scenario 1: Tool-Application in the context of Qualiservice



SSOAR Open Access Repository
www.ssoar.info

Arbeitspapier zur Konzeptentwicklung der Anonymisierungs-/Pseudonymisierung in Qualiservice
Kretzer, Susanne

Erstveröffentlichung / Primary Publication
Arbeitspapier / working paper

Empfohlene Zitierung / Suggested Citation:
Kretzer, S. (2013). *Arbeitspapier zur Konzeptentwicklung der Anonymisierungs-/Pseudonymisierung in Qualiservice*.
<https://nbn-resolving.org/urn:nbn:de:0168-ssoar-47605-2>

- allow for data protection and make research possible
- Anonymization is one part of the Qualiservice' concept of data protection
- „Flexible Anonymization“ (Kretzer 2013)
 - Replace sensitive information with information relevant for social science research
 - Document the replacements on different abstraction levels and keep them thus reversible
- A detailed guide on the anonymization of qualitative text data will be published soon.

Scenario 2: Tool-Application in the research project

- Researchers are confronted with questions of data security at different stages of their research process.
- Researcher need to provide anonymized data for different purpose.
- Need for flexible procedures.
- Qualiservice cooperates with researches, offers support, and checks the anonymization of a dataset. Data preparation is done in the research project.

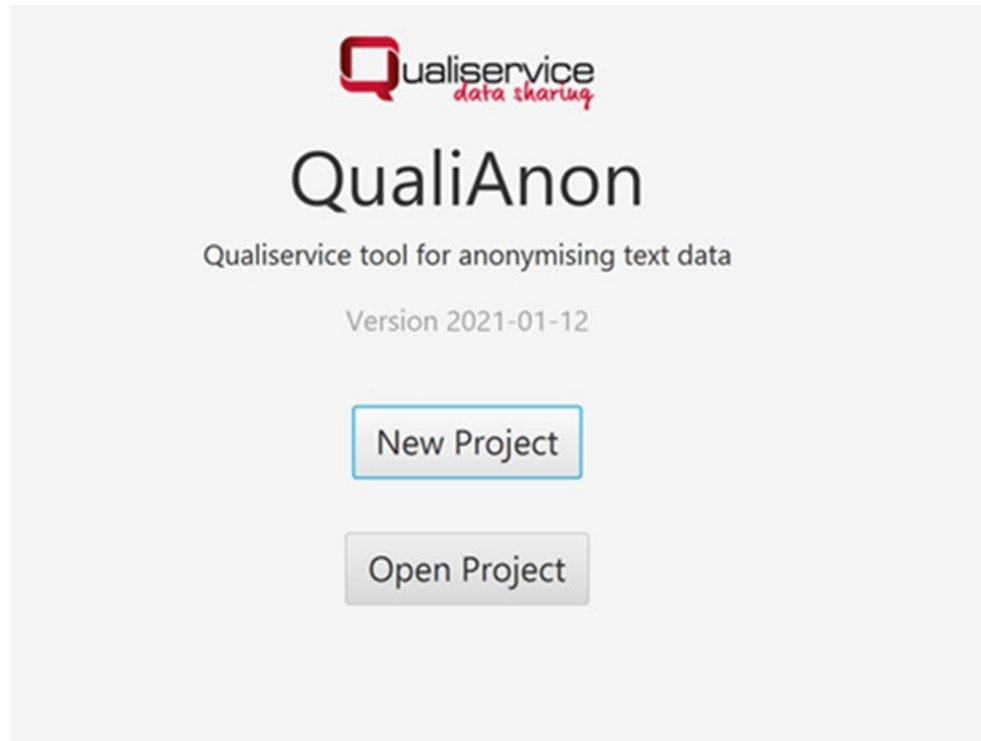
Objectives of the tool development:

- QualiAnon should mark and replace sensitive information on different abstraction levels.
- It should document the replacements and allow for adaptations.
- It should allow for the integration of standardized lists (e.g., ISCO)
- It should allow to replace information on case basis as well as on study level.
- The export of versions differing in the amount of sensitivity should be possible.
- The user should be in control.
- The tool should be sustainable developed.

Ensuring sustainability

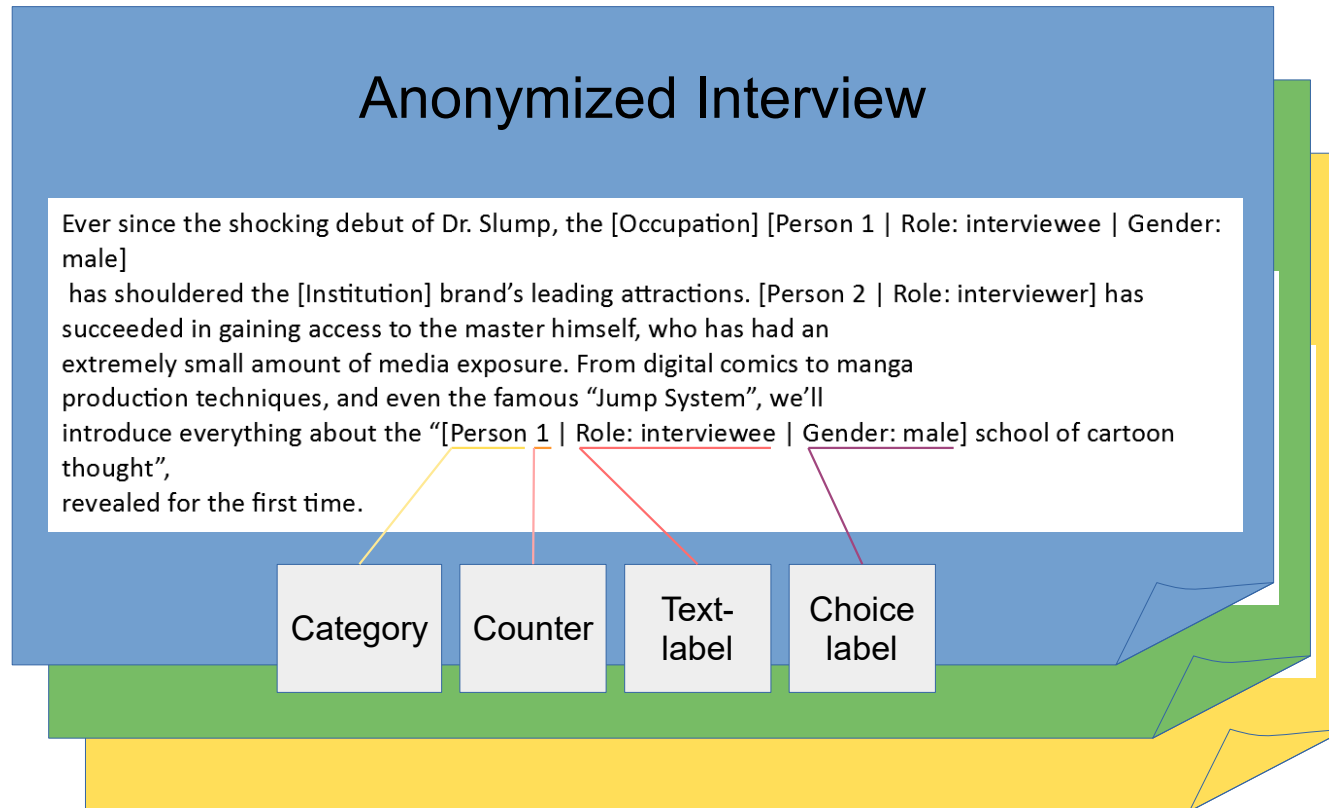
- QualiAnon is developed as an Open Source Tool.
- Software, manual and code will be accessible via GitHub (we will talk about this later again)
- GitHub allows for feedback and further development.
- There are no fees related to the use of QualiAnon

How does QualiAnon work?



Goal No.1

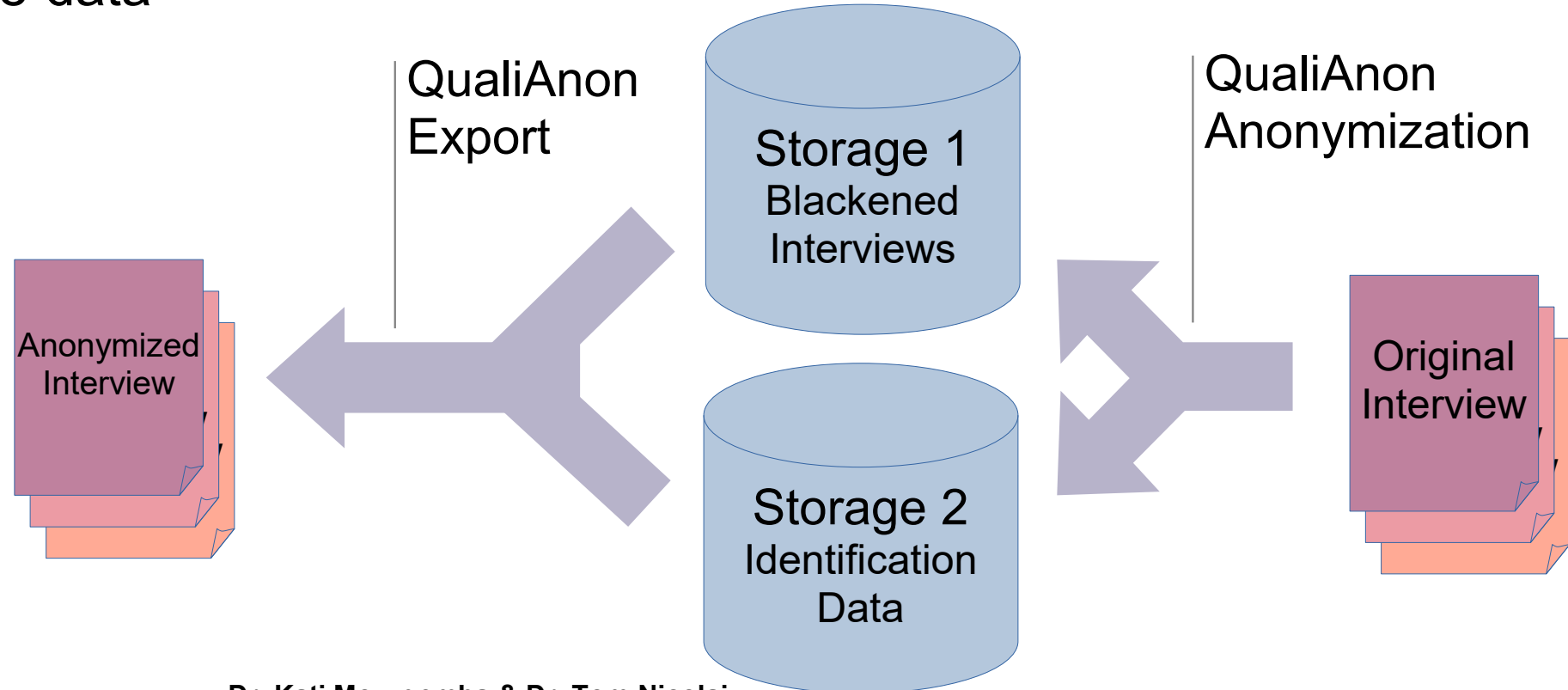
Anonymization



- Additional conditions
 - Counting and labels must be consistent over all interviews of a project
 - Creation of different anonymizations must be fast and easy

Goal No.2 Separated Storage

- Additional conditions
 - Recombinable data
 - Standardized file formats



QualiAnon's Data Model

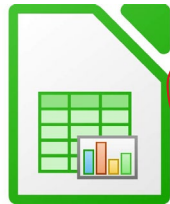
Connect the UUIDs



Blackened interviews

Ever since the shocking debut of Dr. Slump, the [M:947faa83-53d1-496a-868a-38032d7dc157:] [M:fd54a5a8-3af6-457a-9d36-37dadd9d5f5:] has shouldered the [M:2ca93753-0d37-4b17-a99c-d47f6065b3cb:] brand's leading attractions.

- One UUID for each occurrence -
Every marked area has its own unique ID



Marker file for each blackened interview

	A	B	C
1	Marker ID	Replacement ID	Original
2	947faa83-53d1-496a-868a-38032d7dc157	8fa05325-a72e-4a35-a8dc-f7fc2f54050c	cartoonist
3	fd54a5a8-3af6-457a-9d36-37dadd9d5f5	2ecb601e-c6bb-4afb-a588-96f6490f57e0	Akira Toriyama
4	2ca93753-0d37-4b17-a99c-d47f6065b3cb	a333dd59-c1a8-4fca-bd18-e6bcc66843ca	Jump

Connects the unique markers to common label data

- One UUID for each entity -
Label data is used consistently throughout project interviews



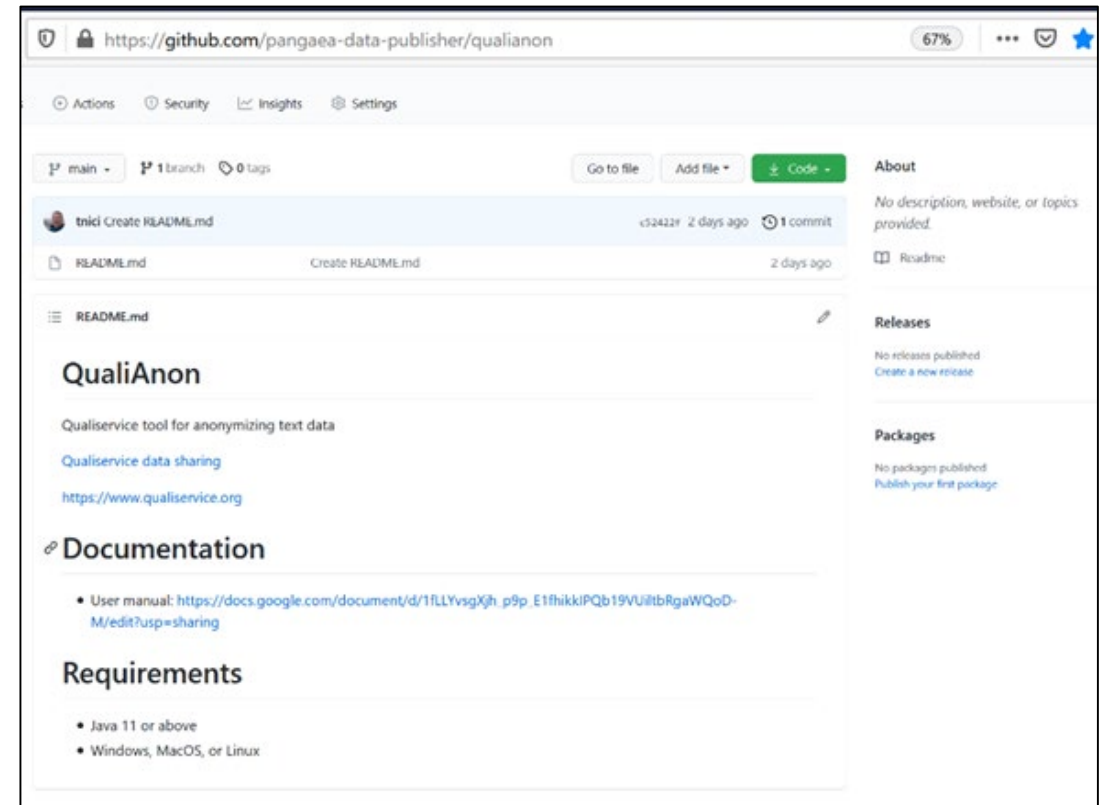
One replacements file for whole project

	A	B	C
1	ID	Role	Gender
2	32b6e5ab-30a5-43ed-b438-fce42ffa2636	interviewer	
3	2ecb601e-c6bb-4afb-a588-96f6490f57e0	interviewee	male

Labels are defined in category schemes

How can I get access?

- General information: www.qualiservice.org
- Access to software:
E-mail to: qualianon@uni-bremen.de
We will register you for the GitHub-project.
- Access to manual:
E-Mail to: qualianon@uni-bremen.de
- We are looking forward to hear about your experiences.



Please see for further information

Web: www.qualiservice.org

Kontakt: info@qualiservice.org

