

# Interactive replicability session

## Methods Hub

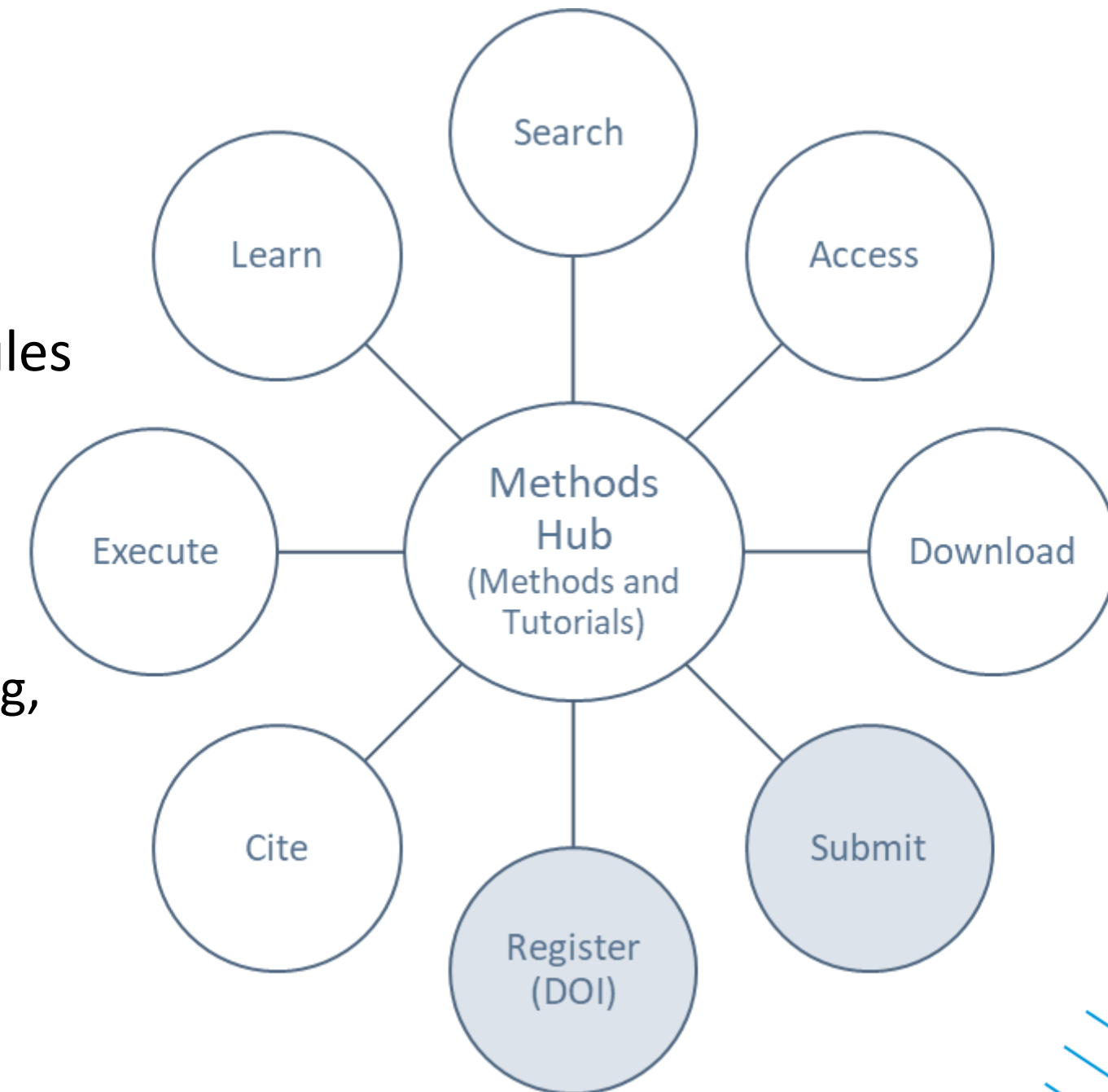
**Taimoor, Lorraine, Arnim**  
(For the Methods Hub Team)  
23 June 2025



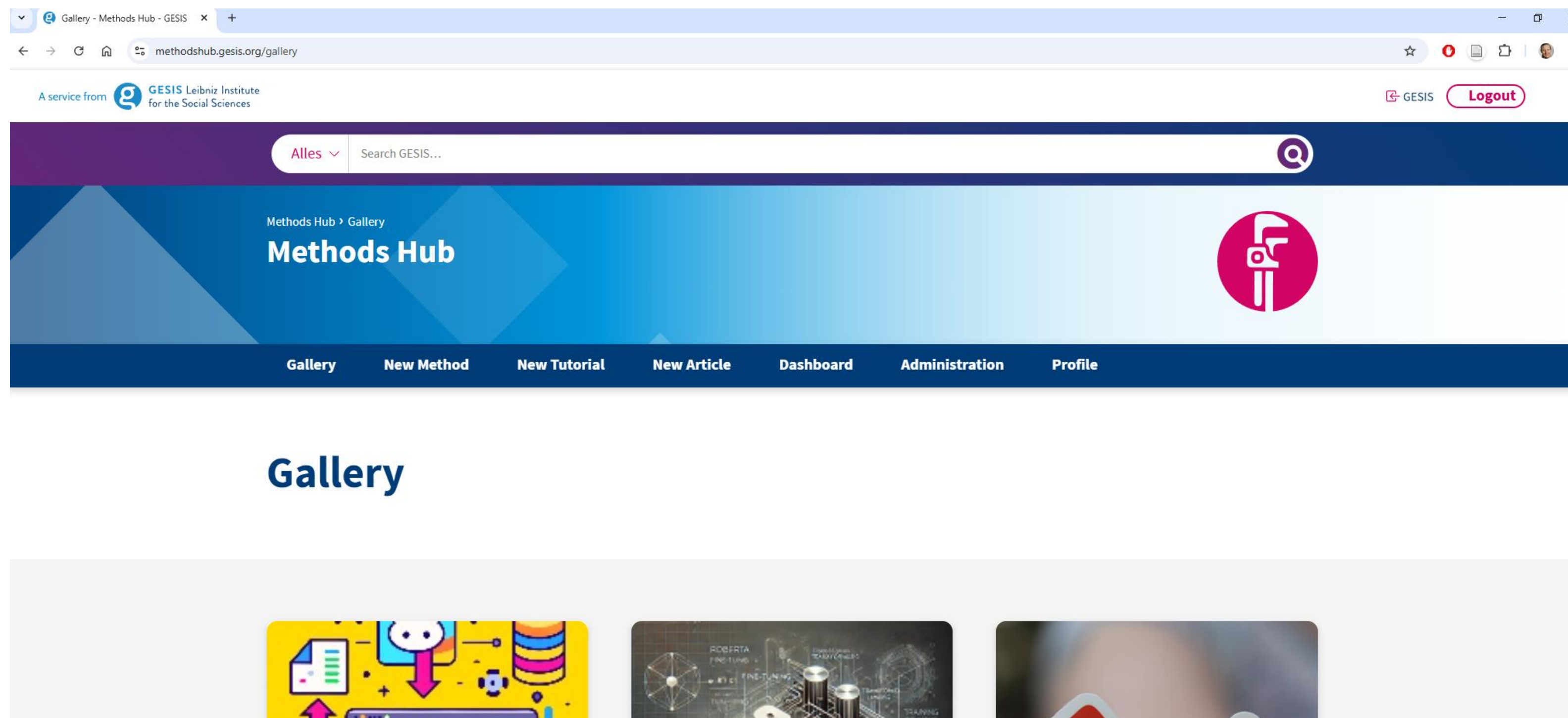
# Methods Hub

Methods Hub is a portal for social scientists

- Offer open-access, quality reviewed content
- Lowers technical barriers to reuse methods
- Encourage building reproducible workflows through reusable modules
- Content
  - **Computational methods:** For collecting, preprocessing, interpreting, analyzing, and visualizing Digital Behavioral Data (DBD)
  - **Tutorials:** A step-by-step guide to demonstrate the application of method(s) for a use case



# That's what it looks like...





# One KTS item

## 4TCT: A 4chan Text Collection Tool

Chang, Po-Chun ([0009-0002-9371-8582](#)); Culbert, Jack ([0009-0000-1581-4021](#))

**Abstract:** 4TCT is a tool for automating the collection of textual data from the 4chan platform, supporting research in social science and computational linguistics. It helps analyze online discourse, community dynamics, and trends, with applications in studying topics like hate speech, conspiracy theories, online extremism, meme culture, and the impact of anonymity on public opinion. (Method test DOI: <https://doi.test.datacite.org/doi/10.80218%2Fcgh3-k721>)

**Document type:** Method

**Code Repository:** <https://github.com/BDA-KTS/4TCT>

**Programming Language:** [python](#)

**License:** GNU Affero General Public License v3.0 or later

**Download URL:** <https://github.com/BDA-KTS/4TCT/archive/refs/heads/main.zip>

## 4TCT: A 4chan Text Collection Tool

### Description

4TCT is a specialized tool designed for the efficient collection of textual data from the [4chan](#) platform. It automates the process of gathering posts from various boards, aiming to facilitate research and analysis in social science and computational linguistics.

This tool is particularly useful for analyzing online discourse, community dynamics, and trends within the 4chan ecosystem. It can support research on topics such as *hate speech*, *conspiracy theories*, *online extremism*, *meme culture*, *information dissemination*, and the impact of anonymous social media on public opinion. The research paper [User unknown: 4chan, anonymity and contingency](#) investigates anonymity and contingency aspects of 4chan in keeping its users unknown.

### Keywords

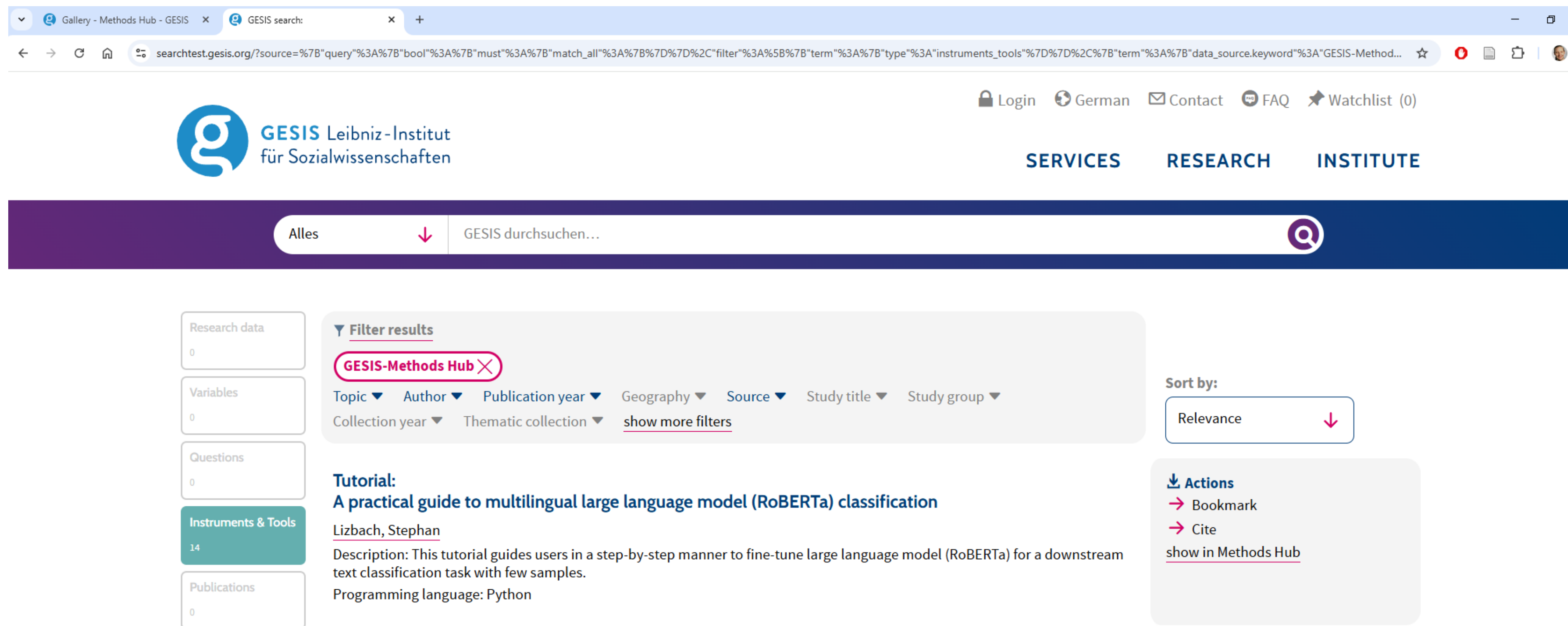
4chan, data collection, data collection tool in Python.

**Social Science Use Case(s)**

### Actions

- [Search in Google Scholar](#)
- [Open in Interactive Environment](#)
- [Open in GitHub Codespaces](#)

# ... in GESIS Search



The screenshot shows the GESIS Search web application. At the top, there's a navigation bar with the GESIS logo, login options, language selection (German), contact, FAQ, and a watchlist. Below this is a search bar with a dropdown menu set to 'Alles' and a search icon. The main content area displays a search result for a tutorial. On the left, there are filters for Research data (0), Variables (0), Questions (0), Instruments & Tools (14), and Publications (0). The search results section shows a filter for 'GESIS-Methods Hub' and various sorting options. The selected result is a tutorial titled 'A practical guide to multilingual large language model (RoBERTa) classification' by Lizbach, Stephan. The description states it's a step-by-step guide for fine-tuning a large language model for text classification. The programming language is Python. On the right, there are action buttons for bookmarking, citing, and showing the item in the Methods Hub. The bottom of the page features a series of dots indicating the current slide position in a presentation.

Gallery - Methods Hub - GESIS x GESIS search: x +

searchtest.gesis.org/?source=%7B"query"%3A%7B"bool"%3A%7B"must"%3A%7B"match\_all"%3A%7B%7D%7D%2C"filter"%3A%5B%7B"term"%3A%7B"type"%3A"instruments\_tools"%7D%7D%2C%7B"term"%3A%7B"data\_source.keyword"%3A"GESIS-Method...

Login German Contact FAQ Watchlist (0)

**GESIS** Leibniz-Institut  
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Research data  
0

Variables  
0

Questions  
0

Instruments & Tools  
14

Publications  
0

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GESIS-Methods Hub X

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**Tutorial:**  
**A practical guide to multilingual large language model (RoBERTa) classification**

Lizbach, Stephan

Description: This tutorial guides users in a step-by-step manner to fine-tune large language model (RoBERTa) for a downstream text classification task with few samples.

Programming language: Python

# <https://methodshub.gesis.org/>

Sample methods/tutorials: <https://github.com/orgs/BDA-KTS/>

Mybinder: <https://mybinder.org/>

