

1 THE CHALLENGE:

2 THE OPPORTUNITY

TOOLS

DATALAD
CREATES A LIGHTWEIGHT AND ABSTRACT DATASET REPRESENTATION

DATALAD METALAD
EXTRACTS AND AGGREGATES METADATA FOR DATASETS AND FILES

DATALAD CATALOG
GENERATES A DATA BROWSER FROM METADATA


StudyForest
Ayán Seungye, Oliver Speck, Rensik Yaluppu, Martin Karanowski, Claus Tempelmeier, Stefan Polkmann, Michael Harké
Version: 0321d0d Modified: 2021-06-26 DOI: not available License: not available

Description:
The StudyForest project centers around the use of the movie Forest Gump, which provides complete sensory input that is both reproducible and is also richly laden with real-life-like content and context. Since its initial release, the StudyForest dataset has grown and been extended substantially, and now encompasses many hours of fMRI scans, structural brain scans, eye-tracking data, and extensive annotations of the movie. It is a one-of-a-kind resource for studying high-level cognition in the human brain under complex, natural situations. The availability of the provided data (some individuals have many ten hours of fMRI data) enables studies for beyond this main focus. This covers a vast range from studies of low-level signal properties and brain structure, to sensory integration and attentional processes, to computational modeling of representational spaces and brain area interactions.

Keywords:
fMRI, TMS, task, T1, T2, T2*, eye-tracking, structural, attention, memory, intelligence, personality, T2T

[Download with Datalad](#) [View on GitHub](#) [Cite](#) [Export metadata](#) [Exchange with Bids](#)

METADATA e.g. via **Datalad** METADATA e.g. via **BIDS** METADATA via ANY CUSTOM OR STANDARD ROUTE



```
{jschema}
```

```
# catalog create      # catalog set-super  
# catalog validate   # catalog remove  
# catalog add         # catalog serve
```

The diagram illustrates the DataCat architecture. At the center is a yellow cat wearing glasses, labeled "DataCat". To the left of the cat is a stack of three document icons, with the text "CATALOG METADATA" written diagonally above them. To the right of the cat is a "BROWSER INTERFACE" section, indicated by a downward arrow. This interface includes icons for "vue.js", "css", and "html", which are grouped together by a large curly bracket on the right. Upward arrows point from the "CATALOG METADATA" and the "BROWSER INTERFACE" towards the central "DataCat" cat.

FAIRLY Big Cat

BROWSER-BASED DATA CATALOG

- BRANCH PER DATASET
 - 1 CLONE DATASET
 - 2 EXTRACT METADATA
 - 3 TRANSLATE METADATA
 - 4 ADD TO CATALOG
- OCTOPUS MERGE

EXPLORE

DEMO: datalad.github.io/datalad-catalog

TUTORIAL: github.com/datalad/datalad-catalog#tutorial

INSTALL

pip install datalad-catalog

CONTRIBUTE

DATA-LAD-CATALOG: github.com/datalad/datalad-catalog

FAIRLY-BIG-CAT: github.com/jsheunis/fairly-big-catalog-workflow