

Dataset-JSON Hackathon

The team has worked on 3 projects:

- stream-dataset-json
- serve-dataset-json
- view-dataset-json

Developed by:

- Juan Abdon
- Ivan Osipov
- Mauro Bringas
- Dmitry Kolosov

steam-dataset-json



Python library to read Dataset-JSON files

- Supports stream reading
- Available on PyPi: <https://pypi.org/project/stream-dataset-json/>
- There are two main classes:
 - **DatasetJSON**
 - `get_dataset`
 - `available_datasets`
 - **Dataset**
 - `get_unique_values`
 - `observations`

serve-dataset-json

Python library to serve Dataset-JSON over API

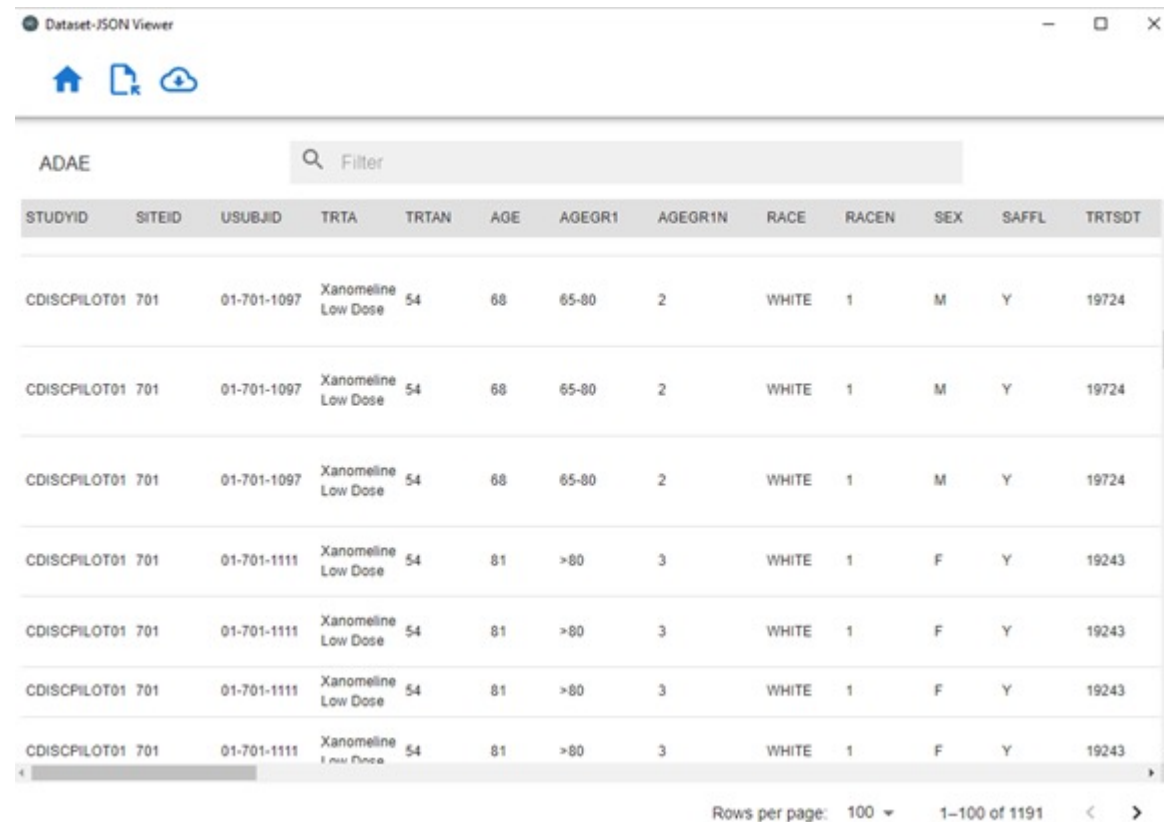
- Streams one or multiple Dataset-JSON files
- Implements the following endpoints:

GET	/jsons	Get All Jsons	▼
POST	/jsons	Open Json Path	▼
DELETE	/jsons/{json_id}	Close Json	▼
GET	/jsons/{json_id}/datasets	Get All Datasets	▼
GET	/jsons/{json_id}/datasets/{dataset_name}/metadata	Get Dataset Metadata	▼
GET	/jsons/{json_id}/datasets/{dataset_name}/observations	Get Dataset Observations	▼

view-dataset-json

A viewer for dataset-json files

- Open files locally
- Open files served via API
- Written in TypeScript
- Uses Electron and Material-UI

A screenshot of the 'Dataset-JSON Viewer' application. The window title is 'Dataset-JSON Viewer'. Below the title bar are three icons: a home icon, a document icon, and a cloud icon. The main content area shows a table with the title 'ADAE' and a search filter input. The table has 13 columns: STUDYID, SITEID, USUBJID, TRTA, TRTAN, AGE, AGEGR1, AGEGR1N, RACE, RACEN, SEX, SAFFL, and TRTSDT. The table contains 7 rows of data. At the bottom right, there is a pagination control showing 'Rows per page: 100' and '1-100 of 1191'.