Dataset-JSON Hackathon

The team has worked on 3 projects:
- stream-dataset-json
- serve-dataset-json
- view-dataset-json

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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:

<table>
<thead>
<tr>
<th>Method</th>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>/json</td>
<td>Get All Jsons</td>
</tr>
<tr>
<td>POST</td>
<td>/json open</td>
<td>Open Json Path</td>
</tr>
<tr>
<td>DELETE</td>
<td>/json/{json_id}</td>
<td>Close Json</td>
</tr>
<tr>
<td>GET</td>
<td>/json/{json_id}/datasets</td>
<td>Get All Datasets</td>
</tr>
<tr>
<td>GET</td>
<td>/json/{json_id}/datasets/{dataset_name}/metadata</td>
<td>Get Dataset Metadata</td>
</tr>
<tr>
<td>GET</td>
<td>/json/{json_id}/datasets/{dataset_name}/observations</td>
<td>Get Dataset Observations</td>
</tr>
</tbody>
</table>
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