

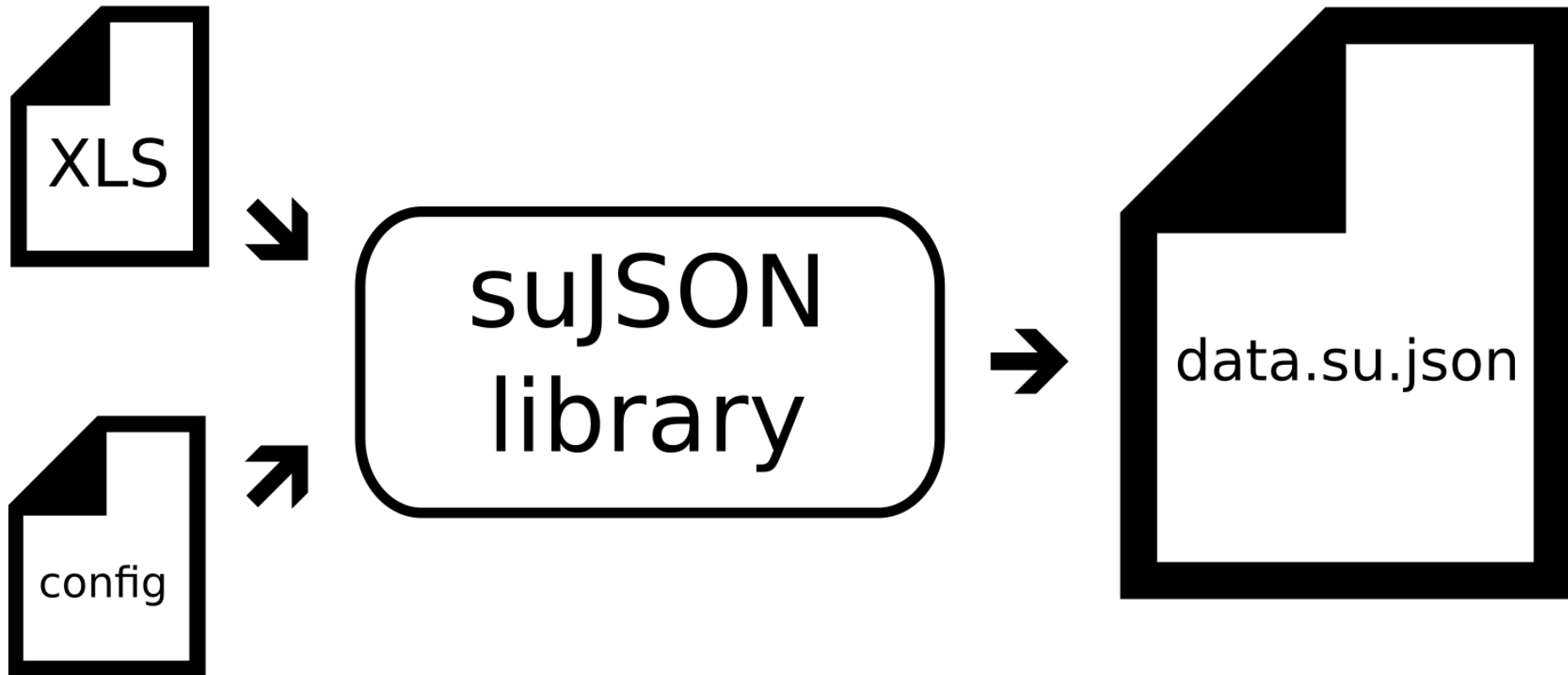
**AGH**



# suJSON - A Uniform JSON-based Subjective Data Format

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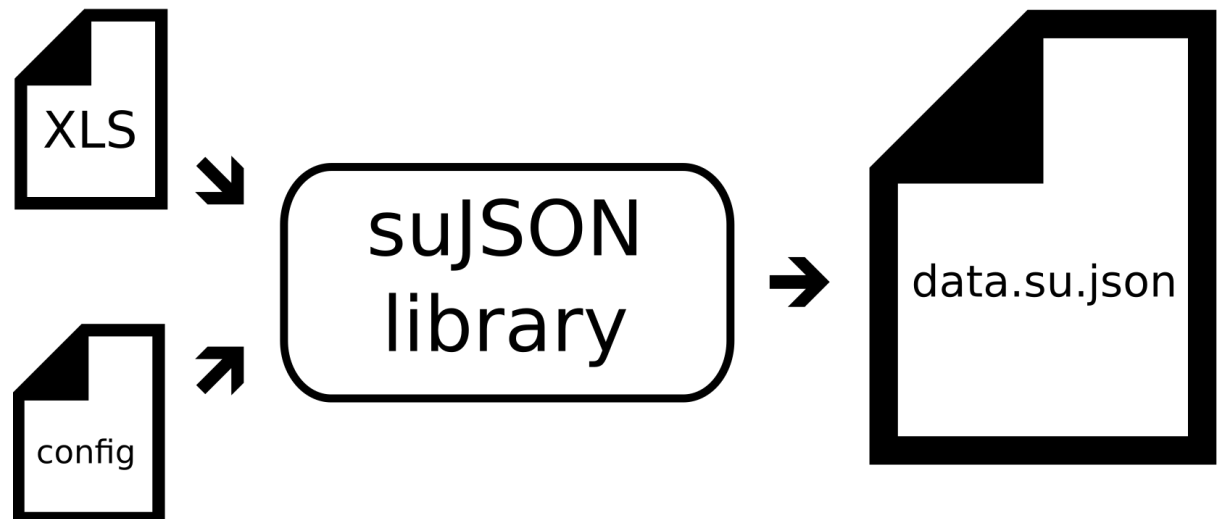
# Ingest an XLS File



# Ingest an XLS File cont.



```
$ python -m sujson ingest exp1_data.xls \  
-c exp1_data.config.json \  
-o exp1.su.json
```



```
1 {
2   "dataset_name": "its4s",
3   "sujson_version": "0.0.1",
4   "characteristics": { ...
15  },
16  "tasks": [ ...
21  ],
22  "scales": [ ...
35  ],
36  "questions": [ ...
42  ],
43  "src": [ ...
680 ],
681 "hrc": [ ...
710 ],
711 "pvs": [ ...
5590 ],
5591 "subjects": [ ...
5673 ],
5674 "trials": [ ...
159332 ],
159333 "scores": [ ...
291040 ]
291041 }
```



# Ingest an XLS File cont.



```
1  {
2    "sheet_hdr_name": "NTIA",
3    "header_row_pos": 0,
4    "footer_rows_to_skip": 8,
5    "src_hdr_name": "SRC",
6    "hrc_hdr_name": "HRC",
7    "file_hdr_name": "File_Name",
8    "is_tidy": false,
9    "subject_column_name": "user_number",
10   "subject_hdr_name": "user_number",
```



- **Motivation** To allow frictionless data exchange
- **Impact**
  - Optimised and improved research
    - reuse of existing data sets
    - shorter data preparation - ideally, done only once
  - Easier environment for building tools
  - Increased data reach



- **Goals**

- A uniform interface for subjective data exchange
- Universal enough to describe all subjective tests
- Should capture as much information as possible
- No additional text files required

- **Assumptions**

- We start from subjective tests for video
- We plan to address all types of subjective tests



- **Tools for suJSON**
  - Adapted to be a PyPI package
  - A preliminary implementation of extracting information from filenames
  - More documentation
- **suJSON**
  - Shown to be working for Pair Comparison



# We are working on...



- **Tools for suJSON**
  - First usable version
  - Representative working examples
  - More thorough documentation (e.g., preferred XLS/CSV format)
  - Heuristics identifying what input are we dealing with
- **suJSON** More thorough documentation (e.g., what do we mean by a given keyword)

# Near-Future Targets



- Release first usable version
- **Get more people involved**
- Secure some funding



**Our GitHub repo**

# Questions



1. What are the problems you are struggling with (and suJSON can potentially solve)?



# Thank You



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