

Exercise 2 — Error Hunting

Time: 20 min

Goal: Find common import/validation failures fast and explain why they fail.

Input

- `bad_examples/` files in this folder

Do this

1. Open **Converter** and load one bad file at a time.
2. Check preview + mapping behavior.
3. Run **Validate** and note top errors.
4. Pick one file, fix it in VS Code, re-import, re-validate.

Hunt targets


- not really TSV
- duplicate participant rows
- impossible value for a scale
- empty file

Done when

- You can explain at least 3 distinct error types.
- You fixed at least 1 bad file and saw fewer errors after re-validation.

Next

Go to `../exercise_3_using_recipes/INSTRUCTIONS.md`.



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PRISM Studio

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Dataset Validation

Validate your psychological dataset structure and metadata

Dataset Validation

The PRISM Validator ensures your dataset follows the PRISM structure and BIDS standards. It checks for required files, naming conventions, and validates metadata against JSON schemas.

1. Select Dataset

Select your dataset folder

Choose a folder to start validation

Browse Folder

2. Schema Version

stable (default)

Select the schema version to use for validation. "stable" is recommended.

2b. Template Library Root (Optional)

../official/library

If your dataset uses external survey/biometrics templates, specify the library folder here.

3. Validation Mode

Full Validation (PRISM + BIDS)

Recommended. Validates PRISM extensions and runs the official BIDS validator.

PRISM Only

Only validates PRISM-specific modalities (survey, biometrics, etc.) and structure.

BIDS Only

Only runs the standard BIDS validator. Skips PRISM-specific schema checks.

Show BIDS Warnings (can be verbose)

Choose how you want to validate your dataset.

Start Validation

Select a folder to start validation

Privacy First

Files are processed locally. Nothing is uploaded to external servers.

BIDS Ready

Ensures your dataset is compatible with standard BIDS tools and apps.

Detailed Reports

Comprehensive validation results with statistics and error categorization.

Lab Contact

Karl Koschutnig
MRI-Lab Graz
karl.koschutnig@uni-graz.at

Browser Compatibility

Folder Upload: Requires Chrome 21+, Firefox 50+, Safari 11.1+, or Edge 79+

Expected Dataset Structure

```
dataset/
├── dataset_description.json
├── participants.tsv (optional)
├── sub-01/
│   ├── ses-001/ (optional)
│   │   ├── survey/
│   │   └── biometrics/
│   └── anat/
└── sub-02/
    └── ...
```

Supported Modalities:

survey/

 - Survey/Behavioral responses

biometrics/


 - Biometric assessments (VO2max, planks)

physiological/

 - Standard BIDS physio

PRISM Studio version 1.0.0

Note: Dataset validation is performed locally. Files are never uploaded to external servers.



MRI-Lab Graz
University of Graz

karl.koschutnig@uni-graz.at

GitHub: MRI-Lab-Graz

Report an Issue

Maintained by Karl Koschutnig

Built with ❤️ for the research community

Figure 1: Validation

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