

## 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.

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**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/
        anat/
        biometrics/
    anat/
  sub-02/
  ...

```

**Supported Modalities:**

- survey/ - Survey/Behavioral responses
- biometrics/ - Biometric assessments (VO2max, planks)
- physiological/ - Standard BIDS physio

PRISM Studio version: 2.0.0

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

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Report an issue

Maintained by Karl Koschutnig  
Built with ❤ for the research community

Figure 1: Validation 2