

Exercise 5 — Import Participant Data

Time: 20 min

Goal: Convert demographic columns into a clean `participants.tsv` with standard values.

The screenshot shows the Prism Converter web application interface. At the top, there is a navigation bar with the MRI-LAB GRAZ logo and links for Home, Projects, Validator, Converter, Tools, Specs, Docs, and Quit. Below the navigation bar, the main heading is "Prism Converter" with a subtitle "Convert Survey, Biometrics, Physio, and Eyetracking inputs to PRISM/BIDS-style outputs." The interface is divided into two main sections. The first section, "Participant Data Management", includes a "Participant Data File" section with a "Choose File" button and a "No file chosen" message. It also has a "Sheet Name/Index (Excel only)" field with the value "0" and an "ID Column (optional)" field with the value "participant_id". Below these fields are three buttons: "1. Preview Data", "Add Additional Variables (Optional)", and "2. Extract & Convert". The second section, "Participant Annotation & Harmonization", includes an "Annotate Participants" button and a "How participant annotation works:" section with a list of four steps. The footer of the application contains the MRI-Lab Graz logo, contact information for Karl Koschutnig, and a note about the application being maintained by Karl Koschutnig.

Figure 1: Participant Mapping

Input

- `raw_data/wellbeing.tsv`
- Active project from Exercise 0

Do this

1. Go to **Converter**.
2. Load `raw_data/wellbeing.tsv`.
3. Confirm column mappings:

- `participant_id` → participant id
 - `session` → session
4. Add/confirm participant value mapping:
 - `sex`: 1 → M, 2 → F, 4 → 0
 - `handedness`: 1 → R, 2 → L
 - `education` → `education_level`
 5. Save mapping as `code/library/participants_mapping.json`.
 6. Run conversion.

Done when

- `rawdata/participants.tsv` exists.
- Sex and handedness are recoded (letters, not raw numeric codes).
- Validation has no participant-column naming errors.

If stuck

- Mapping file must be exactly `participants_mapping.json`.
- Column names are case-sensitive.
- Keep mapping file in `code/library/`.

Next

Go to `../exercise_1_raw_data/INSTRUCTIONS.md` (survey import).