

# fmriprep

## Commonly Encountered Errors

### 1. Participant Label doesn't match:

The participant label used in the dcm2bids command while generating the BIDS structured data folder should match with the participant label provided in the fmriprep command. If the label provided with dcm2bids is 01, and fmriprep is 1, the command still will not work.

**Message:** Data for requested participant(s) label(s) not found. Could not find data for participant(s): 02. Please verify the requested participant labels.

### 2. EchoTimes of both Magnitude images have not been incorporated into the Phase Difference .json file:

The Phase difference .json file generated by dcm2bids will only include the EchoTime for the second magnitude image. The TE corresponding to the first magnitude image (shorter echo time) needs to be manually entered into the Phase Diff. .json file with the Label "EchoTime1":value, and the existing EchoTime field (corresponding to second magnitude image) needs to be renamed to "EchoTime2":value from "EchoTime".

**Message:** [ERR] You have to define 'EchoTime1' and 'EchoTime2' for this file. (code: 15 - ECHO\_TIME1-2\_NOT\_DEFINED)

### 3. Running the fmriprep-docker command without sudo.

Administrative privileges are required to connect to docker, hence the command will not run without the sudo option.

**Message:** Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock

### 4. Full folder paths to the BIDS input and fmriprep output folders, and the full path to the freesurfer license file must be provided.

As the BIDS folder and the Output folder will not both be the current directory, it is imperative that the full paths be provided for the command to run successfully..

### 5. The tmp\_dcm2bids/helper subfolder created while using dcm2bids has not been deleted prior to running fmriprep.

This folder is only meant to be used as a reference file while creating a BIDS compliant folder, and is not a part of the BIDS syntax. This will throw up an error right at the BIDS validator stage of fmriprep

**Message:** [ERR] Files with such naming scheme are not part of BIDS specification. This error is most commonly caused by typos in file names that make them not BIDS compatible ...Please note that derived (processed) data should be placed in /derivatives folder and source data (such as DICOMS or behavioural logs in proprietary formats) should be placed in the /sourcedata folder. (code: 1 - NOT\_INCLUDED)

`./tmp_dcm2bids/helper/002_002_S_1155_Accelerated_Sagittal_MPRAGE_20170424132133.json...`

**6. The server runs out of space**

The process suddenly stops, and there is no descriptive error message. It only says process terminated/ aborted at a random stage, depending on the when the storage space ran out.

**7. The fMRI .json file doesn't contain slice timing information, but the `--ignore slicetiming` flag has not been used with the command.**

If slice timing information is absent, it is mandatory to use this flag to avoid an error.