

HALFPipe

Welcome to ENIGMA HALFpipe!

You are using version 1.2.2.post1.dev749+g34cf879

Please report any problems or leave suggestions at

<https://github.com/HALFpipe/HALFpipe/issues>

Specify working directory

[]

Is the data available in BIDS format?

[Yes] [No]

Specify the path of the BIDS directory

Found 2 T1-weighted image files for 2 subjects

Found 8 BOLD image files for 2 directions, 2 runs, 2 subjects, and 1 task

Do slice timing?

[Yes] [No]

Remove initial volumes from scans?

[10] [Detect non-steady-state via algorithm]

Found 8 field map image files for 2 directions, 2 runs, and 2 subjects

Specify first-level features?

[Yes] [No]

Output a preprocessed image?

[Yes] [No]

Specify image name

[TestMuSubpreproc]

Specify images to use

Direction [*] "AP" [*] "PA"

Run [0] Ok [*] "1" [*] "2" cursor [ctrl-c] Cancel

[000] Ok space] Toggle checked/unchecked [000 000 000 000] Change selection [ctrl-c] Cancel

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Specify images to use
Direction [*] "AP" [*] "PA"
Run [0] Ok [*] "1" [*] "2"cursor [ctrl-c] Cancel

Apply smoothing?
[Yes] [No]

Do grand mean scaling?
[Yes] [No]

Specify grand mean
[10000.0]

Apply a temporal filter?
[Yes] [No]

Specify the type of temporal filter
[Gaussian-weighted]
[Frequency-based]

Specify the filter cutoff frequencies in Hz
Low cutoff [0.01] [Skip]
High cutoff [0.1] [Skip]

Remove confounds?
[*] ICA-AROMA
[ ] Motion parameters
[ ] Derivatives of motion parameters
[ ] Motion parameters squared
[ ] Derivatives of motion parameters squared
[*] aCompCor (top five components)
[ ] White matter signal
[ ] CSF signal
[ ] Global signal

Output another preprocessed image?
[Yes] [No]

[000] Ok [000 000] Change selection [ctrl-c] Cancel
```

```
(base) kLab@kLab:/mnt/data3/HALFpipe/TestMuSub$ singularity run --containall --bind /:/ext /mnt/data3/HALFpipe/halfpipe-latest.sif --verbose
[2024-07-09 11:27:31,0075] [halfpipe ] [INFO ] HALFpipe version 1.2.2.post1.dev749+g34cf879
[2024-07-09 11:27:31,0075] [halfpipe ] [INFO ] Stage: spec-ui
[2024-07-09 11:29:14,0710] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-01_bold.json
[2024-07-09 11:29:14,0781] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-01_sbref.json
[2024-07-09 11:29:14,0807] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-02_bold.json
[2024-07-09 11:29:14,0841] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-02_sbref.json
[2024-07-09 11:29:14,0858] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-PA_r
un-01_bold.json
[2024-07-09 11:29:14,0888] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-PA_r
un-01_sbref.json
[2024-07-09 11:29:14,0904] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-PA_r
un-02_bold.json
[2024-07-09 11:29:14,0933] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-PA_r
un-02_sbref.json
[2024-07-09 11:29:14,0965] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-01_bold.json
[2024-07-09 11:29:14,0995] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-01_sbref.json
[2024-07-09 11:29:15,0010] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-02_bold.json
[2024-07-09 11:29:15,0039] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-02_sbref.json
[2024-07-09 11:29:15,0054] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-01_bold.json
[2024-07-09 11:29:15,0084] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-01_sbref.json
[2024-07-09 11:29:15,0099] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-02_bold.json
[2024-07-09 11:29:15,0128] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-02_sbref.json
[2024-07-09 11:31:45,0378] [halfpipe ] [INFO ] Stage: workflow
[2024-07-09 11:31:45,0378] [halfpipe ] [INFO ] config.nipype.omp_nthreads=8 (inferred)
[2024-07-09 11:31:56,0136] [halfpipe ] [INFO ] Loading spec file "/ext/mnt/data3/HALFpipe/TestMuSub/spec.json"
[2024-07-09 11:31:56,0139] [halfpipe ] [INFO ] Initializing file database
[2024-07-09 11:31:56,0264] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-01_bold.json
[2024-07-09 11:31:56,0270] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-01_sbref.json
[2024-07-09 11:31:56,0274] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-02_bold.json
[2024-07-09 11:31:56,0279] [halfpipe ] [WARNING] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2010151730/func/sub-K2010151730_task-rest_dir-AP_r
un-02_sbref.json
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[2024-07-09 11:31:56,0318] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-01_bold.json
[2024-07-09 11:31:56,0323] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-01_sbref.json
[2024-07-09 11:31:56,0328] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-02_bold.json
[2024-07-09 11:31:56,0332] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag AP for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-AP_r
un-02_sbref.json
[2024-07-09 11:31:56,0337] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-01_bold.json
[2024-07-09 11:31:56,0341] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-01_sbref.json
[2024-07-09 11:31:56,0346] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-02_bold.json
[2024-07-09 11:31:56,0351] [halfpipe ] [WARNING ] Could not parse phase encoding direction from tag PA for /ext/mnt/data3/HALFpipe/TestMuSub/sub-K2109151630/func/sub-K2109151630_task-rest_dir-PA_r
un-02_sbref.json
[2024-07-09 11:31:56,0358] [halfpipe ] [INFO ] Initializing new workflow e4d15bee
[2024-07-09 11:32:01,0611] [nipype.workflow ] [IMPORTANT]
000 Running fMRIPREP version 20.2.7+halfpipe.2:
000 * BIDS dataset path: /ext/mnt/data3/HALFpipe/TestMuSub/rawdata.
000 * Participant list: ['K2010151730', 'K2109151630'].
000 * Run identifier: 20240709-112731_d607b1d4-fce5-469c-abcd-5f4aebde55f6.
000000 * Output spaces: MNI152NLin2009cAsym:res-2.
[2024-07-09 11:32:02,0238] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2010151730_task-rest_dir-AP_run-1_sbref.nii.gz.
[2024-07-09 11:32:03,0355] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2010151730_task-rest_dir-AP_run-2_sbref.nii.gz.
[2024-07-09 11:32:03,0836] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2010151730_task-rest_dir-PA_run-1_sbref.nii.gz.
[2024-07-09 11:32:04,0315] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2010151730_task-rest_dir-PA_run-2_sbref.nii.gz.
[2024-07-09 11:32:05,0072] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2109151630_task-rest_dir-AP_run-1_sbref.nii.gz.
[2024-07-09 11:32:05,0534] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2109151630_task-rest_dir-AP_run-2_sbref.nii.gz.
[2024-07-09 11:32:06,0020] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2109151630_task-rest_dir-PA_run-1_sbref.nii.gz.
[2024-07-09 11:32:06,0801] [nipype.workflow ] [INFO ] Using single-band reference file(s) sub-K2109151630_task-rest_dir-PA_run-2_sbref.nii.gz.
[2024-07-09 11:32:07,0241] [nipype.workflow ] [INFO ] fMRIPrep workflow graph with 2398 nodes built successfully.
[2024-07-09 11:32:09,0871] [halfpipe ] [INFO ] Finished workflow e4d15bee
[2024-07-09 11:32:10,0615] [halfpipe ] [INFO ] Generating flat graph
[2024-07-09 11:32:11,0743] [halfpipe ] [INFO ] Set needed outputs per node
[2024-07-09 11:32:11,0775] [halfpipe ] [INFO ] Splitting graph
[2024-07-09 11:32:11,0871] [halfpipe ] [INFO ] Expanding subgraphs
[2024-07-09 11:32:13,0394] [halfpipe ] [INFO ] Update input source at chunk boundaries
[2024-07-09 11:32:13,0396] [halfpipe ] [INFO ] Created graphs for workflow "e4d15bee"
[2024-07-09 11:32:13,0927] [halfpipe ] [INFO ] Stage: run
[2024-07-09 11:32:13,0927] [halfpipe ] [INFO ] Using graphs from previous step
[2024-07-09 11:32:14,0804] [halfpipe ] [INFO ] Using a patched version of nipype_run plugin "MultiProcPlugin"
[2024-07-09 11:32:14,0890] [halfpipe ] [ERROR ] Exception: fMRIPrep needs to use FreeSurfer commands, but a valid license file for FreeSurfer could not be found.
000 HALFpipe looked for an existing license file at several paths, in this order:
000 1) a "license.txt" file in your HALFpipe working directory
000 2) command line argument "--fs-license-file"
000000Get it (for free) by registering at https://surfer.nmr.mgh.harvard.edu/registration.html
(base) KLab@KLab: /mnt/data3/HALFpipe/TestMuSub$
```