

Close

Applications Places | Wed 14:20 | CONN functional connectivity toolbox (15.4) | Tools Help

Setup | Denoising | first-level Analyses | second-level Results

Project

Basic
Structural
Functional
ROIs
Conditions
Covariates
Options

Preprocessing
Done

CONN data preprocessing pipeline

Data preprocessing steps:
preprocessing pipeline for surface-based analyses (in subject-space)

INPUT: structural&functional volumes
OUTPUT (all in subject-space): skull-stripped structural volume, Gray/White/CSF masks, realigned slice-time corrected coregistered functional volumes, subject movement 'realignment' and 'scrubbing' 1st-level covariate

☒ Process all subjects

Data preprocessing pipeline:

- functional Realignment & unwarp
- functional Slice-timing correction
- functional Coregistration to structural
- structural Segmentation
- functional Outlier detection (ART-based scrubbing)

OK Cancel

~ ROI tools:

Project: /data/projects/ENDO/SPMConn_freesurfer/hyper/conn_project/hyper.mat
Storage: 5588.6GB available (1.0%)

```
warning: no valid data for ROI atlas.sLOC_r (Lateral Occipital Cortex, superior division Right) in /data/projects/ENDO/SPMConn_freesurfer/Hyper
warning: no valid data for ROI atlas.sLOC_l (Lateral Occipital Cortex, superior division Left) in /data/projects/ENDO/SPMConn_freesurfer/Hyper
warning: no valid data for ROI atlas.SMA_r (Juxtapositional Lobule Cortex -formerly Supplementary Motor Cortex- Right) in /data/projects/ENDO/SPMConn_freesurfer/Hyper
warning: no valid data for ROI atlas.SMA_l (Juxtapositional Lobule Cortex -formerly Supplementary Motor Cortex- Left) in /data/projects/ENDO/SPMConn_freesurfer/Hyper
warning: no valid data for ROI atlas.Cuneal_r (Cuneal Cortex Right) in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI atlas.Cuneal_l (Cuneal Cortex Left) in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI atlas.PC_r (Parietal Operculum Cortex Right) in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI atlas.SCC_r (Supracalcarine Cortex Right) in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI atlas.SCC_l (Supracalcarine Cortex Left) in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI den.PCC in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
warning: no valid data for ROI den.LLP in /data/projects/ENDO/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
Warning: potential problem interpreting ROI-label file. Assuming non-labeled ROI file
```

Start | jianc@mcri-N0186 /d... | MATLAB 7.11.0 (R201... | SPM12b (5495) Menu | CONN Functional con... | jianc@mcri-N0186 /d... | CONN data preproc...

Applications Places Wed 14:20

CONN functional connectivity toolbox (15.a)

Setup Denoising first-level Analyses second-level Results Tools Help

Project

ROI DATA

ROIs	Subjects	ROI name	Dimensions
Grey Matter	Subject 1	freesurfer	1
White Matter	Subject 2		
CSF	Subject 3		
atlas	Subject 4		
dms	Subject 5		
freesurfer	Subject 6		
	Subject 7		
	Subject 8		
	Subject 9		
	Subject 10		

ROI name: freesurfer

Dimensions: 1

Multiple ROIs: ☒

Mask with Grey Matter: ☐

Subject-specific ROI: ☒

Session-specific ROI: ☒

Use ROI source data: ☒

Regress out covariates: ☐

[1 file x (size 256 256 256)]
/dat ... mri/aparc.a2009s+aseg.nii

~ ROI tools:

Select ROI definition files

SPMselect

Folder: /data/projects/END0/SPMConn_freesurfer/Hyper

Filter: *.img; *.nii; *.tal; *.mgh; *.imgz

Regexp:

art_mask.img
Resting_1.nii
Resting_2.nii
Resting_3.nii
meanuResting_1.nii
uResting_1.nii
uResting_2.nii

Select Find

warning: no valid data for ROI atlas.dLOC_r (Lateral Occipital Cortex, superior division Right) in /data/projects/END0/SPMConn_freesurfer/Hyper
warning: no valid data for ROI atlas.dLOC_l (Lateral Occipital Cortex, superior division Left) in /data/projects/END0/SPMConn_freesurfer/Hyper
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warning: no valid data for ROI den.LLP in /data/projects/END0/SPMConn_freesurfer/Hyper/D18_01/uResting_1.nii (scan # 1/250)
Warning: potential problem interpreting ROI-label file. Assuming non-labeled ROI file

storage: 55886Gb available (10%)

Info: dicomInfo(1,3,12,2,1107,5)
Info: RepetitionTime
%-- 04/09/15 03:07:12 PM --%
%-- 09/09/15 04:30:20 PM --%
--adopath --/spw12b/
--spw
--rpath /home/jiann/spw12b/toolbo
--2
--rpath /home/jiann/spw12b/toolbo
--1s
--cd D18_01
--1s

Start

jiann@mri-N0186 /d ... MATLAB 7.11.0 (R201... SPM12b (5495) Menu CONN functional con... jiann@mri-N0186 /d ...