SPM data preprocessing pipeline

Data preprocessing pipeline:

functional Label current functional files as part of list of Secondary Datasets ("original data" label)
functional Realignment & unwarp (subject motion estimation and correction)
functional Center to (0,0,0) coordinates (translation)
functional Slice-timing correction
functional Outlier detection (ART-based identification of outlier scans for scrubbing)
structural Center to (0,0,0) coordinates (translation)
functional Indirect Segmentation & Normalization (coregister functional/structural; structural segmentation & normalization; apply same
functional Label current functional files as part of list of Secondary Datasets ("mni-space data" label)
functional Smoothing (spatial convolution with Gaussian kernel)
functional Label current functional files as part of list of Secondary Datasets ("smoothed data" label)

Add
Remove
Move up
Move down
Save
Load

Step 7/10: functional Indirect Segmentation & Normalization (coregister functional/structural; structural segmentation & normalization; apply same deformation field to functional)

INPUT: structural volume; functional volumes
OUTPUT: skull-stripped normalized structural volume, normalized Grey/White/CSF masks; normalized functional volumes (all in MNI space)

☐ First functional volume as reference

Process primary dataset

local processing (run on this computer)

☑ Process all subjects

☑ Process all sessions

Start
Cancel