Tutorial: Basic introduction to SPM

Methods and Models in fMRI, 20.09.2016

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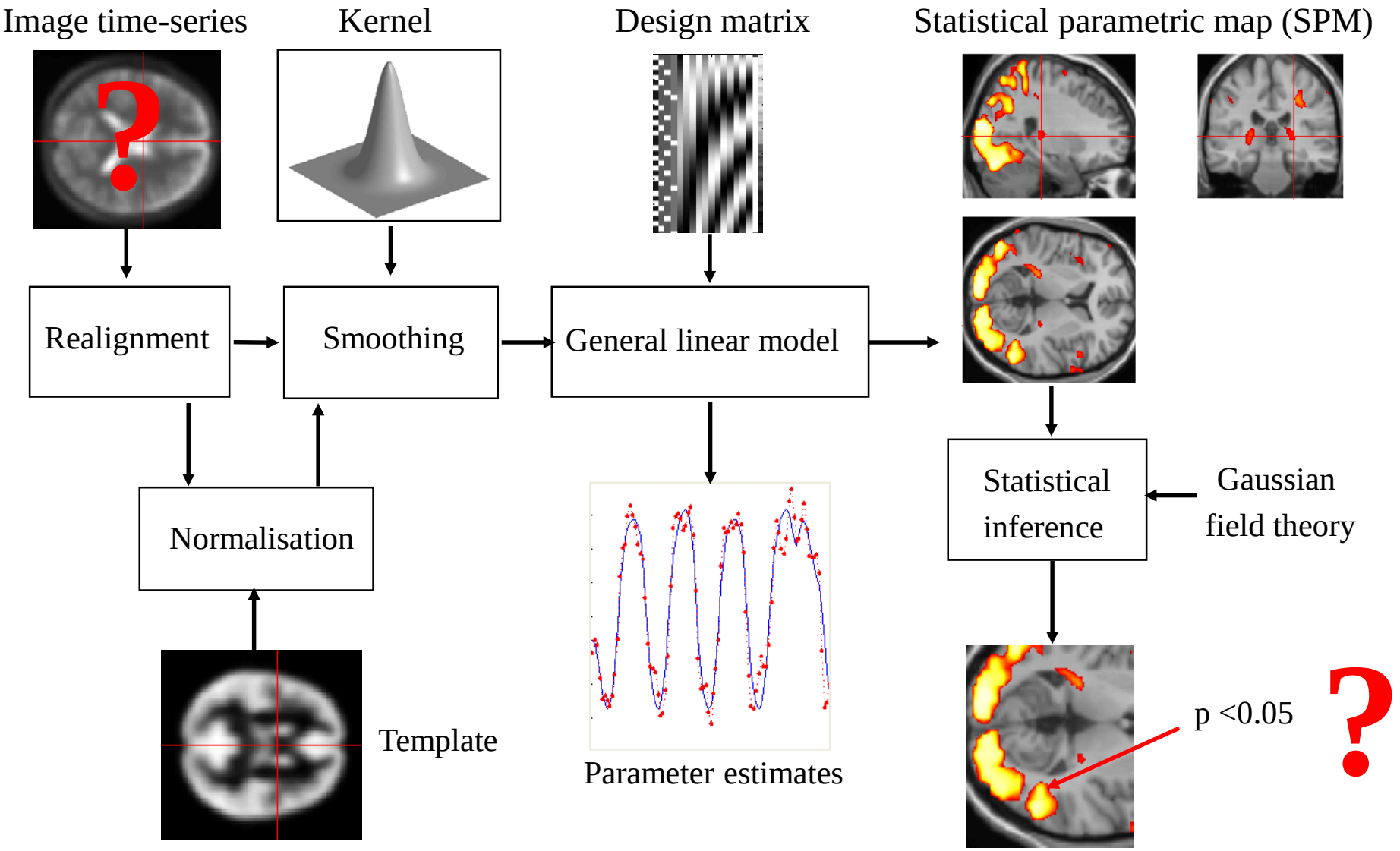
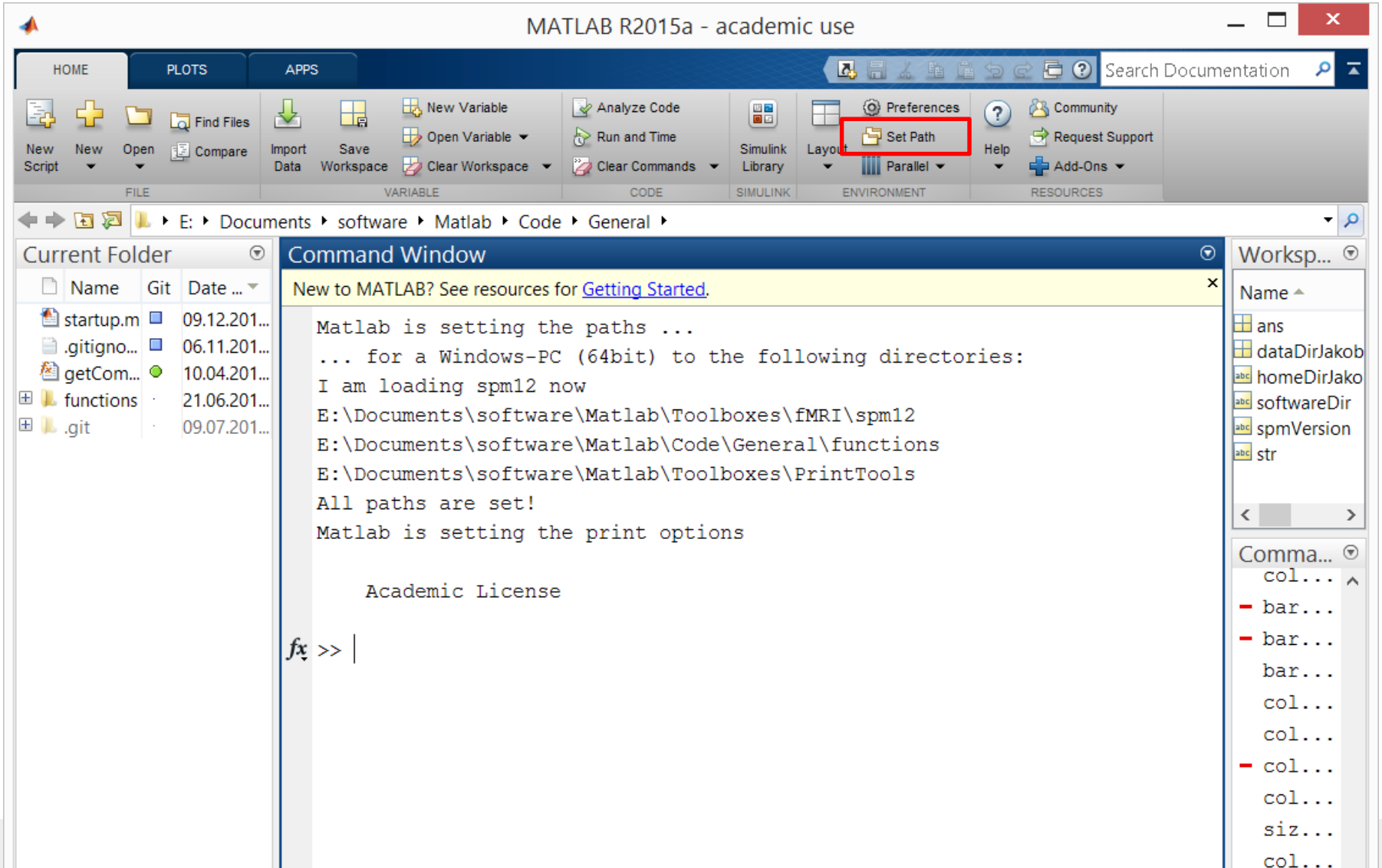
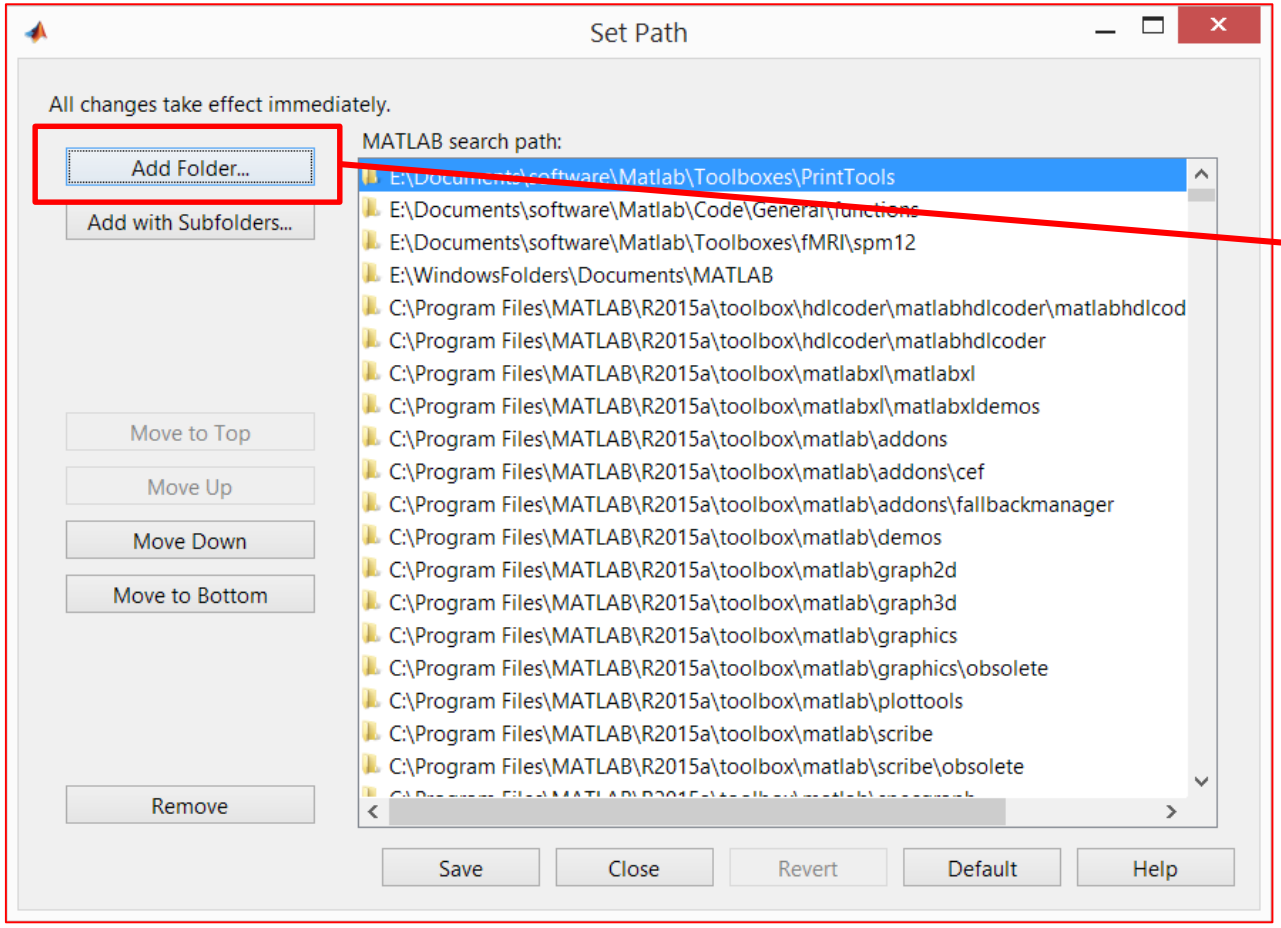
Overview of SPM



Set path for SPM

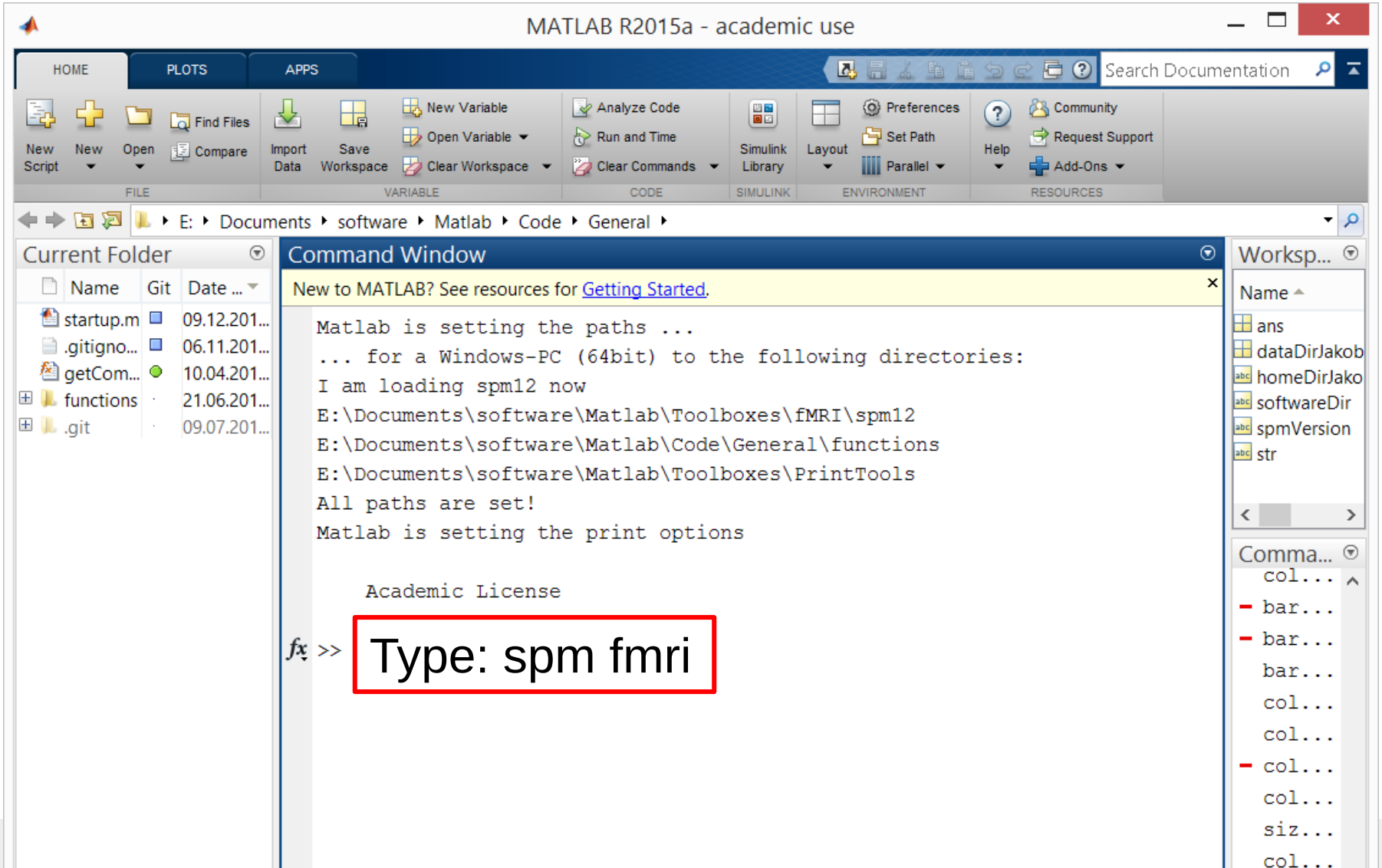


Set path for SPM

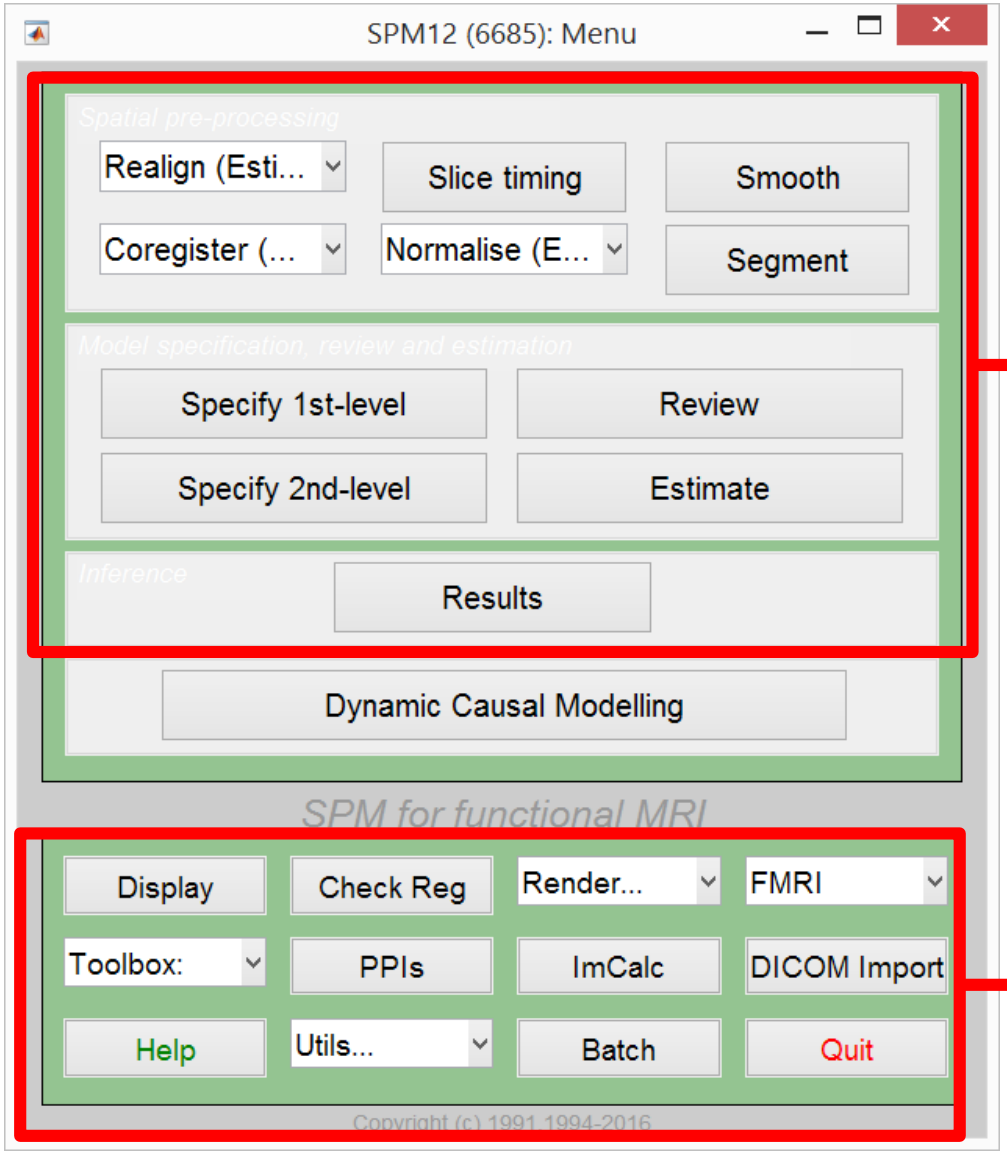


Select the SPM folder.

Starting SPM



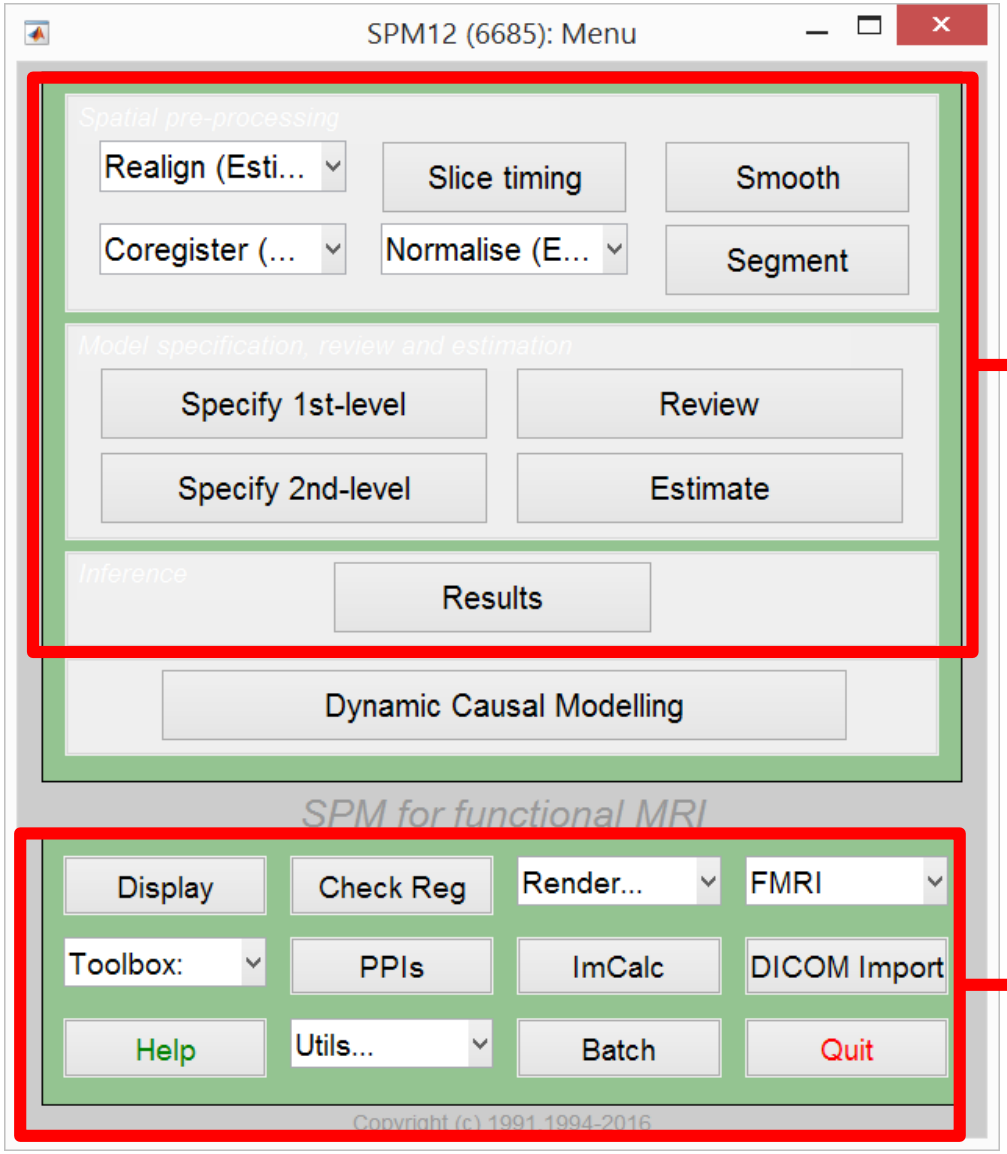
The SPM main menu



Parts needed for basic fMRI analysis.

Additional useful functions.

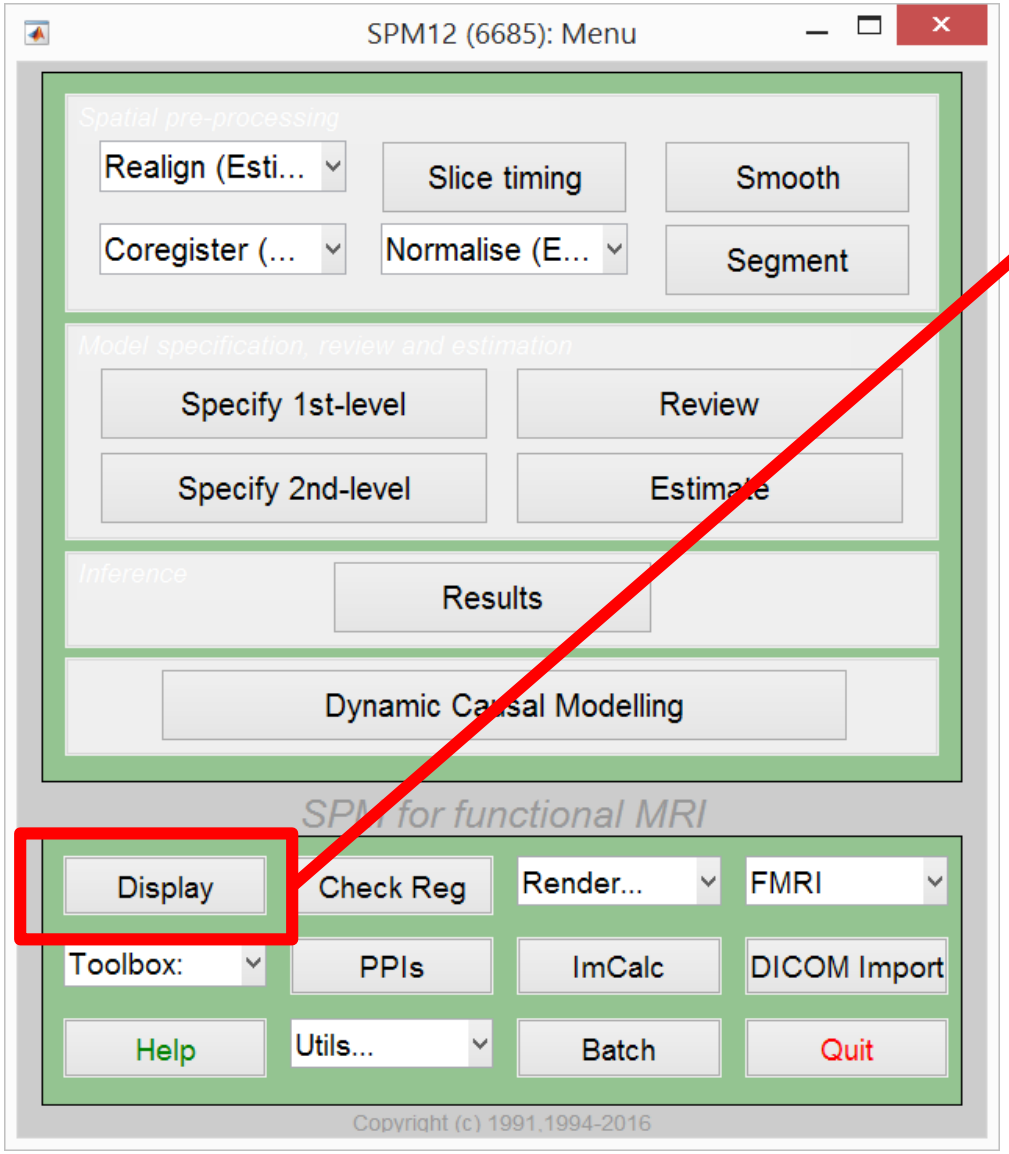
The SPM main menu



Parts needed for basic fMRI analysis.

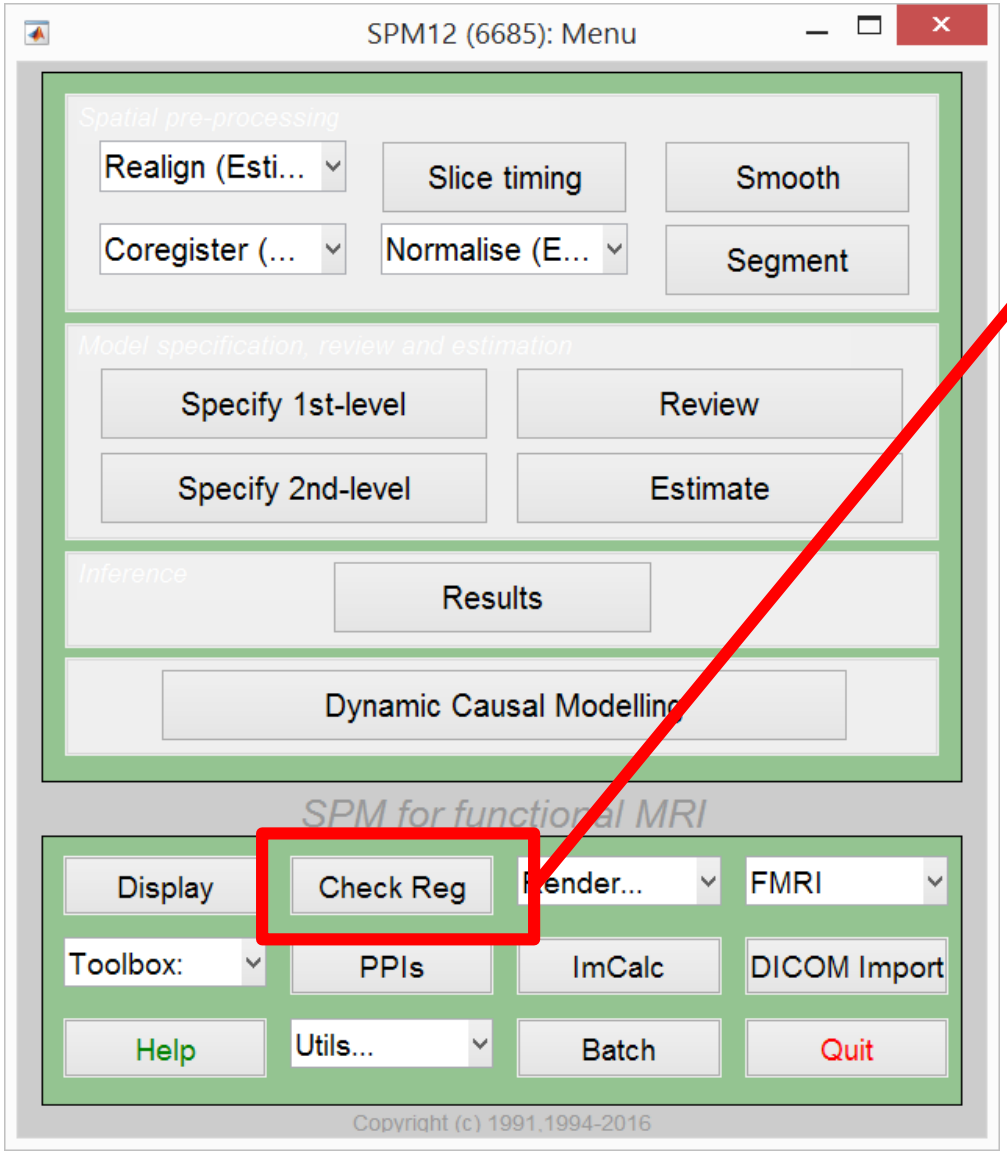
Additional useful functions.

Display



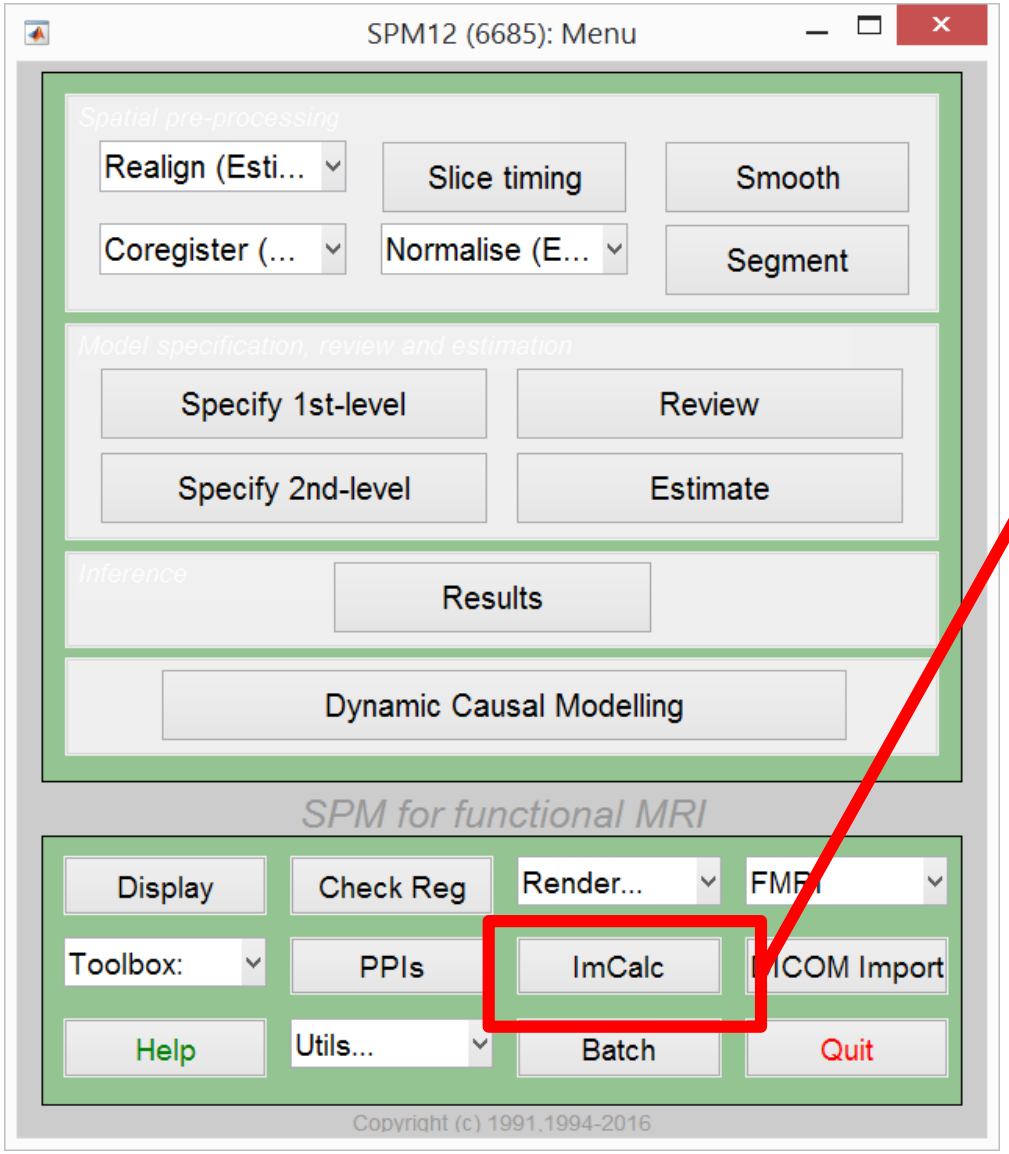
Display one image.

Check Reg



Display several images for comparison.

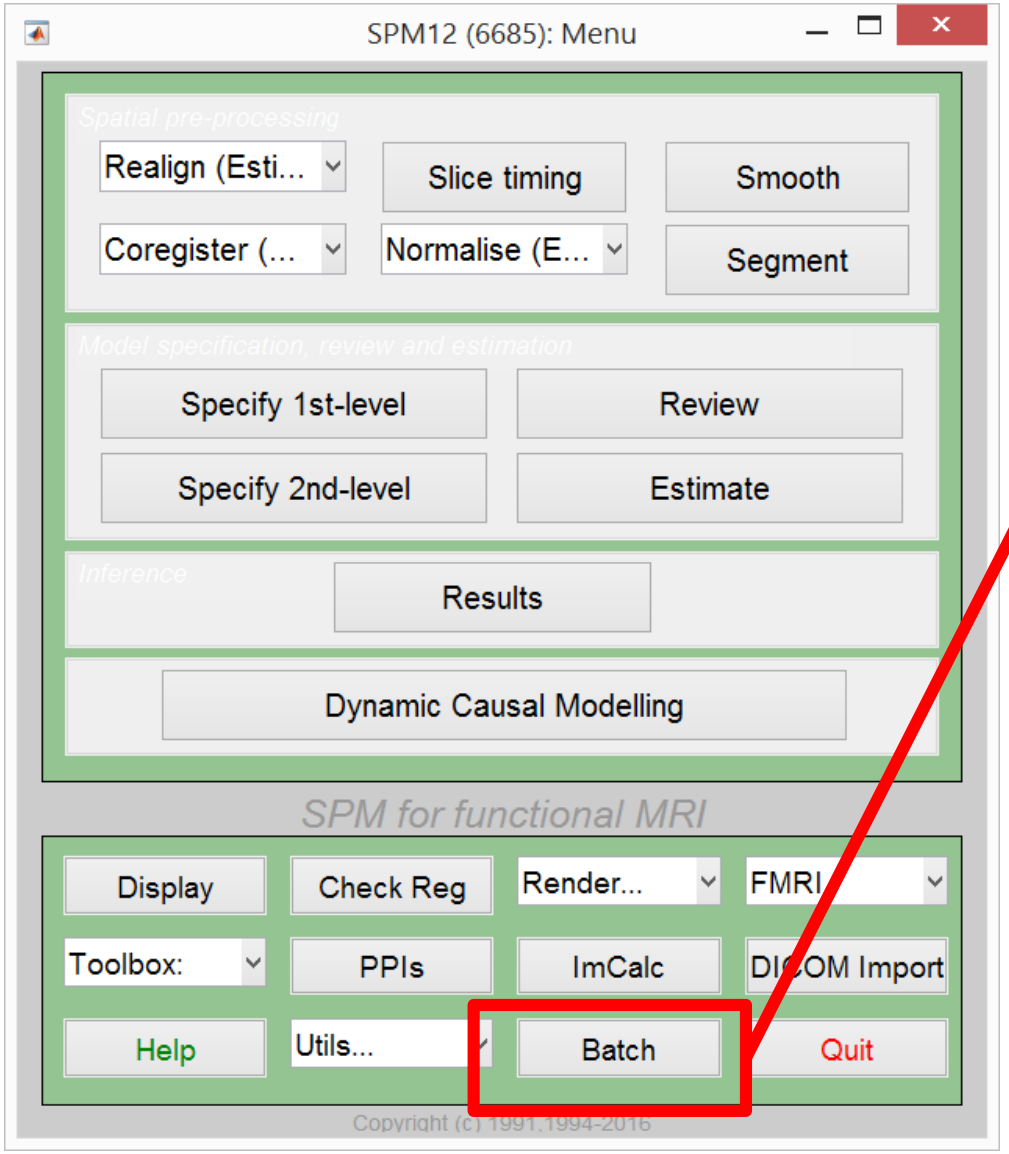
ImCalc



Do simple calculations with one or several images.

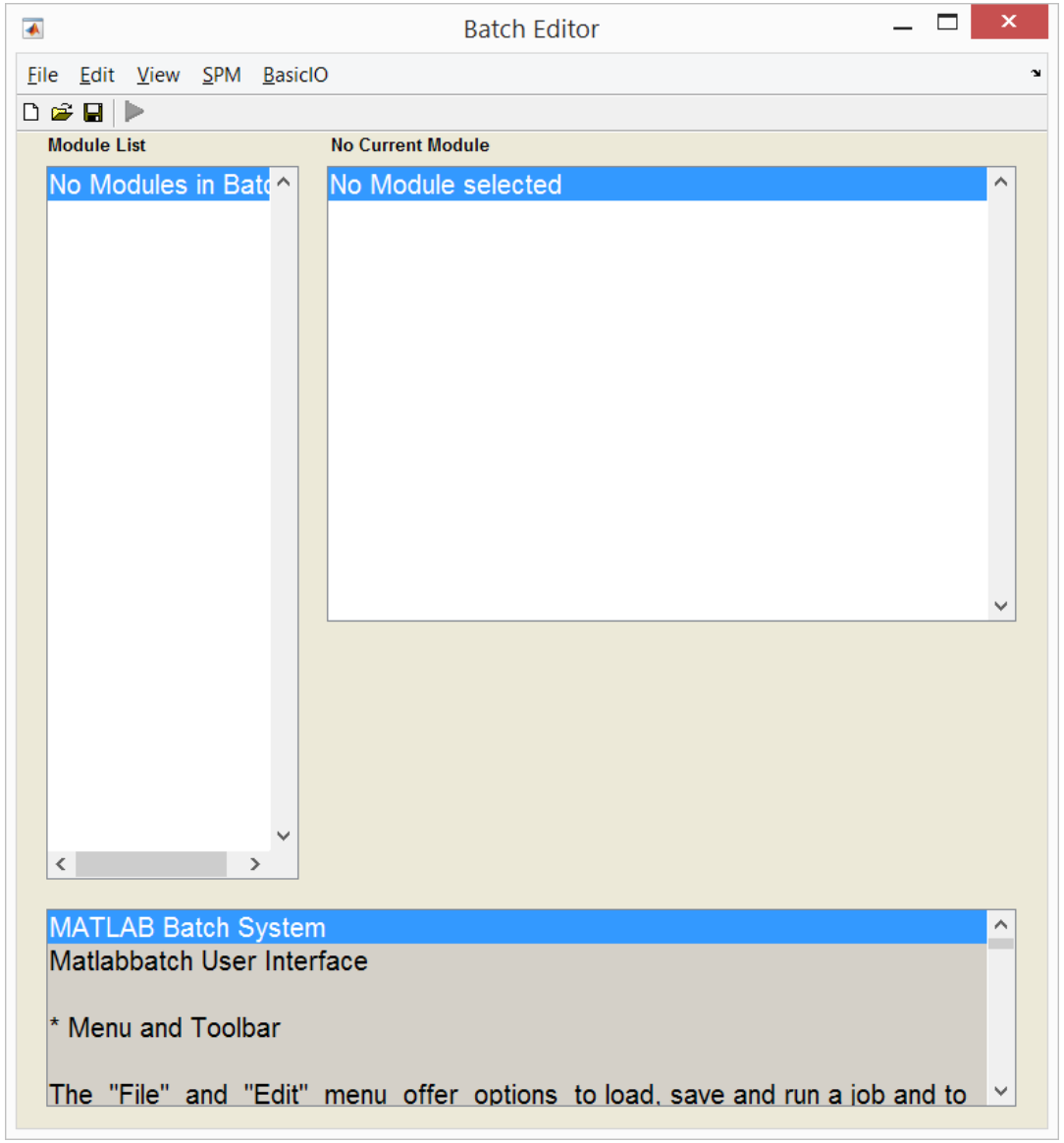
Example: Threshold anatomy …

ImCalc

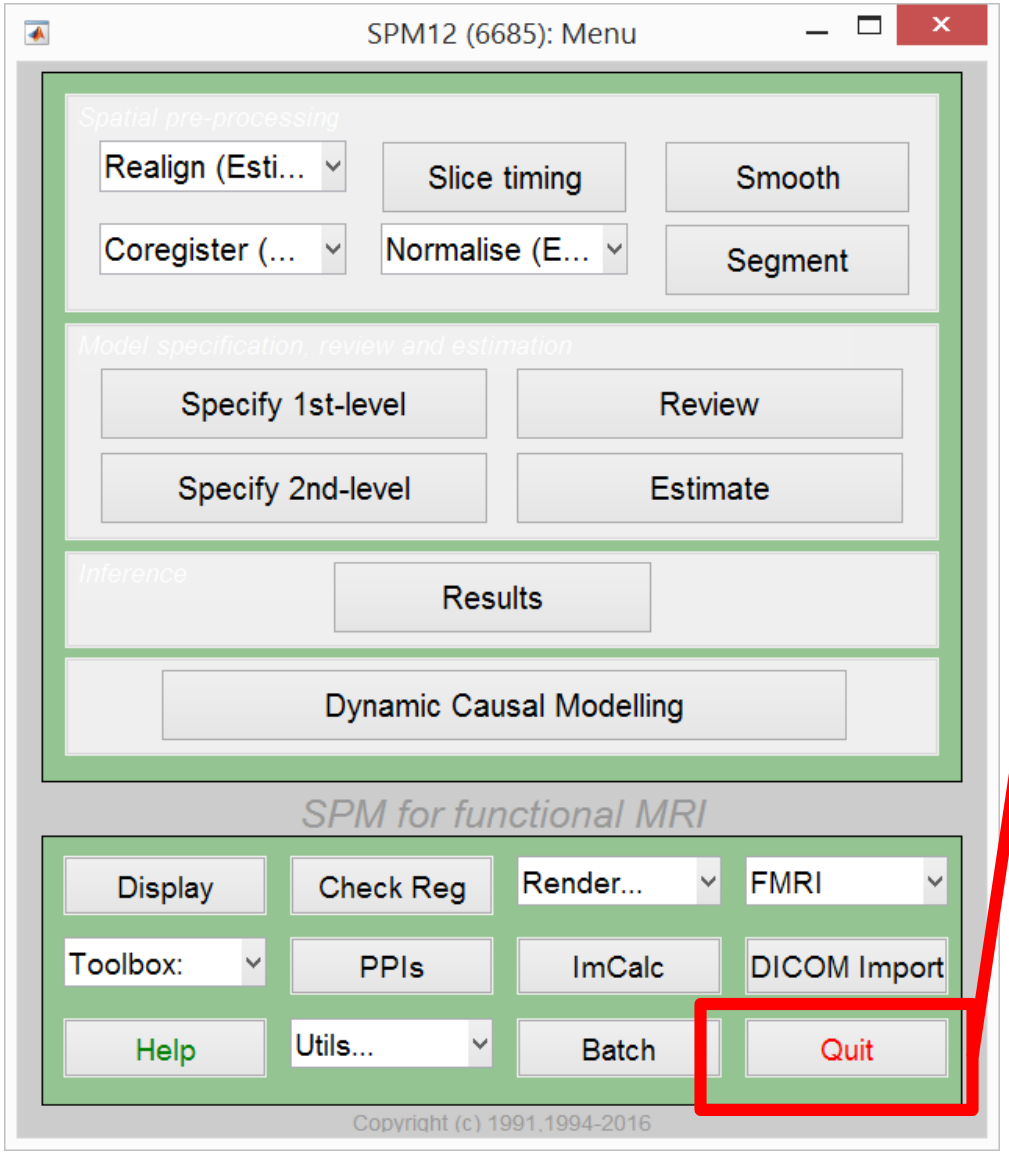


Start the batch editor. Often the batch editor also starts, if one clicks on one of the other buttons.

The batch editor

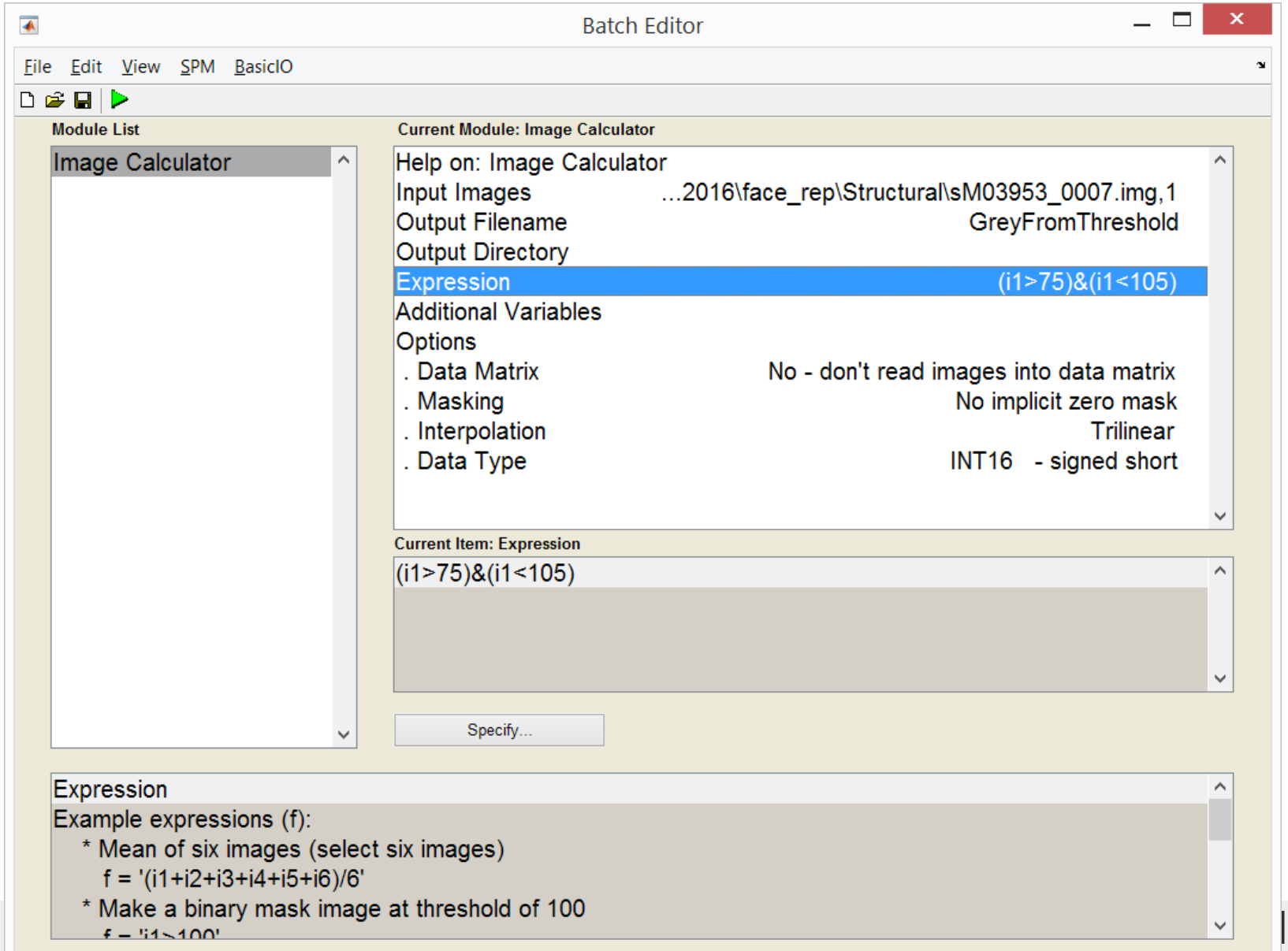


Quitting spm



Exit spm.

A simple example – thresholding anatomy



Preparation for tutorials (if you want to follow on your own laptop, optional)

- Install matlab via your university.
- Download spm (http://www.fil.ion.ucl.ac.uk/spm/software/spm12/) and add to Matlab path.
- Download dataset face_rep.zip from http://www.fil.ion.ucl.ac.uk/spm/data/face_rep/
- Download face_rep_spm12_batch.m from the same source.
- Extract the data in a folder on your computer. Within the face_rep folder create a folder called «batches».