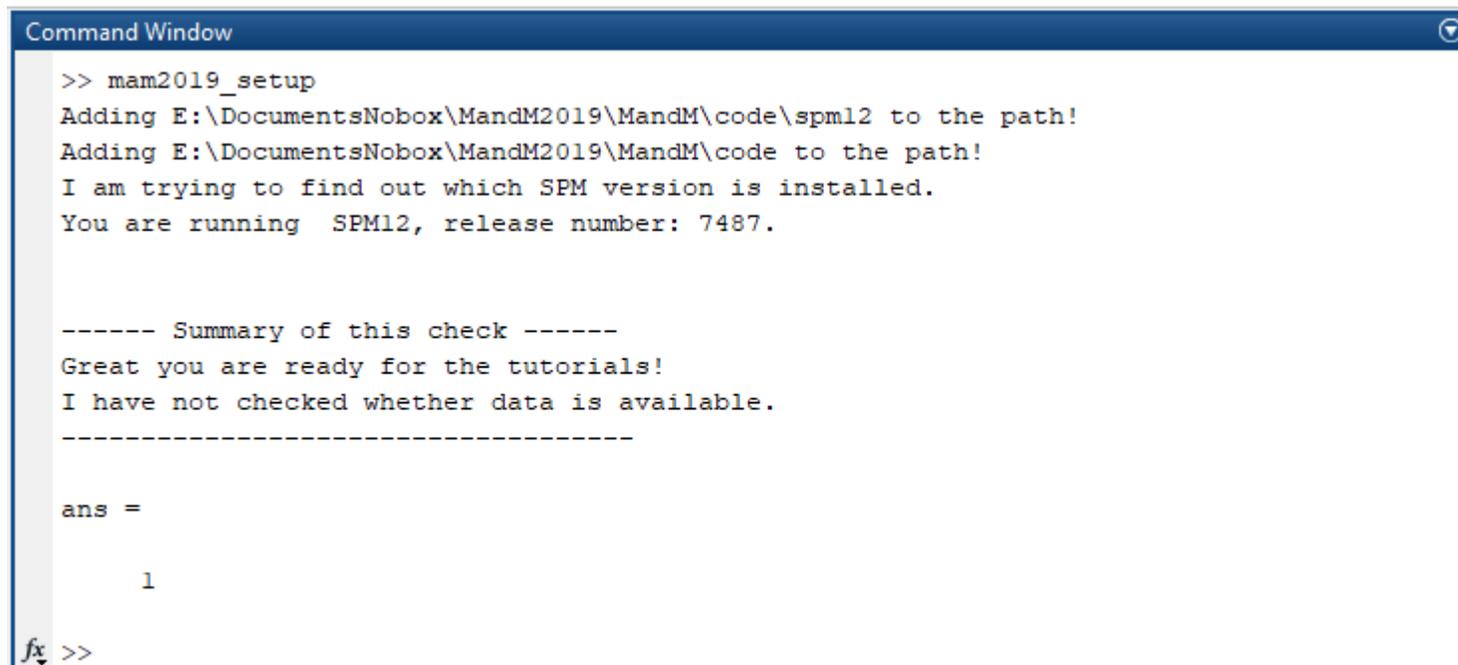


First steps in Matlab and with SPM.

Get your Matlab running

Test your Matlab

- Open Matlab
- Go to the folder (....\MandM\code) where you have the file mam2019_setup.m
- In your Matlab console type «mam2019_setup» and then enter.



```
Command Window
>> mam2019_setup
Adding E:\DocumentsNobox\MandM2019\MandM\code\spm12 to the path!
Adding E:\DocumentsNobox\MandM2019\MandM\code to the path!
I am trying to find out which SPM version is installed.
You are running SPM12, release number: 7487.

----- Summary of this check -----
Great you are ready for the tutorials!
I have not checked whether data is available.
-----

ans =

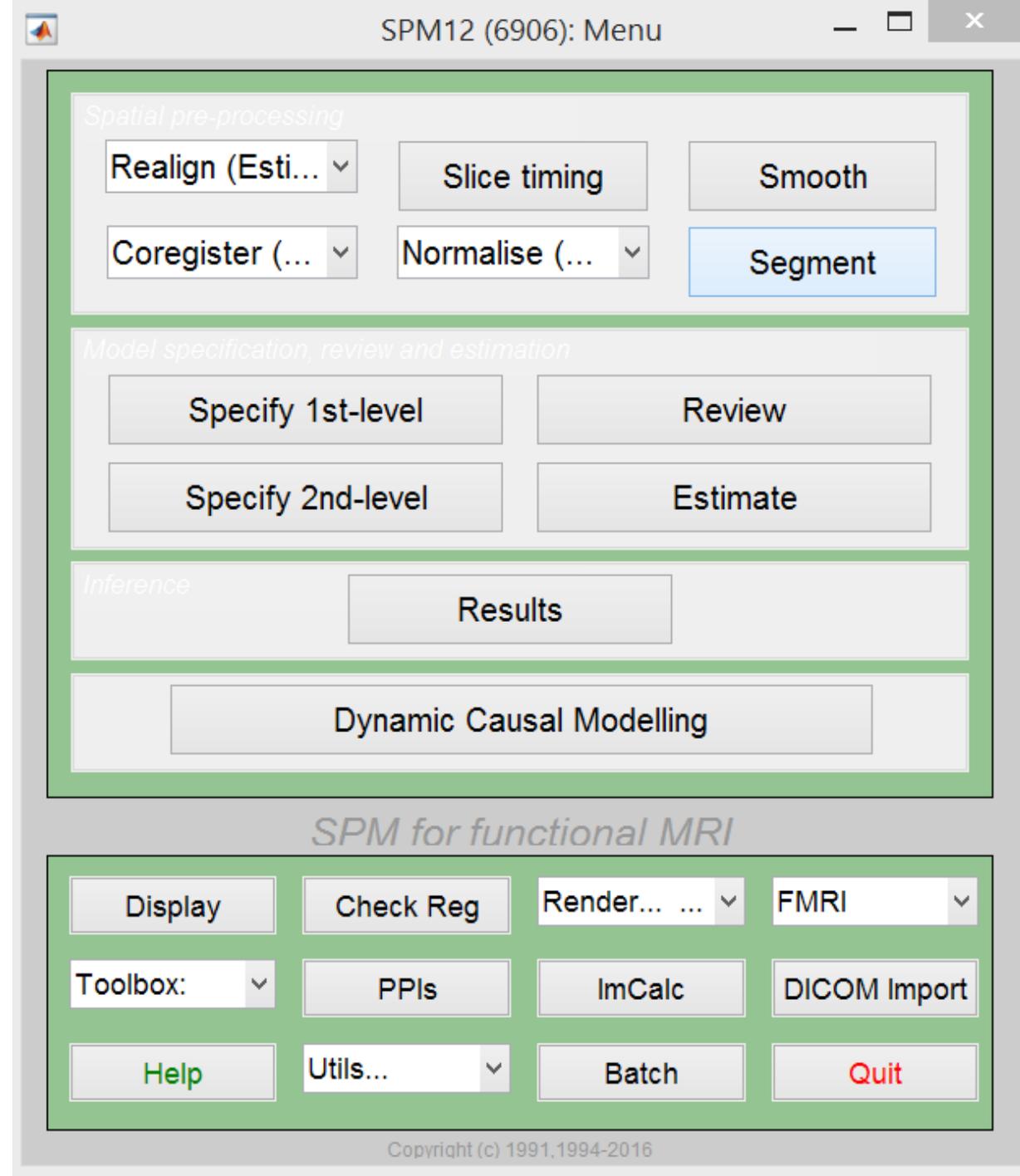
     1

fx >>
```

Start SPM

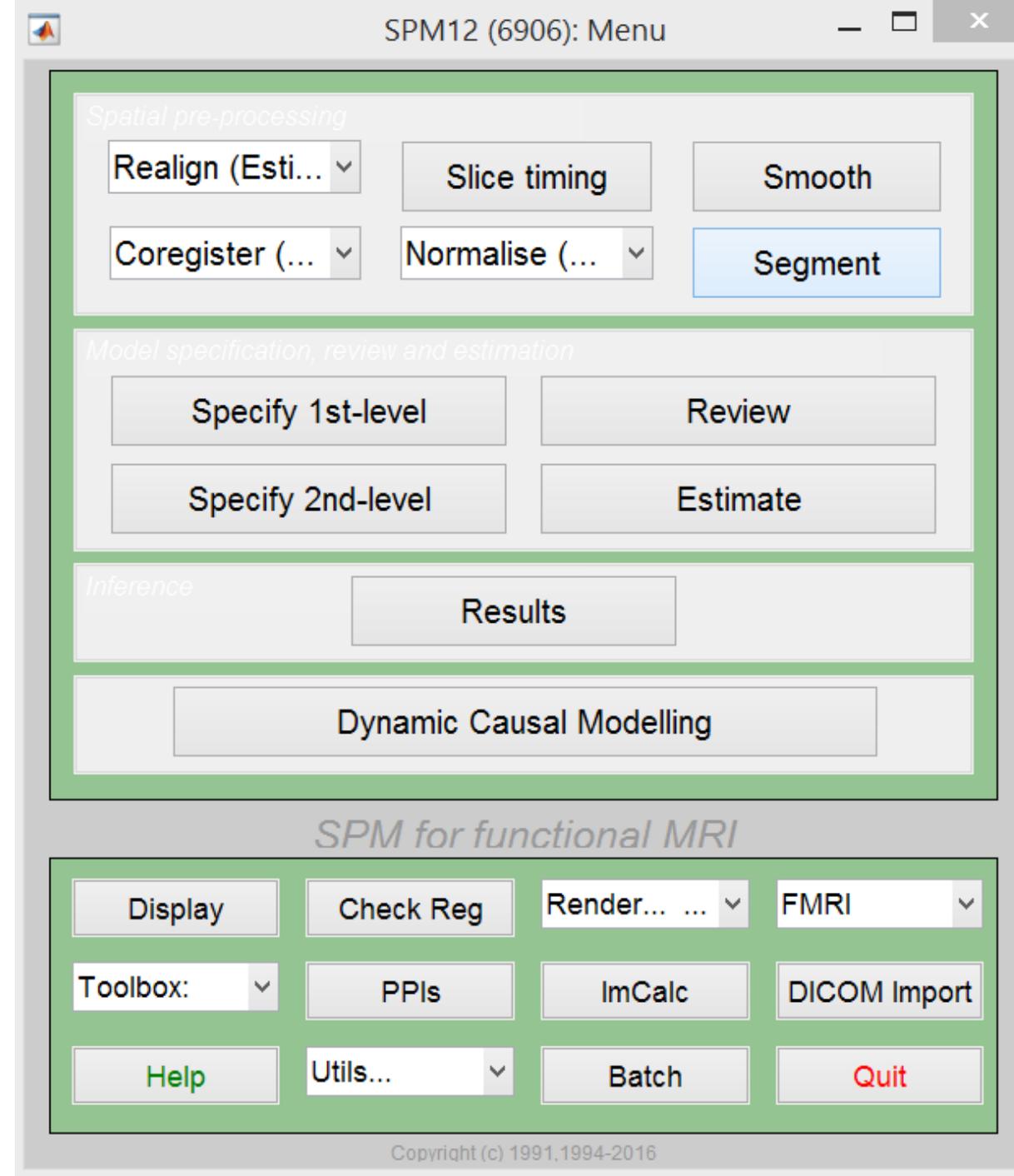
- Type `spm_fmri` and enter in your matlab console
 - This will start SPM

SPM main menu



Useful tools

- Display:
 - Try to display the image skstruct.nii in the data folder
 - Play around with the different options on the graphics window.
 - Do the same for fmri01.nii,1
- Check Reg
 - Press and select both the skstruct.nii and the fmri01.nii,1
 - What do you observe.
 - Try to do an outline. Right click on one image and select outline.



Calculation

- Use the ImCalc tool to compute some «interesting things from the images.
 - E.g. mean of the 11 fmri01.nii images, thresholded image, etc. be creative. What could be an interesting thing to look at?
 - For example the difference between the first and the last of the 11 fMRI images. fmri01.nii,1 and fmri01.nii,11 (Note: These are only a subset of the fMRI images of one run.)