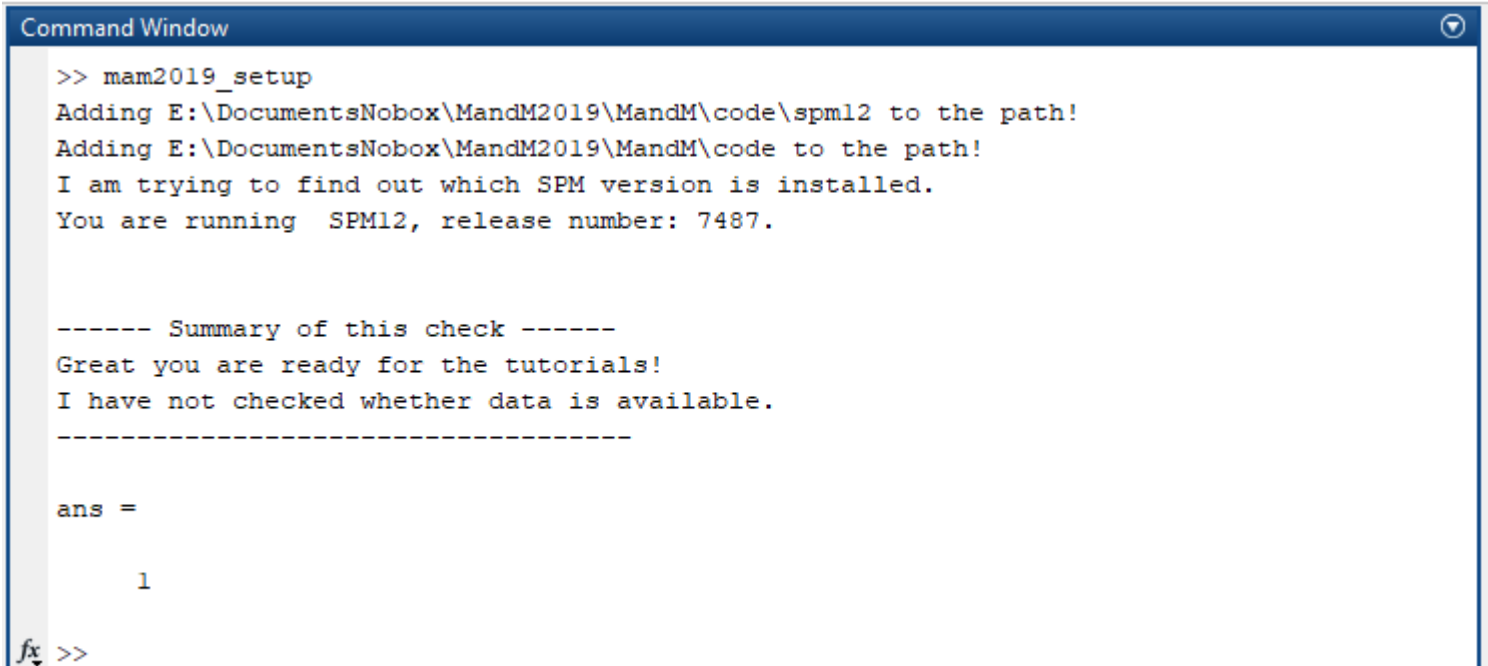
First steps in Matlab and with SPM.

Get your Matlab running

Test your Matlab

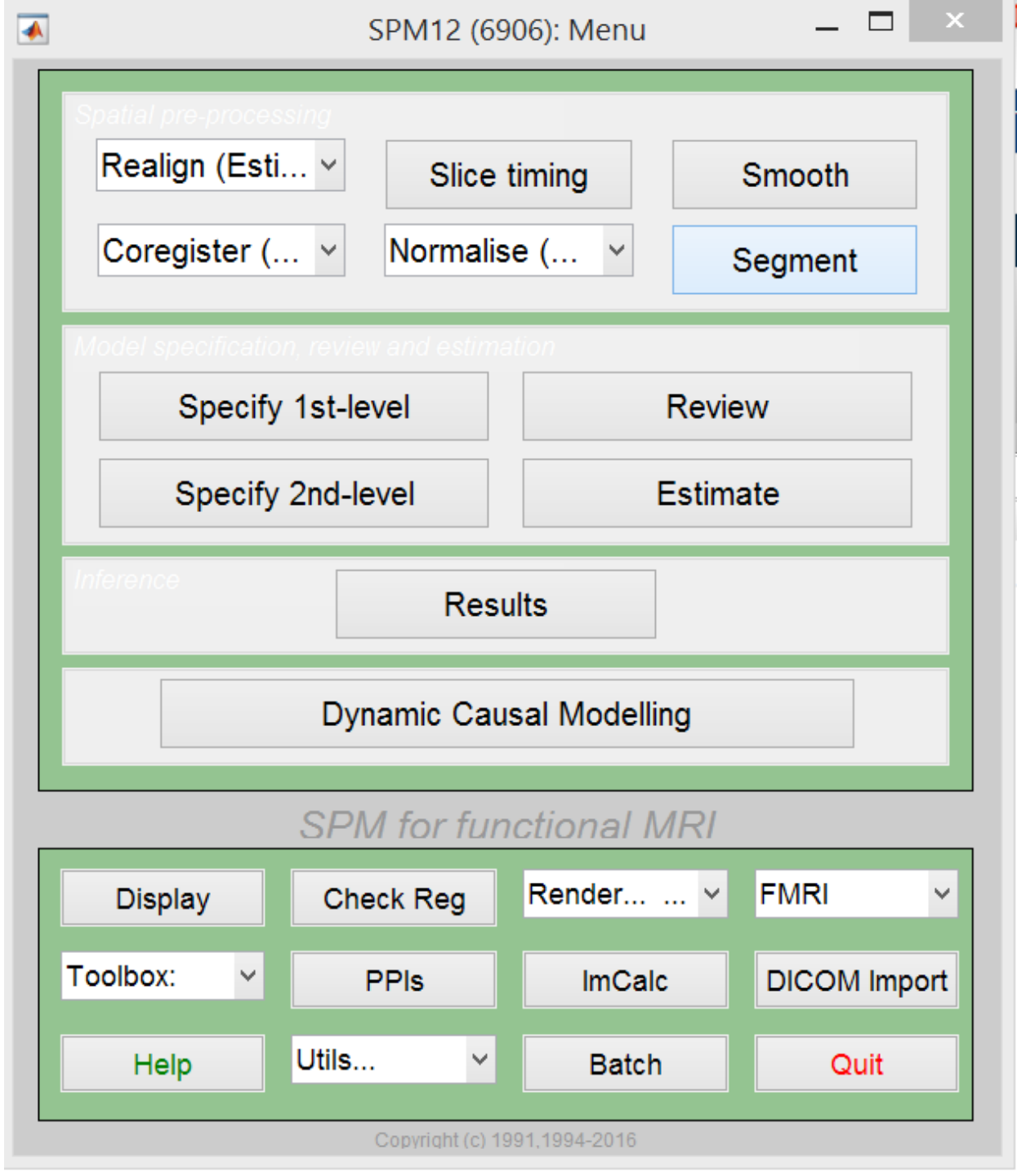
- Open Matlab
- Go to the folder (….\MandM\code) where you have the file mam2019_setup.m
- In your Matlab console type «mam2019_setup» and then enter.



Start SPM

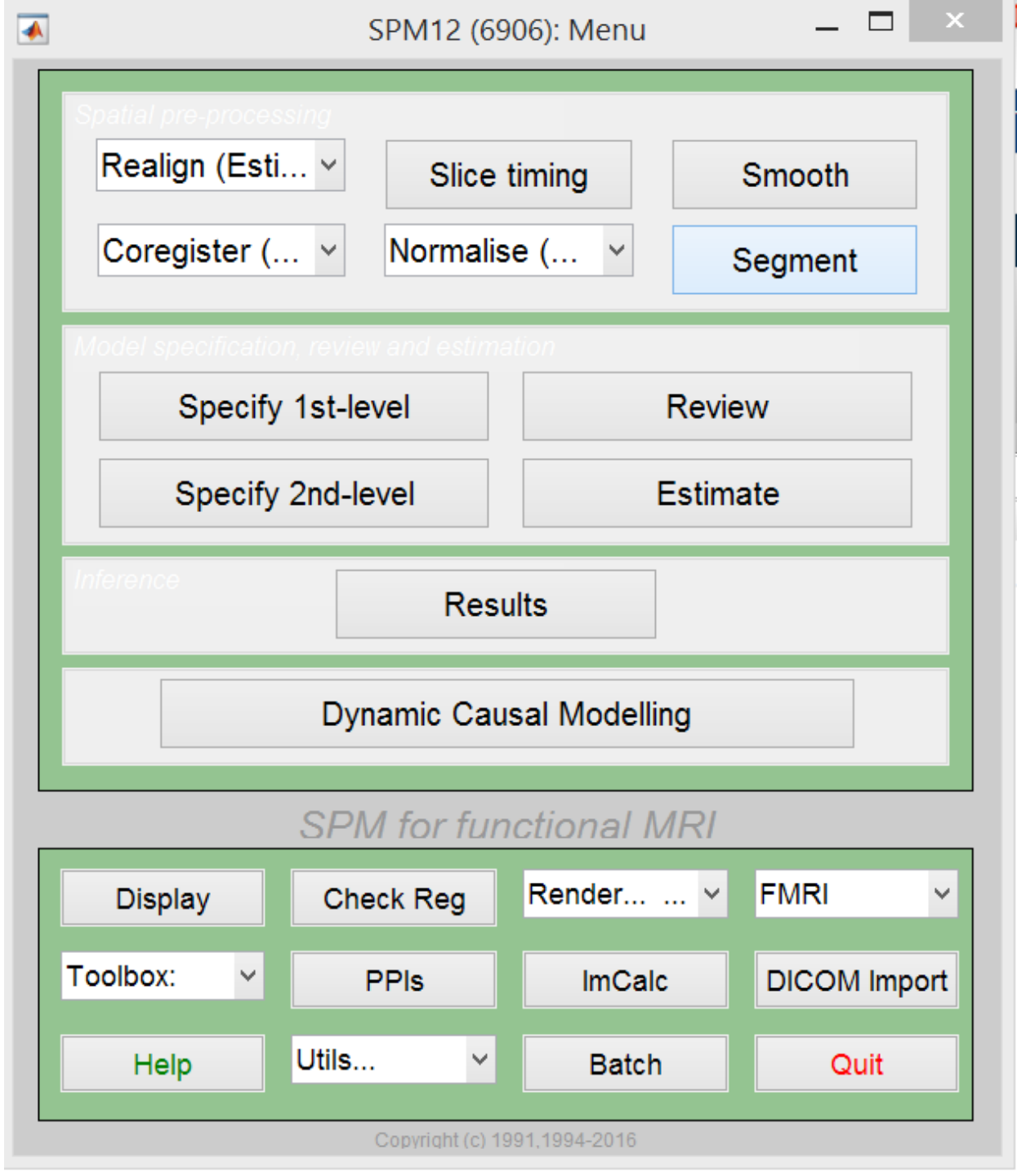
- Type spm fmri and enter in your matlab console
  - This will start SPM

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.)