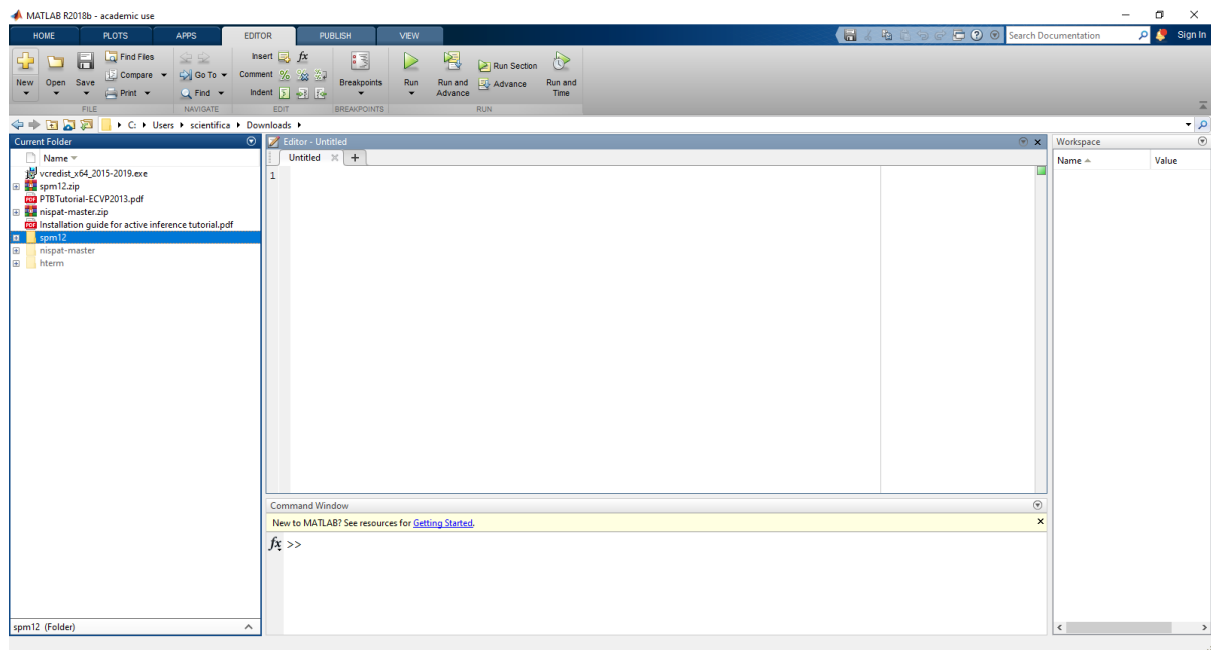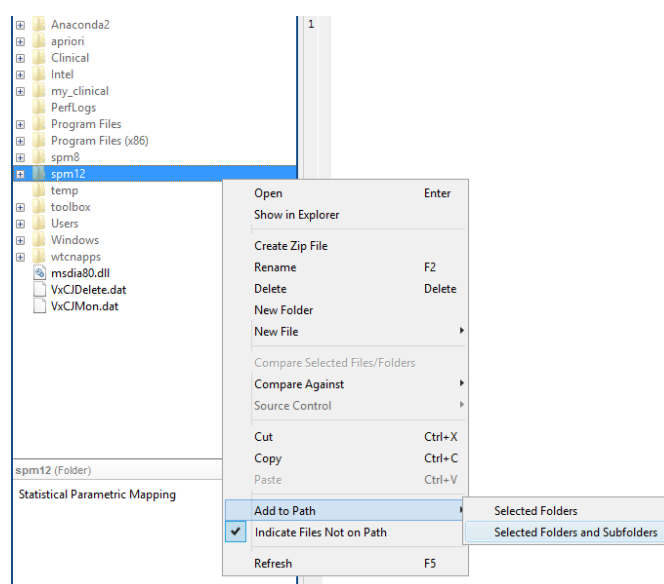# CPCZurich2019 Tutorials – ACTIVE INFERENCE Installation Guide
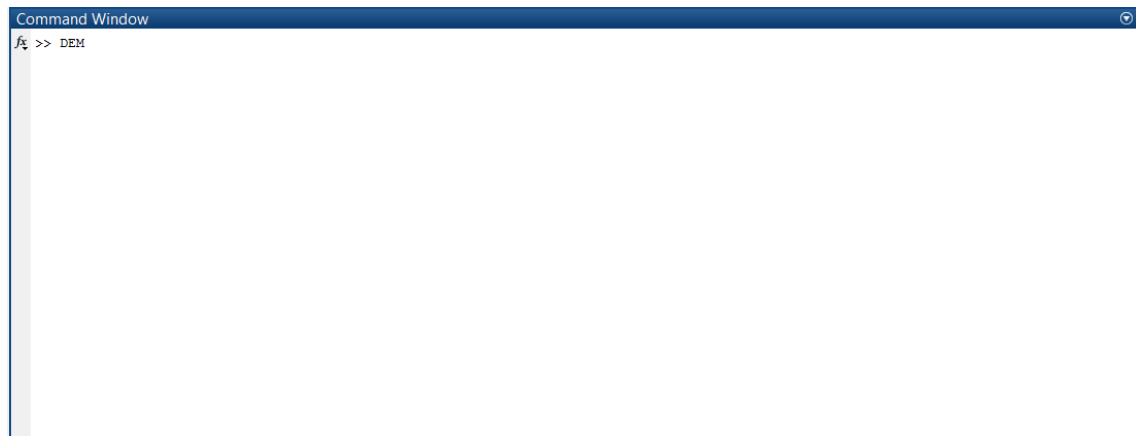
1) Make sure you install Matlab and that you can open and run it:

   https://www.mathworks.com/products/get-matlab.html

2) Download SPM 12 (https://www.fil.ion.ucl.ac.uk/spm/software/download/).

3) Place the compressed spm12 folder in your preferred directory.

4) Open Matlab. You will see the following interface:
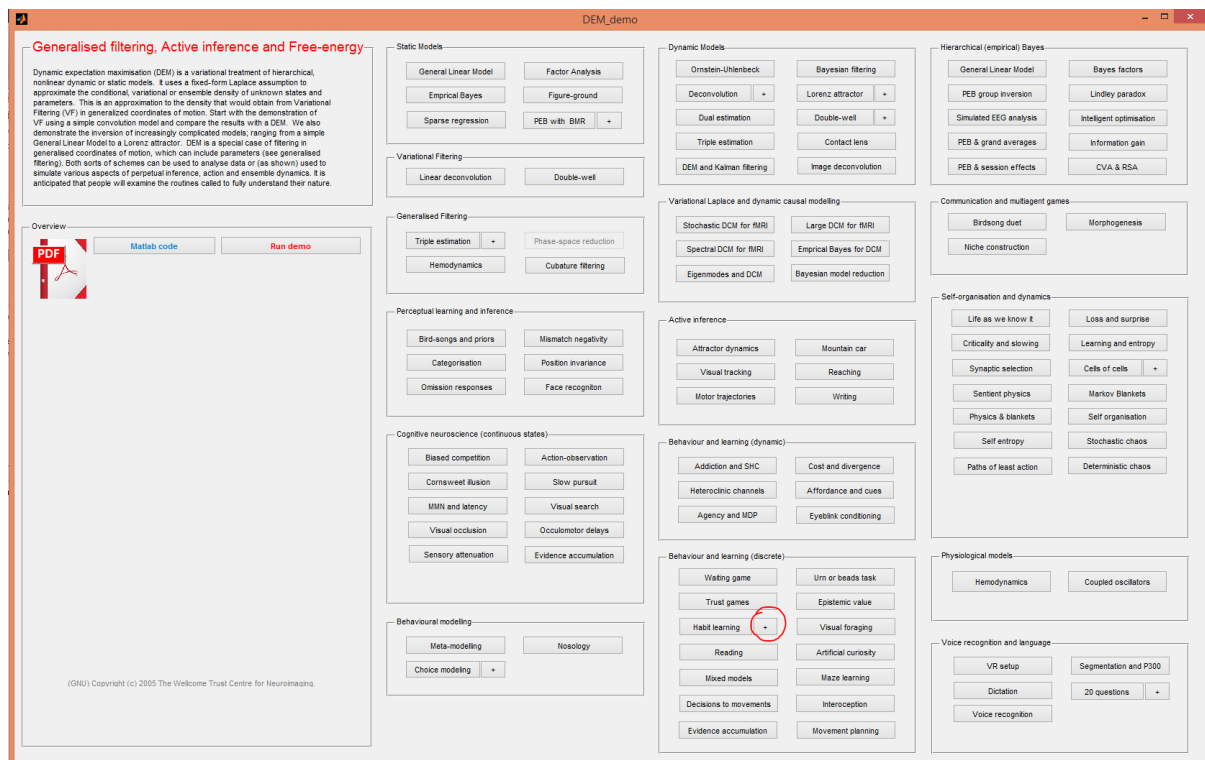

5) Add the SPM-folder to your search path from the Matlab 'current folder' window (column on the left in the above image).
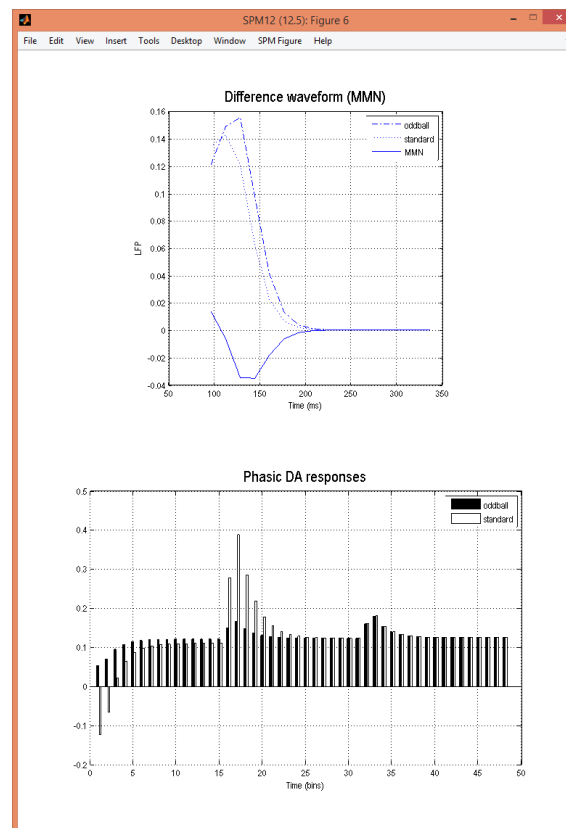
6) Next, type 'DEM' into the Matlab command window and press enter to open the DEM.

7) This invokes a graphical user interface that contains several worked examples of active inference (and much more). Click on the '+' next to the 'Habit learning' button in the 'Behaviour and learning (discrete)' panel, then click 'run demo' (in red text on the left).

8) If this works without errors and you see several SPM figures illustrating different simulations (like that reproduced below), then you have access to all the functions you need for the practical session and you are ready to go.

9) To close all the figures at once, just type 'close all' in the Matlab command window.

If you have trouble getting to this point before the Practical Tutorial Session, please contact Inês Borges Pereira (inesb@student.ethz.ch). **In person assistance is preferred and will be provided during the Tuesday and Wednesday lunch breaks.** Please find Inês at the entrance of the lecture hall after the morning talks are finished. She will wait there for ca. 10 minutes.