

CPCZurich2019 Tutorials – MODEL INVERSION Installation Guide

- 1) Make sure you install Matlab and that you can open and run it before installing the VBA Toolbox: <https://www.mathworks.com/products/get-matlab.html>
- 2) Follow the instructions provided there: <https://mbb-team.github.io/VBA-toolbox/download/>
You will be provided with 2 possibilities to download the toolbox:
 1. Downloading the toolbox via .zip File.
 2. Cloning the toolbox. This allows you to keep up-to date with future changes in the toolbox but is only possible if you have a git account.For the purposes of the tutorial and if you do not have git we advise you to use the first possibility and only download the .zip File.
- 3) Un-zip the file and put it in a folder/directory which you will use for the practical tutorial (e.g. Desktop/CPC2019/ModelInversionTutorial).
Make sure you do not have any spaces in the titles of your folders!
- 4) Open Matlab and in Matlab navigate to the folder/directory you prepared (e.g. “ModelInversionTutorial”). Then right-click on the directory and “Add to Path”, “Selected Folders and Subfolders”.

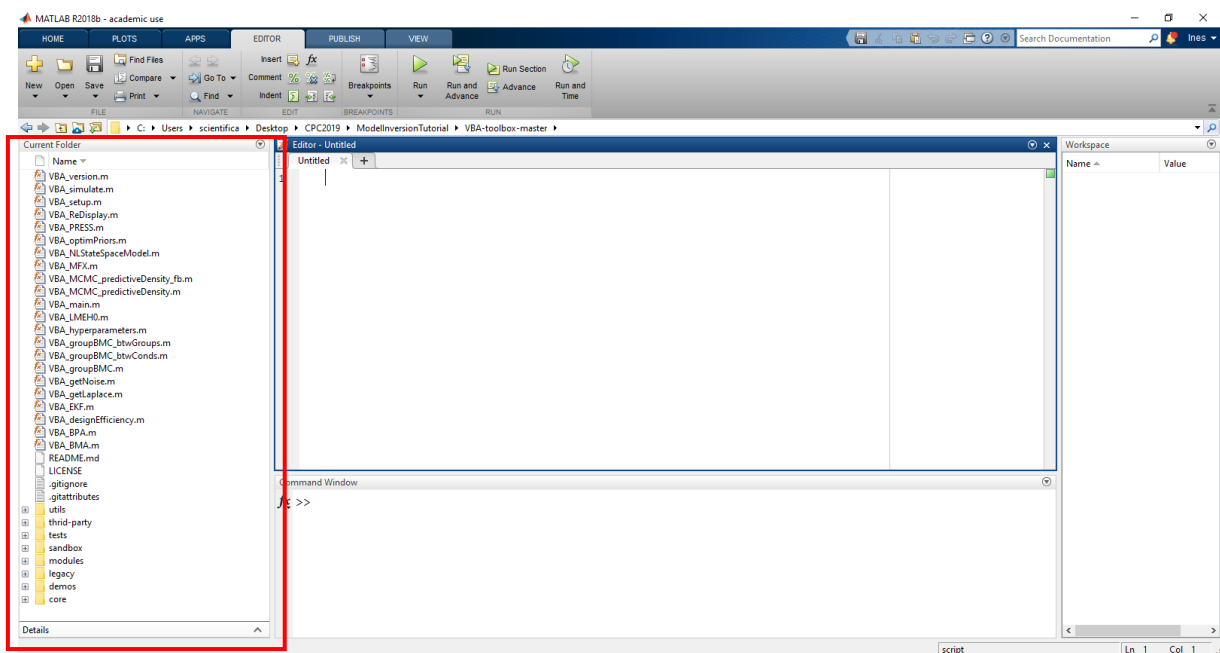


Fig. 1: MATLAB graphical user interface with the Current Folder window highlighted.

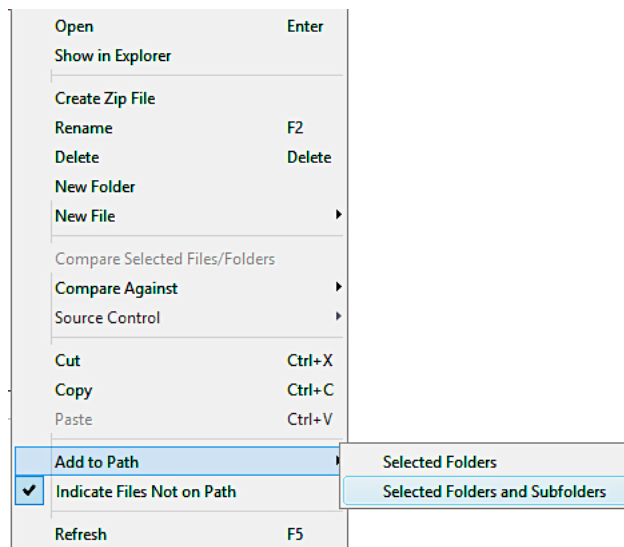
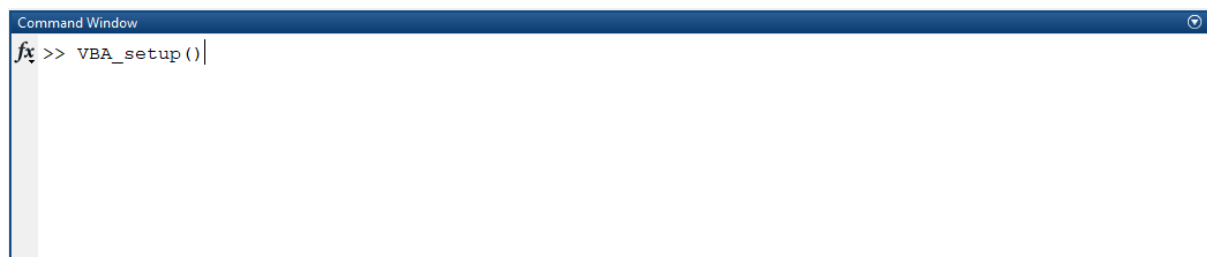


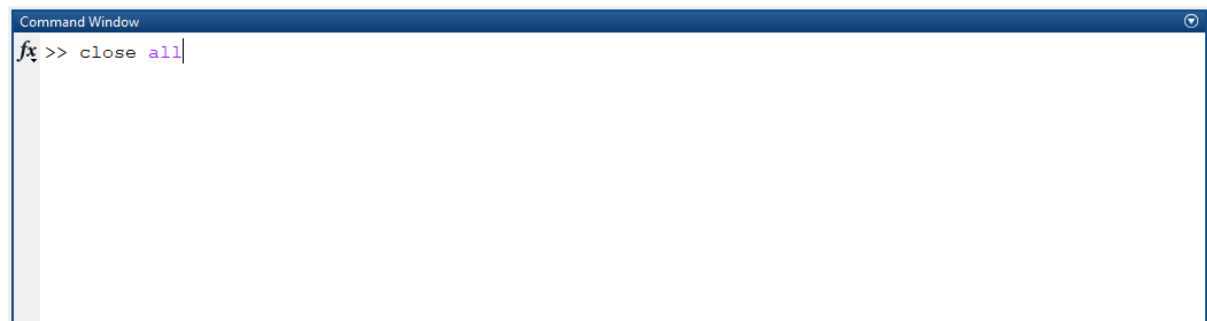
Fig. 2: Illustration of how to add a path (and all its subfolders) in MATLAB.

- 5) Change your working directory (the folder you are currently in) to the VBA-toolbox folder by using the “Current Folder” window.
- 6) In the Matlab Command Window run the following command.

VBA_setup()



- 7) Feel free to type **demo_Qlearning** to try a demo out and see if it runs!
- 8) To close all the figures at once, just type ‘close all’ in the Matlab command window.



You should be all set now 😊 !

If you cannot get enough of the VB-Toolbox, there is an entire wiki on the Toolbox to discover: <http://mbb-team.github.io/VBA-toolbox/wiki/>

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.