Some Resources for getting started in Matlab.

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Please let me know if you think other resources should be added to list.

1. Matlab onramp – online interactive Introduction to Matlab.

   Probably the most useful way to learn MATLAB is through interactive tutorials. Mathworks makes one ~2 hour basic interactive tutorial available via “Matlab onramp”. It charges for other interactive tutorials. If you are new to computational software this may take substantially longer than 2 hours. You don’t need to do the whole demo at once.

   To use the online tool you need to have a Mathworks account registered to a recent version of matlab (you likely created the Mathworks account when you installed Matlab).

   Matlab onramp can be found here:  
   https://matlabacademy.mathworks.com/

   It starts with a short video, but then gets around fairly quickly to an interactive command line.

2. CODY – online interactive challenge/response training

   CODY is an online challenge/response system for improving your Matlab skills.

   http://www.mathworks.com/matlabcentral/cody/

   CODY challenges you to write a function that produces some particular output from a given input. You should need only most rudimentary understanding of functions to get started (i.e. Matlab onramp above should be enough to get you up and running) It starts with the most basic problems like multiplying by 2, and you can choose the pace at which you advance.

   You seem to need to have a Mathworks account to use CODY. I am not clear whether this account needs to be registered to a recent version of Matlab.
3. **Videos from Mathworks**

Personally, I’m not a fan of watching videos to learn about Matlab. I find it hard to stay engaged with these types of videos. But some people find videos useful to learn how to use Matlab. Below are a list of videos that other people have told me are useful for getting going in matlab. If you do watch these videos, do it with a window of matlab open and type the same the commands into your matlab command window to follow the video. If you get behind, or if you want to explore other possibilities as you go, pause your video so you can keep of with the video.

*Working with Arrays in MATLAB*

*Introducing MATLAB Fundamental Classes (Data Types)*

*Introducing Structures and Cell Arrays*

*Importing Spreadsheets into MATLAB*

*Writing a MATLAB Program*

*Publishing Code from the Editor*

4. **A few tutorials others have put online**

These are a few tutorials that seem reasonable that I found online.

MATLAB Basics Tutorial from University of Michigan

Matlab tutorial from University of Utah
http://www.math.utah.edu/lab/ms/matlab/matlab.html

Matlab tutorial from University of Georgia
Matlab tutorial which focuses on plotting (WVU)
http://www.csee.wvu.edu/~trapp/wvumatlab.htm

2-day Matlab presentation from MIT
Day 1: http://www.mit.edu/people/abbe/matlab/lec1.html
Day 2: http://www.mit.edu/people/abbe/matlab/lec2.html