

Introduction to MATLAB

Open MATLAB. Start by creating an m-file. To create your m-file, click on **New Script**. This opens the MATLAB editor. Click **Save** then **Save As** then enter the name of your m-file. Click on **Insert**, leave a space after the `%%`, then type a title. Now click on **Comment**, leave a space after the `%` and type your name.

I suggest you go through the Appendix A.3.1 in the book and try all the commands. Between commands and before the first command, start a new section by clicking **Insert** (or just typing `%%`). Give the section a title if you want to. Then click on **Comment** (or just type `%`), leave a space, and explain what you are going to do in this section. Every line in your comments should start with `%` followed by a space. Then enter the MATLAB commands.

You might also go through

<https://www3.nd.edu/~nancy/Math20550/Matlab/Assignments/Introduction/intro.html>

You'll find useful tools for creating your m-file on the editor's **Editor** and **Publish** tab. When you are ready to publish it, go to the **Publish** tab and click on the green arrow above **Publish**. (The default is to publish it as an html file. If you prefer to publish it as a pdf, click the black arrow below **Publish**.) When you publish the file, MATLAB displays all the commands, output, and graphics in a web page — assuming there are no MATLAB errors. All of the output of a cell (also called a section) appears immediately after all of the input of the cell. This means you want to have lots of cells, so you — and the grader — can tell what output goes with what input.

Warning: If there is an error message, the published file will show that followed by the rest of your input but will **not** execute any of the remaining commands.

You can find directions for publishing MATLAB scripts and see a sample of an m-file and the resulting published file at

https://www.mathworks.com/help/matlab/matlab_prog/publishing-matlab-code.html.