# Homework Instructions

For all homework assignments, you are expected to submit :

(a) a printout of your published homework template, in the assigned dropbox

(b) a zipped folder containing `.m` and other files, online on Canvas

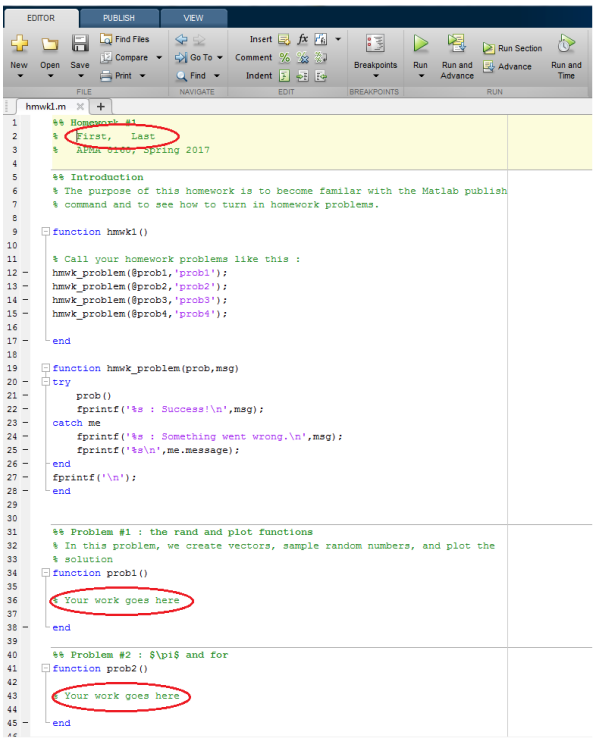
What follows is a step-by-step guide for preparing and submitting your work.

# Prepare your homework .m file

(a) Download the template from Canvas. It will be named `hmwkx.m` where `x` will be the number of the homework set.

(b) Open it in the Matlab editor.

(c) Edit the name information on the top (line 2, first red circled area)

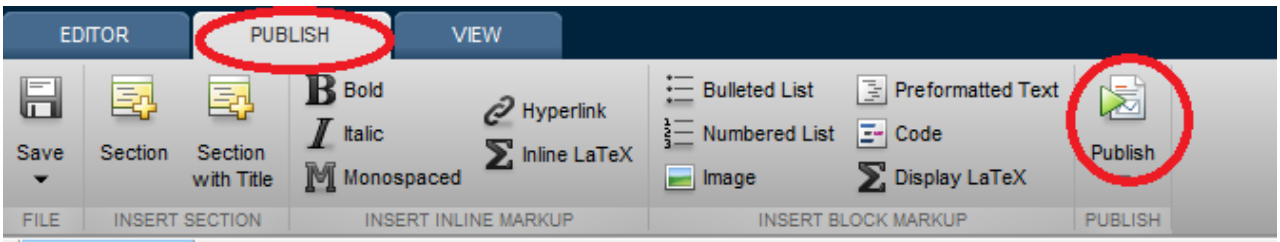



(d) Edit the body of functions named `prob1`, `prob2`, `prob3`, $\cdots$, depending on the number of problems in the set (other red circled areas). You can use more than one line to write your answers.

(e) If you are asked to provide comments on a problem or just want to write comments for yourself, add a block of Matlab comments at the end of the respective function. You can comment a block of highlighted lines with Ctrl+R (and uncomment with Ctrl+T).

# Publish your homework .m file

(a) Once you have the final form of the `hmwkx.m` file you want to submit, switch to the PUBLISH tab on the top left and hit publish (red circled areas).




hmwk1.m

```
%% Homework #1
%   First,   Last
%   APMA 0160, Spring 2017

%% Introduction
% The purpose of this homework is to become familar with the Matlab publish
% command and to see how to turn in homework problems.

function hmwk1()

% Call your homework problems like this :
hmwk_problem(@prob1,'prob1');
hmwk_problem(@prob2,'prob2');
hmwk_problem(@prob3,'prob3');
hmwk_problem(@prob4,'prob4');

end

function hmwk_problem(prob,msg)
try
    prob()
    fprintf('%s : Success!\n',msg);
catch me
    fprintf('%s : Something went wrong.\n',msg);
    fprintf('%s\n',me.message);
end
fprintf('\n');
end


%% Problem #1 : the rand and plot functions
% In this problem, we create vectors, sample random numbers, and plot the
% solution
function prob1()

% Your work goes here

end

%% Problem #2 : $\pi$ and for
function prob2()

% Your work goes here

end

%% Problem #3 : loading data from a file
```

This will run functions `prob1`, `prob2`, etc. and print them in an organized layout: first the code, then

the standard output (if any) and then the figures they produced. All that will be put in an html file, in a folder called html in your current directory.

(Variation to this step to produce a pdf: instead of pressing the Publish button, you can click on the arrow right below it→Edit Publishing Options.... In the window that opens, change the Output file format from html to pdf.)

(b) **Print out that html (or pdf) file and drop it in the Homework drop-off boxes in 182 George St lobby.** You will find a set of boxes on the left of the stairs going up to the second floor. The boxes assigned to APMA0160 are **#15** for Section 01 and **#16** for Section 02. Once graded, the printouts will be available for pick-up from the boxes located after the first flight of stairs going up.

# Publish all of your other .m files

(a) Repeat the publish step in the same manner as your `hmwkx.m` file for each of the separate files that your template `hmwkx.m` uses.

(b) **Print out the extra published file(s) and drop it (them) in the Homework drop-off boxes in 182 George St lobby, clipped or stapled to the printout of `hmwkx.m`.**

# Prepare a zipped folder

(a) Select all `.m` or other files you want to submit, including `hmwkx.m`. Some assignments ask you to provide text files with a specific name.

(b) Create a zipped folder containing your files. Make sure the zipped folder includes all files you want to submit.

(c) **Submit the zipped folder on Canvas, under the respective Assignment.**