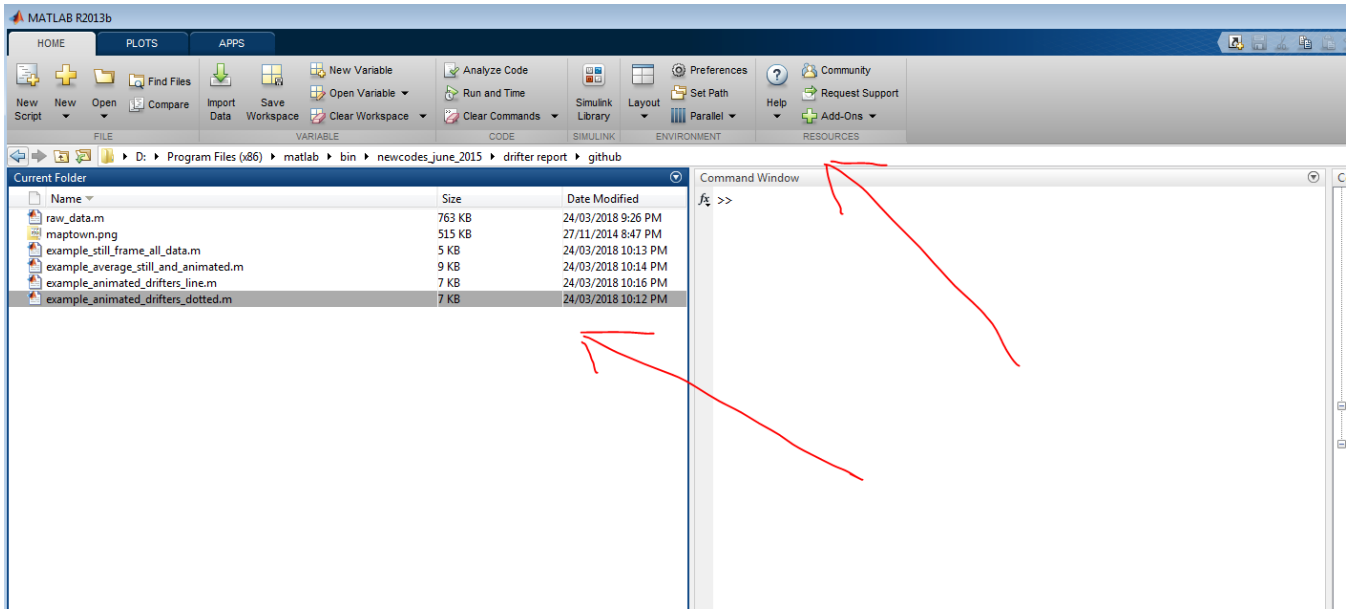
This document is a read me file related to the github repository;

https://github.com/JamieMJohns/Animate-river-drifter-trajectories

Before running any code in Matlab [from above linked directory], make sure that the Matlab is "looking" at the same directory that you wish to run the code from, otherwise the code will not run as won't be able to find dependent files (which are "maptown.png" and "raw_data.m").

For example, if the files [you have download from this github] are stored in directory "D:\Program Files (x86)\matlab\bin\newcodes_june_2015\drifter report\github", make sure matlab is looking at this directory as shown this in the screenshot below of Matlab:



List of files from Github repository (linked on previous page)

Matlab code for animation of data:

example_animated_drifters_dotted.m – example code of animating data which is stored in raw_data.m

example_animated_drifters_line.m – another example code of animating data which is stored in raw_data.m

example_average_still_and_animated.m – example code of animating average of data stored which is stored in raw_data.m (similar to my youtube video: https://www.youtube.com/watch?v=8xGB7-Oi23Q)

example_still_frame_all_data.m – example code of displaying all data , stored in raw_data.m , as a single diagram.

Other files:

raw_data.m – a Matlab file which contains all drifter data and is a dependent file for previously listed Matlab codes, this code is automatically used in previous codes. (You don't need to manually run this code in Matlab)

maptown.png – image of Townsville coastal region that is used a background for animated plots in previously mentioned codes for which they are dependent on this file.

Recording animated outputs as video file

For recording animated outputs as a video, my technique can be found in another github repository of mine: https://github.com/JamieMJohns/Record-videos-of-animated-ouputs-Matlab-

Although, I do not believe it is the most efficient technique.