

Matlab error list

FAQ “My Matlab window looks messed up!”

If a window within Matlab has been lost, rearranged or otherwise been eliminated in a freak click and drag accident, go to the top left corner of the window and click [Desktop > Desktop Layout > Default] to restore order to the window, as well as your sanity. This method will also restore windows that you have resized.

FAQ “I can’t find the error because Matlab tells me to look at a line of code where it’s not at.”

Unfortunately, Matlab takes a strange pleasure in misleading you deliberately. When searching for an error, it is best to run each cell in search for it, if it isn’t already apparent by the red jagged underline. If you find an error to still be aggravatingly elusive, separate each line of code into new cells and run them individually until the offending line of code is found.

FAQ “What’s a variable?”

A variable is whatever you define for it to be. For example, `boop=tablename(: , 1);` will return a new table called “boop.” which is also your variable. Variables can be named anything that you would like.

FAQ “ My figure keeps coming up blank and my graph wont show up”

This happens whenever there is a problem with the way you’re trying to use the particular plot function (pot, bar, etc.) and can happen for a variety of reasons. You may have too many input variables, not enough, or the wrong kind. Double check that the variables you are trying to use are spelled and punctuated correctly as well.

FAQ “How do I put more than one variable on the same graph?”

When making a figure that needs more than one thing graphed on to it, the general syntax is as follows:

```
Figure
Hold on
Function(variable)
Function(variable)
Hold off
```

“Unable to read file ‘filename’: No such file or directory”

-An error that generally occurs whenever the data that you are attempting to load onto Matlab is misspelled in the script, is not located loaded within the current folder, or has the incorrect extention

“Undefined function ‘-----’ for input arguments of type ‘double’”

-Function that has been typed within the script may be misspelled, or may simply not exist. Refer to the Function Browser under Help for a comprehensive list of functions and their respective uses

“Undefined function for input arguments of type ‘char’”

-Function that is being attempted to use has a capital letter, or an unknown symbol within the script. For example: “Load” will return this error as opposed to “load.”

Window “The selected cell cannot be evaluated because it contains an invalid statement.”

-Error that generally occurs when parentheses, brackets, apostrophes, commas and quotation marks are inappropriately placed, missing, or unclosed. This error generally produces a red jagged line underneath the offending code, proofread code accordingly.

“Undefined function or variable ‘-----’”

-Error that is returned when attempting to use a variable that does not exist, or has not been created or defined. This message is often displayed when there is a capitalization error, spelling error, or punctuation error, but may occur when the variable was not created at all.

“Attempted to access ‘-----’; index out of bounds because of size ‘(----)=[----,----]”

-The script for finding a particular column or row its outside of the bounds of the table. An you attempt to use row four in a table that only has three rows, for example, will return this message.

Notification “Warning: Ignoring extra legend entries. >In legend at ‘insert random number””

-In the legend, there may one or more extra labels that Matlab is ignoring for the sake of actually trying to make your figure work. Be sure to revise the legend entries, because having those legend entries may accidentally mislabel something.

“Index exceeds matrix dimensions”

-In an attempt to manipulate data, the numbers you have entered are too large, and as a result do not exist within the table. For example, if you attempt to pull out columns 3, 4, and 5, but the table only contains columns from 1 to 4.

“Error using plot. Vectors must be the same lengths”

-Certain types of graphs will require that you use tables that line up. For example, Matlab will return this error if you try to use a table that has one column with 23 values, and a table that has one column with 55 values.

Last updated Sept 13, 2013