

Getting Started with GUIs

To get started learning about Graphical User Interfaces (GUIs) in MATLAB we will construct a GUI with plots the Histogram of the Poisson Distribution using the GUIDE GUI development environment.

To get started with the GUI, these are the steps which we will do together:

- 1) Open the GUIDE environment
- 2) Resize the GUI, Go to GUI Options and make the size proportional
- 3) Under file preferences, show the names in the component palette
- 4) Include a set of axes, and a panel
- 5) In the panel include 2 editable text and 2 static text boxes
- 6) Include a push button
- 7) Using the property inspector, change the text in all the buttons and boxes
- 8) Include a static text box for the title
- 9) Add toolbar editor with data cursor and printing
- 10) Run the GUI
- 11) Modify the functions in the m file to read in variable text and plot the histogram
- 12) Run the modified m file

References:

- 1) SampleGUI in Moodle
- 2) <http://www.mathworks.com/videos/creating-a-gui-with-guide-68979.html?refresh=true>
- 3) <https://www.youtube.com/watch?v=qAGiAq6HhYQ>
- 4) http://www.mathworks.com/help/pdf_doc/matlab/buildgui.pdf