**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>