APSC 1001 Matlab Intro Topics

* Matlab as a programming language and calculator
* Examples of what Matlab can do (I’ll be using a few images from past research/classes)
  + Vibrations statistics examples
  + estimation plugin graphs
* Parts of Matlab screen
  + Workspace (variables),
  + command window (active commands)
  + editor (scripts)
  + path
* Arrays and Matrices
  + Basic operations
    - +, -, \*, /,
    - . operator, square root, transpose
    - Matrix arithmetic,
      * size() function
* Plotting
  + Sine wave
  + Plot labels
  + color, style options
  + hold on
  + legend
* Scripts
  + Use random number generator if we still have time
  + Plot as a function of sample #
  + ; to suppress output
  + % as comments