

Test Design Specification Number (TDS)	Associated Requirement Identifier	Description	Test Results Passed/Failed	
TDS-01-01	Inspect Data (NR-03)	Read a MATLAB LEVEL 5 MAT-File and display its contents on screen.		
TDS-01-02	Import Data (FR-01)	Import data from a MATLAB LEVEL 5 MAT-File of at least 60,000KB and plot a set of X values against a set of Y values in 5 minutes or less.		
TDS-01-03	Choose Graph Options (FR-03)	Change the chart graph's title, X axis label, and Y axis label.		
TDS-01-04	Portability (3-2014-05-14 Section 3.5.4)	Portability. Test features TDS-01-01 to TDS-01-03 and TDS-02-01 to TDS-02-07 in the following Operating Systems: Windows 7, Ubuntu Linux 14, and Mac OS X 10		
TDS-02-01	Create Graph (FR-04)	Plot a set of X values against a set of Y values.		
TDS-02-02	Create Graph (FR-04 A1)	Plot a set of X values against a set of Y values and draw the line that results from the linear interpolation of the plotted points. Then, determine the confidence level of the graph.		
TDS-02-03	Create Graph (FR-04 A1)	Plot a set of X values against a set of Y values and draw the line that results from the quadratic interpolation of the plotted points. Then, determine the confidence level of the graph.		

Test Design Specification Number (TDS)	Associated Requirement Identifier	Description	Test Results Passed/Failed	
TDS-02-04	Create Graph (FR-04)	Plot a set of X values against a set of Y values and draw the line that results from the spline interpolation of the plotted points. Then, determine the confidence level of the graph.		
TDS-02-05	Create Graph (FR-04)	Plot a set of X values against a set of Y values and identify the outliers.		
TDS-02-06	Create Graph (FR-04)	Plot a set of X values against a set of Y values grouped by a third set of values and draw the line that results from the linear interpolation of the plotted points for each set of X,Y points plotted as part of each group. Then, determine the confidence level of the graph.		
TDS-02-07	Create Graph (FR-04)	Plot a set of X values against a set of Y values and save the produced graph as an image in PNG format.		

Test Design Specification Number (TDS)	Associated Requirement Identifier	Description	Test Results Passed/Failed	
TDS-03-01	Import Data (FR-01)	Perform automated testing for packages described in section 3.1.		
	Validate Data (FR-02)			
	Create Graph (FR-04)			
	Import Template (NR-02)			
	Inspect Data (NR-03)			