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Data Analysis – MATLAB & Simulink - MATLAB & Simulink

There are many ways to measure the scale or "dispersion" of a data sample. The

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MATLAB® functions max, min, std, and var compute some common measures: dx1 = max (count)-min (count) dx1 = 1×3 107 136 250. dx2 = std (count) dx2 = 1×3 25.3703 41.4057 68.0281. dx3 = var (count) dx3 = 1×3 10 3 × 0.6437 1.7144 4.6278.

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Data Analysis - MATLAB & Simulink - MathWorks

Data subsetting, trimming, intersecting, and spatial resolution adjustment. The toolbox includes classes to represent the important types of geospatial data, including "vector" points, lines and polygons, and spatially-referenced images,

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digital terrain elevation grids, and other gridded data sets. These classes help keep all the information for a given data set together in one place, ensuring self-consistency and ease of access.

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Data Import and Analysis. Import and export data, including large files; preprocess data, visualize and explore. Access data from text files, spreadsheets, hardware, other software, or the web. Explore the data to identify trends, test hypotheses, and estimate uncertainty. Create customized algorithms,

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Data Import and Analysis - MATLAB & Simulink - MathWorks ...

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programming language that expresses matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output, and formatted text in an executable notebook.

MATLAB - MathWorks - MATLAB & Simulink

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Explore data; build machine learning models;do predictive analytics. MATLAB® makes data science easy with tools to access and preprocess data, build machine learning and predictive models, and deploy models to enterprise IT systems. Access data stored in flat files, databases, data historians, and cloud storage, or

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connect to live sources such as data acquisition hardware and financial data feeds.

Data Science - MATLAB & Simulink - MathWorks

Data Analysis from Excel File. Learn more about tabular plot MATLAB Coder

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Data Analysis from Excel File - MATLAB Answers - MATLAB ...

The first step in analyzing data is to import it into the MATLAB® workspace. See [Methods for Importing Data](#) for information about importing data from specific file formats. [Exporting Data from](#)

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the Workspace When you analyze your data, you might create new variables or modify imported variables.

Importing and Exporting Data - MATLAB ... - MathWorks

Automatically generate code to fit and plot curves and surfaces, or export fits to the

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workspace for further analysis. Open the Curve Fitting App MATLAB ® Toolstrip: On the Apps tab, under Math, Statistics and Optimization , click the app icon.

Fit curves and surfaces to data - MATLAB - MathWorks

Guest blogger, Kelly Luetkemeyer, who is

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a senior software developer at MathWorks, returns with an article on displaying fault lines on a geographic globe. Kelly's previous articles included Tracking a Hurricane using Web Map Service , Visualizing the Gulf of Mexico Oil Slick using Web Map Service and Using RESTful Web Service Interface in

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R2014b MATLAB

Loren on the Art of MATLAB - MATLAB & Simulink

The MATLAB ® Basic Fitting UI helps you to fit your data, so you can calculate model coefficients and plot the model on top of the data. For an example, see

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Example: Using Basic Fitting UI. You also can use the MATLAB polyfit and polyval functions to fit your data to a model that is linear in the coefficients.

Linear Regression - MATLAB & Simulink - MathWorks

Use the data class to store S-parameters,

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noise figure in decibels, and frequency-dependent, third-order output (OIP3) intercept points.

Store result of circuit object analysis - MATLAB ...

Data Analytics with MATLAB. Adam Fillion, MathWorks. Using Data Analytics

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to turn large volumes of complex data into actionable information can help you improve engineering design and decision-making processes. However, developing effective analytics and integrating them into business systems can be challenging.

Data Analytics with MATLAB - Video -

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MATLAB - MathWorks

Data subsetting, trimming, intersecting, and spatial resolution adjustment. The toolbox includes classes to represent the important types of geospatial data, including "vector" points, lines and polygons, and spatially-referenced images, digital terrain elevation grids, and other

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gridded data sets. These classes help keep all the information for a given data set together in one place, ensuring self-consistency and ease of access.

Data Analysis - MATLAB & Simulink - MathWorks ??

The toolbox includes algorithms for

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continuous wavelet analysis, wavelet coherence, synchrosqueezing, and data-adaptive time-frequency analysis. The toolbox also includes apps and functions for decimated and nondecimated discrete wavelet analysis of signals and images, including wavelet packets and dual-tree transforms.

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Wavelet Toolbox Documentation - MathWorks ??

Data subsetting, trimming, intersecting, and spatial resolution adjustment. The toolbox includes classes to represent the important types of geospatial data, including "vector" points, lines and

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polygons, and spatially-referenced images, digital terrain elevation grids, and other gridded data sets. These classes help keep all the information for a given data set together in one place, ensuring self-consistency and ease of access.

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`x = 1:100; data =`

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```
cos(2*pi*0.05*x+2*pi*rand) +  
0.5*randn(1,100); data(20:20:80) = NaN;  
data(10:20:90) = [-50 40 30 -45 35];  
plot(x,data) Fill Missing Data To replace  
NaN values in the data and visualize the  
results, open the Clean Missing Data task.
```

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