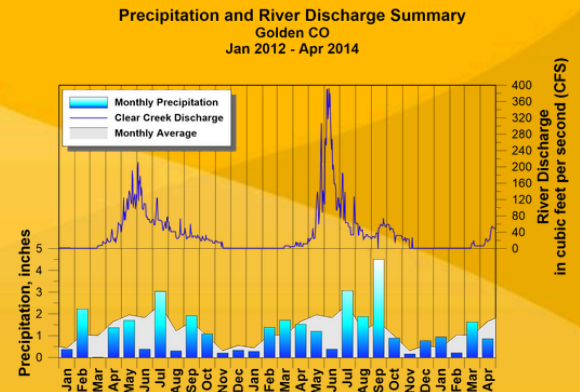




If you can imagine it, you can graph it



Making sense of data isn't just a task; it's a craft.

Grapher transforms complex data into clear, impactful visuals, presenting your insights at their best.

 **Present Your Data Accurately With 80+ Graph Options**
Grapher offers high-quality graphing tools so you can get the most out of your data. Grapher provides over 80 different 2D and 3D graphing options to suit multiple industries, from geology and hydrology to environmental work and construction.

Line/Scatter Plots

- Line
- Scatter
- Line/Scatter
- Step
- Bubble
- Class Scatter
- 3D Ribbon
- 3D Wall
- 3D Step
- XYZ Line/Scatter
- XYZ Bubble
- XYZ Class Scatter

Vertical/Horizontal Bar Charts

- Bar
- Floating Bar
- Category Bar
- 3D Bar
- 3D Floating Bar
- XYZ Bar
- XYZ Floating Bar

Histograms

- Histogram
- 3D Histogram

Pie Charts

- Pie
- 3D Pie
- Doughnut
- 3D Doughnut

Box Plots

- Vertical Box
- Horizontal Box
- 3D Box
- Notched Box
- Grouped Box

Vector Plots

- 1 & 2 Point Vector
- XYZ 2-Point Vector
- XYZ-dx,dy,dz Vector

Q-Q Plots

- Q-Q
- Normal Q-Q

Ternary Plots

- Ternary Line
- Ternary Scatter
- Ternary Line/Scatter
- Ternary Class Scatter
- Ternary Bubble
- Piper
- Piper Class Scatter
- Durov

Function Plots

- $Y = F(X)$ Function
- $X = F(Y)$ Function
- Parametric Function
- 3D $Y = F(X)$ Function
- 3D $X = F(Y)$ Function
- 3D Parametric Function

Geochemistry Plots

- Piper
- Piper Class Scatter
- Durov
- Durov Class
- Stiff

Polar Plots

- Polar Line
- Polar Scatter
- Polar Line/Scatter
- Polar Class Scatter
- Polar 1 & 2 Point Vector
- Polar Function
- Polar Bar
- Polar Rose
- Polar Wind
- Radar

Contour & Surface Maps

- Contour Data
- Contour Grid
- Contour Function
- Surface Data
- Surface Function
- Surface Grid

Specialty Plots

- Candlestick
- Open-High-Low-Close
- Math Plots

Customize Each Detail

Control every aspect of your plot down to the smallest detail. Grapher's extensive customization options empower you to narrate the intricate stories hidden within your data, making them easily comprehensible

- Add fit curves, error bars, confidence intervals, and statistical reports
- Include inset zoom
- Edit all axis parameters
- Scale axes as linear, logarithmic, natural logarithmic, or probability
- Combine multiple graphs
- Move and automatically disperse labels
- Easily filter data in and out of your plots
- Fully customizable date/time formatting
- Place graph components in a precise location
- Define and edit custom line styles, colors, symbols and fills, including gradient fills



Dive Into Analysis

Creating an impressive graph is only the start. Grapher can help you leverage your years of expertise with extensive analysis charts, tools, and statistical features. Identify trends, find new insights, and locate opportunities. Grapher developers listen to what scientists need to perform their jobs and have included pre-defined analysis tools, as well as the ability to add your custom tools.

Statistical Calculations

- First input row
- Last input row
- Number of values
- Number of missing values
- Sum
- Minimum and Maximum
- Range
- Mean
- Median
- Mode
- First quartile
- Third quartile
- Standard error of the mean
- 95% confidence interval for the mean
- 99% confidence interval for the mean
- Variance
- Average deviation
- Standard deviation
- Coefficient of variation
- Coefficient of skewness
- Coefficient of kurtosis
- Komogorov-Smirnov goodness of fit
- Critical Value of K-S statistic at 90, 95, 99% significance level

Pre-Defined Fit Curves

- Linear
- Log
- Exponential
- Power
- Spline Smoothing
- Polynomial
- Orthogonal Polynomial
- Through Origin
- Running Average
- Weighted Average
- LOESS (LOWESS)
- RMA (Reduced Major Axis)
- Normal Distribution (Gaussian)
- Lognormal Distribution
- Exponential Distribution
- Power Distribution
- Inverse Gaussian Distribution

Analysis Tools

- Math Plot
- Calculate area
- Plot thinning
- Export plot and fit data
- Digitize plot to extract coordinates

In addition to these pre-defined analysis tools you can perform custom functions, add custom fit curves, error bars, and confidence intervals.



Create Scripts to Automate Repetitive Tasks

Create scripts to automate repetitive tasks, and run your favorite scripts directly from Grapher's UI. Grapher can be called from programming languages such as C++, Python, or Perl. Grapher also ships with Scriptor, a built-in Visual Basic compatible scripting tool that can run with the script recorder to automatically transform actions performed in Grapher into a script, no prior knowledge required!



Share Data With Colleagues

No matter the industry, analyze, visualize, and share your data all in one workflow. Grapher provides the easiest way to clearly present discoveries to your colleagues, stakeholders, and clients.

- Jump-start your project with downloadable templates from our [Golden Gallery](#). They support science, engineering, finance, business data, and more.
- Easily import data from any source, including any Excel files (XLSX, etc.), DAT, TXT, CSV, plus many others.
- Document key design decisions and provide instructions to collaborators by adding comments in your project file.
- Cleanly publish your work by exporting to JPG, PNG, TIF, PDF, SVG, and more raster, vector, and data formats.

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Analyze complex data with ease,
create meaningful graphs with unparalleled speed,
and clearly communicate results to all audiences.

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