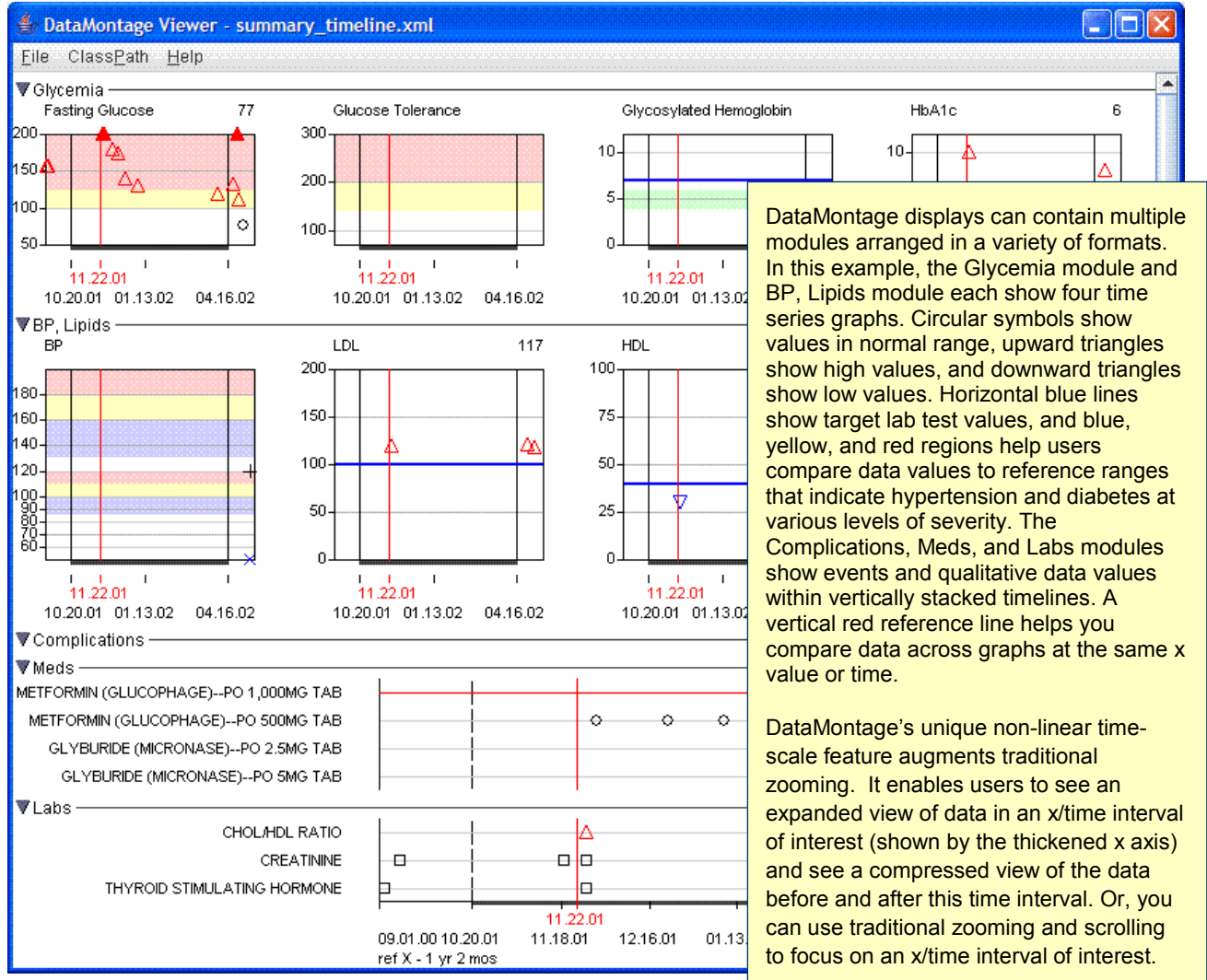


DataMontage 2.3 Overview

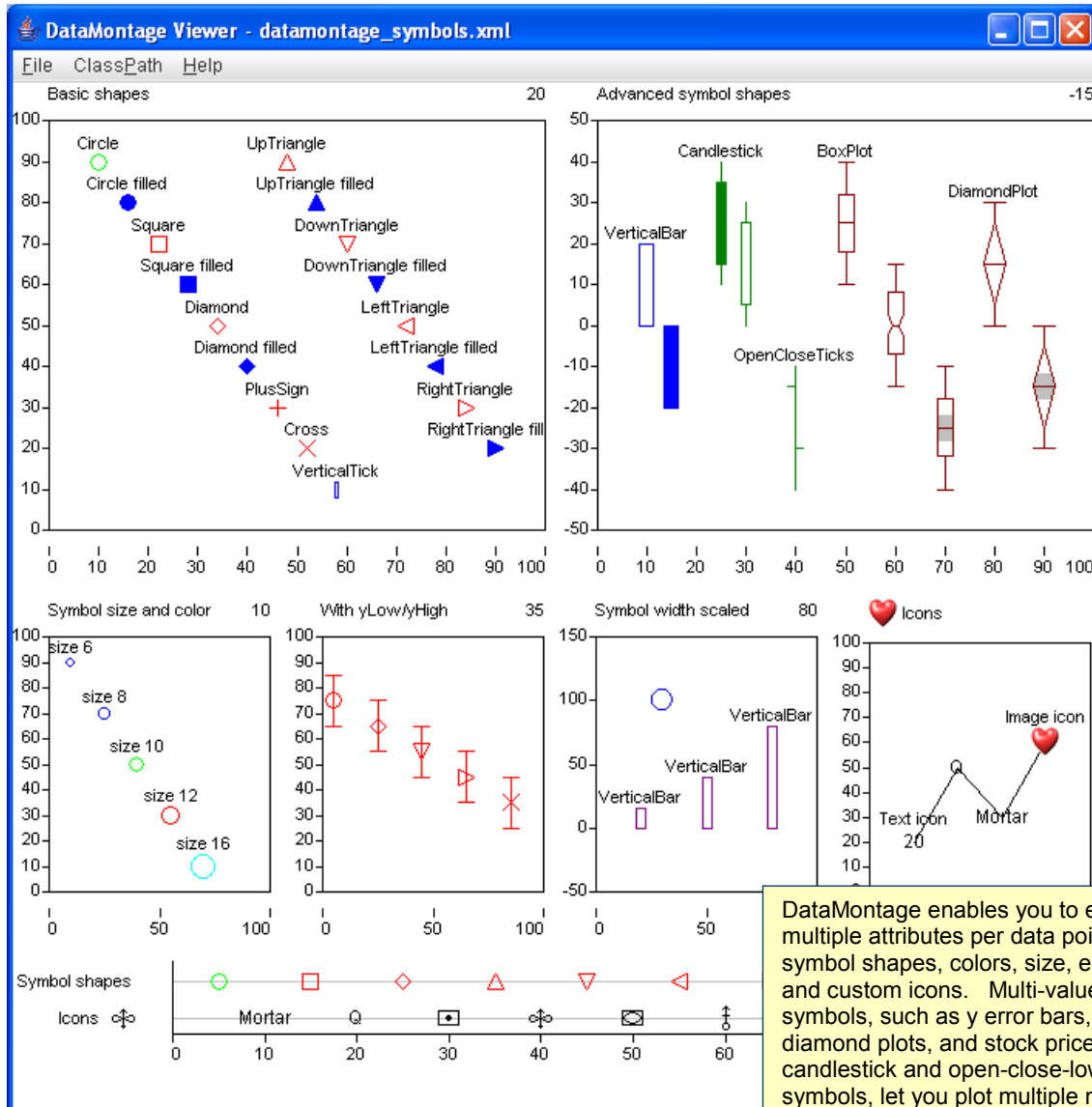
The DataMontage™ software system is a collection of software applications and libraries that enables you to create, display, and print interactive, synchronized, information-dense collections of timelines, XY graphs, and notes that share a common X or time axis. DataMontage can be used to display xy graphs and scatter plots, timelines and Gantt charts, bar graphs, dot plots, stock price graphs, box plots, and bubble charts.



You can stack graphs and timelines vertically or arrange them in rows and columns to see patterns spanning multiple variables. Flexible control over the color, shape, and size of graph and timeline symbols lets you encode multiple attributes and highlight significant data points. Custom icon support lets you draw data points using image icons, text strings, or arbitrary graphics drawn by custom drawing software. Colored lines and regions help you compare data points to reference values, time intervals, and ranges.

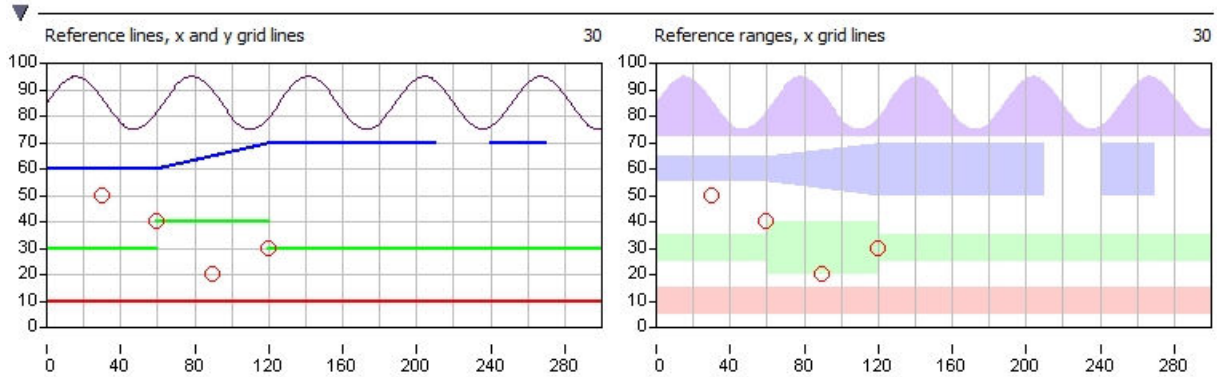
DataMontage lets you see additional information associated with each graphical data element using mouse rollovers, popup HTML windows, and navigation to another web page. Your Java applet, application, or web server application can configure the content and format of DataMontage objects via Java application programming interface (API). Programs written in Java or in other languages can configure DataMontage displays by creating Extensible Markup Language (XML) files. The DataMontage API also lets you create custom user-system interactions for displaying and entering information. You can define and select pre-defined graph subsets to filter large datasets. For example, you can view just the subset of a patient's diagnoses, labs, and medications graphs and timelines that relate to specific medical problems or clinical specialties. You can

also create pre-defined queries and highlight the data points and/or time intervals that satisfy certain selection criteria. For example, a data point query could draw a circle around every data point in any timeline that is related to the currently-selected data point, using a custom comparison function.



DataMontage enables you to encode multiple attributes per data point using symbol shapes, colors, size, error bars, and custom icons. Multi-valued symbols, such as y error bars, box plots, diamond plots, and stock price candlestick and open-close-low-high symbols, let you plot multiple numeric values using a single symbol.

DataMontage XY Graph Reference Lines, Regions, and Grid Lines



DataMontage lets you specify reference lines and regions that are bounded or unbounded in the x and y dimensions using constant values, piece-wise linear approximations, or JavaScript math expressions.

The pre-built DataMontage Viewer application enables you to open, display, print, and create JPEG files from DataMontage graphical displays. The DataMontage Editor enables you to create and edit the content, layout, and appearance of graphical displays easily. You can use the Editor to create graphical displays to review data, create graph mockups, and create graph templates that are populated with data by a software application that embeds the DataMontage run-time library. The extensive application programming interface enables you to embed DataMontage within custom applications and add custom user-system interactions.

Variable Name	DateTime	Symbol Group ID	Y Value	Y1	Y2	Y3
1	FPG	2000-09-28	high	156.0		
2	FPG	2000-10-23	high	156.0		
3	FPG	2001-11-26	high	250.0		
4	FPG	2001-11-27	high	207.0		
5	FPG	2001-11-28	high	215.0		
6	FPG	2001-12-07	high	180.0		
7	FPG	2001-12-14	high	174.0		
8	FPG	2001-12-21	high	140.0		
9	FPG	2002-01-04	high	130.0		
10	FPG	2002-04-05	high	119.0		
11	FPG	2002-07-12	high	131.0		
12	FPG	2002-10-01	high	211.0		
13	FPG	2002-10-30	high	111.0		
14	FPG	2003-01-16	normal	77.0		

The DataMontage Editor lets you specify the data content, layout, and formatting of graphical displays. The Overview Pane at left shows an icon for each graph object, such as a module, XY graph, timeline, or graph container. Using the Details Pane at right, you can specify the data content and appearance of the selected graph object.

Contact

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