

Coming Soon in **Tableau 8.0 Desktop**

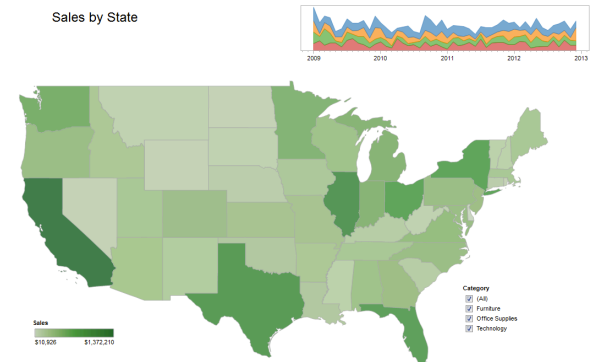
Tableau 8.0 is a major new release that includes new capabilities for all types of customers. This new version continues to extend Tableau’s ease of use, flexibility, and analytic power. The improvements range from new visualization types, built-in forecasting support, greater flexibility when working with sets and groups, dashboard design flexibility, more data sources, and increased performance.

Beautiful visualizations

New Visualizations: Treemaps, Bubble Charts, Word Clouds: We’ve added a number of new visualizations to Tableau letting you see your data in new ways. These visualizations are built-in to the Tableau experience and you can use them and interact with them with the same ease as any other Tableau visualization.



Freeform dashboards: This significant new capability on dashboards allows you to overlap the dashboard objects. For example, you can move legends directly on an empty area in a chart to both save space on the page and visually tie the legend to that specific chart. Layer text, images, and even other views on top of one another to achieve the ‘just right’ visual appearance of your dashboards.

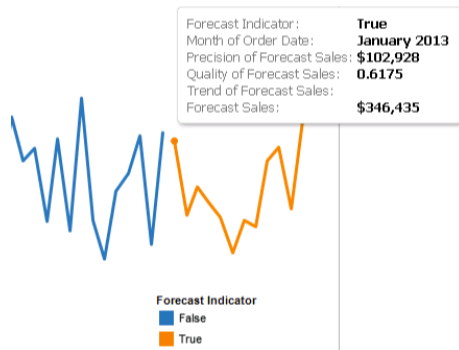


Enhanced Data labels: Data labels get a number of enhancements in this release. In addition to the convenience of quickly adding values to appear in the data labels by dropping fields on the new Marks Card, you can now add multiple fields to the data labels just by dragging multiple fields to the Marks card. Quickly adding multiple field values to the labels can dramatically help in understanding your view. Additionally, the same rich text editor that has been available in tooltips is available for formatting data labels.

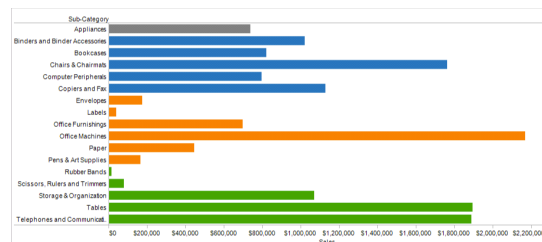
New algorithms optimize how labels are automatically placed to minimize overlapping values and display the right content more clearly.

Answer more questions

Forecasting: The new Forecasting capability allows you estimate future values by projecting data values into the future based on the historical data. Tableau 8.0 provides built-in statistical models to forecast your data including models that account for seasonality and trends

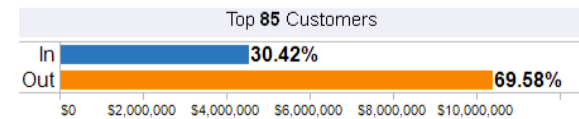


Visual Grouping: Grouping is most frequently used to combine members from a single dimension into higher-level categories. Groups are also very effective to correct simple errors in your data like differences in spelling or abbreviations, perform what-if analysis, and try out new levels of aggregation. Tableau 8.0 extends the grouping functionality to visually group data based on your data selection. You can now 'paint' groups visually directly in a view.

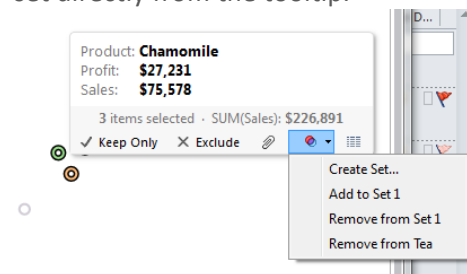


Sets: Sets provide a powerful way to analyze a collection of data values based on particular conditions. Tableau 8.0 extends the existing Sets functionality to let you compare members that belong in a set with those outside of the set. For example, answering the question, "What percent of my total revenue was generated by my top ten customers compared to the rest of my customers?" is easy to answer with the new sets in/out capability.

Additionally, you can now compare multiple sets to one another to determine intersections, union, or differences across the sets.

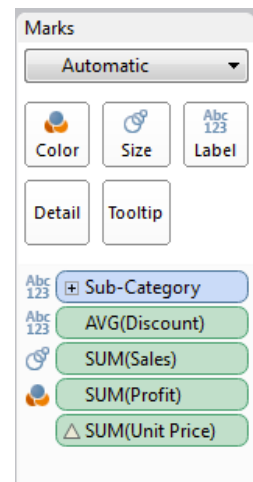


Finally, you can add and remove marks from a set directly from the tooltip.



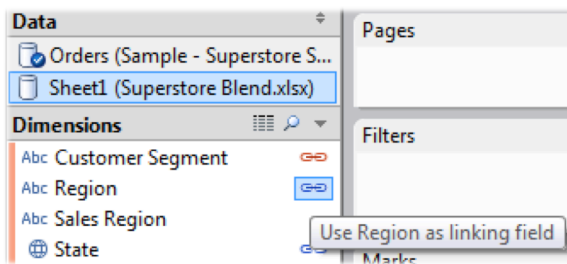
New Marks Card: The Marks card is the place where you drag and drop fields to control mark properties such as color, size, and level-of-detail. With Tableau 8.0, the Marks card is redesigned to be more intuitive and to help answer more questions.

The new Marks card gives you the ability to drop multiple items on the color, label, detail, and tooltip zones. For example, dragging multiple dimensions to Color combines the dimensions and colors the marks based on the new combined values.

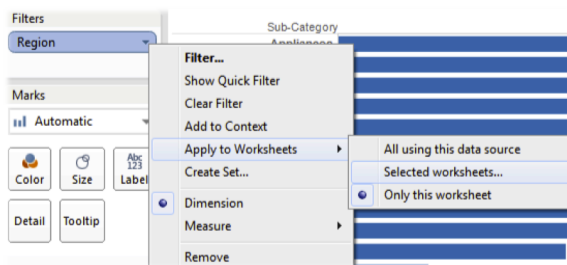


Working with data

Data Blending: Combining data from multiple data sources to use in a single visualization has been a powerful and popular feature in Tableau. In Tableau 8.0, you can blend data from multiple sources without including the linked field in the view itself. You can also see underlying data across both the primary and secondary data sources. Additionally, dimensions from secondary data sources can now be filtered regardless of whether they are a linked field.



Shared Filters: Filters can be applied locally to a worksheet or globally across the workbook. With Tableau 8.0 you can apply filters to a selected set of worksheets or dashboards. You can now filter some sheets but not others.



Custom SQL Parameters: Parameters continue to be a great way to add flexibility to the datasets you work with. Previously parameters could only be used in filters and calculations. You can now use these parameters in a Custom SQL definition to substitute dynamic values into the query for connections that use Custom SQL.

Refresh Data Server extracts based on a local data source: You can refresh your Data Server extracts using a local data source or file. This type of refresh is helpful when the data required for your extracts is not accessible on the Server. You can also execute the refresh from a command prompt (e.g., `tableau.exe refreshremoteextract`). This method is helpful if you want to schedule the extract refresh using a task scheduler such as Windows Task Scheduler.

API to create Tableau Data Extracts: Tableau provides direct support to a large number of data sources. However, there are times when you may want to pre-process or access and assemble data from other applications before using it in Tableau. An API is available with Tableau 8.0 to enable developers to write their own programs that access and process the data and then use the Tableau API to directly create a Tableau Data Extract (TDE) file. Tableau can then connect to this extract file natively. The TDE file can be used in Tableau Desktop or published to Tableau Server.

Salesforce.com: Tableau provides a native connection to all data on salesforce.com, force.com and database.com. Use this optimized experience to access your data and load it into a Tableau Data Extract. You can incrementally update the Data Extract to ensure that you are working with the latest data within Tableau.

Google Analytics: Tableau provides a native connection to data stored in Google Analytics. The experience is optimized to easily work with Dimensions, Measures, and Date Ranges within Google Analytics. The data is extracted into a Tableau Data Extract to minimize the impact on your Google Analytics quotas. You can incrementally update the extract to ensure that you are working with the latest data.

Performance

Fast graphics & calculations: The graphics drawing and calculation engines that are the underpinnings of Tableau have been significantly updated to focus on performance, including taking advantage of hardware acceleration provided by modern graphics cards. Drawing elements on the screen is dramatically faster in 8.0, which means less waiting when drawing complex views like scatter plots with tens of thousands of marks. The improved performance also allows for interactive responses to actions. For example, when sliding a quick filter, the view updates continuously while the slider is moving. This direct and instant-response performance makes the interactive nature of the application come to life.

Parallelized dashboards: Dashboards now compute each view on the screen in parallel, which improves the overall performance of displaying the dashboard. For example, a dashboard that has five sheets with charts that each take three seconds to query and display would take fifteen seconds in prior versions as each view was computed one after another. In Tableau 8.0 the five zones are computed in parallel, thus completing in 3 seconds. Of course other factors such as database contention on queries or overall resource contention on the machine may impact performance.

Performance Recorder: Tableau can help you analyze the performance of your workbooks and tune your workbook for optimal performance. Turn on performance recording to record metrics about the various activities and functions performed by the product. You can then look at the results to better understand what Tableau is doing and find areas to optimize your workbook behavior.

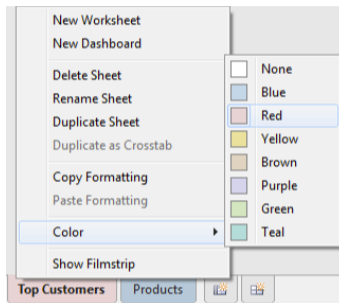
Data Engine & Extracts: Creating and working with extracts have a number of performance improvements. Extracts created by Tableau 8.0 will often be significantly smaller, especially when the data includes text values. The compression techniques for text data are substantially improved. One example is a 4.1GB extract file created in Tableau 7.0 only consumes 2.4GB in Tableau 8.0—a 40% savings.

Improvements on the time to create extracts and query performance of using extracts are both improved in Tableau 8.

Other improvements

Hyperlink objects: Add hyperlinks to captions, titles, and dashboard text objects simply by typing the link (e.g, <http://www.tableausoftware.com>). The link is automatically active and launches a new browser window when it is clicked.

Color-coded tabs: colors can now be assigned to tabs to easily categorize your sheets and dashboards.



New dashboard tab: You can now create new dashboards as quickly as you can create new sheets using the new dashboard tab in the sheet tabs at the bottom of the workbook.



PDF improvements: We've completely overhauled the PDF files created by Tableau. The resulting files are now up to 90% smaller than what they used to be. Additionally, text in PDFs is now searchable and can be selected and copied as individual text strings.