

Minitab® 22.3 Statistical Software

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1. Minitab 22.3 Features & Enhancements

Minitab Statistical Software Version 22.3.0 is available to customers who manage their Minitab subscription in the Minitab License Portal. This release includes new features and enhancements.

Wafer Plot

Wafer plot is a new visualization tool added to Graph Builder that provides the ability to pinpoint the locations of defective integrated circuits or chips across the wafer. Wafer plot is a specialized heatmap used in semiconductor manufacturing to identify potential root causes of manufacturing issues and facilitates the application of statistical process control methods to monitor and improve manufacturing processes.

Boxplot Y-scale Log Transformation

The Graph Builder now includes the option to apply a log transformation to the Y-scale on a Boxplot so you can visualize the distribution of continuous data that is highly skewed or affected by severe outliers.

Quick Designs

Quick Designs is a simple, guided dialog in the DOE menu to help get you started in choosing a design that is right for your problem. It encompasses most used design settings for: Definitive Screening, Factorial, General Full Factorial, Response Surface, Mixtures, and Taguchi designs.

Command Line and History (Web App Only)

The Command Line and History pane is now integrated into the Minitab Statistical Software web application. You can use this tool to quickly repeat an analysis on a new set of data or construct a macro to automate a series of analyses.

2. Problems Resolved in Minitab 22.3

Desktop and Web Application

Unintended behavior occurs in graphical summaries and small data. (187463)

Desktop Application

Preview does not work as expected when you open Excel files. (187771)

The WRITE command incorrectly limits the display of data. (187704)

Incorrect serialization occurs in the Analyze Response Surface Design dialog. (187284)

Excel project files cannot be opened in specific configurations. (187664)

The ROUND function generates inconsistent results with select variables. (177315)

Web Application

The deletion of report annotation does not work as expected. (187497)

Incorrect error handling occurs in Attribute Agreement Analysis with numbers as column names.
(187263)

ANOVA model controls do not handle certain characters. (183904)

3. Known Problems and Workarounds

Item 1

When you create a histogram, probability plot, or empirical CDF from the Graph menu and specify a distribution, Minitab may display an incorrect error, even if Data Options was used to exclude the portion of data that causes the error. (143049)

WORKAROUND: Before you create the graph, use Data > Subset Worksheet to create a new worksheet that excludes the offending values.

WORKAROUND: Create the graph using the normal distribution and then double-click the distribution displayed on the graph to specify a different distribution.

Item 2

If you use stepwise regression to analyze a mixture design with process variables, and one or more process variables are dropped by the stepwise procedure, the dropped process variables appear in the output with coefficients of zero. As a result, graphs of the model, including contour, surface, and optimization plots, show that the dropped process variables have no effect on the response, even though these variables were not included in the model. (9047)

WORKAROUND: Run the analysis again without the dropped process variables.

Item 3

Creating a Minitab graph can crash Minitab if you have an outdated or incompatible video card driver. (6501)

WORKAROUND: Upgrading to the latest video driver for your particular video card may fix this problem.

WORKAROUND: Choose File > Options > Graphics > Other Graphics Options and check Disable hardware acceleration.

Item 4

In rare circumstances, Minitab project files (*.MPJ, *.MPX) can become corrupt, and Minitab will be unable to open these files. (124217, 7128)

WORKAROUND: Locate the project's backup file (*.BAK file with the same name as the corrupt project located in the same folder). Launch a new instance of Minitab, then drag-and-drop the *.BAK file into Minitab. In most cases, this will recover the project. If the project recovers successfully, immediately save the project using a new file name. If this backup fails, contact Minitab Technical Support (<http://www.minitab.com/contact-us>).

Item 5

In rare cases, customers have received the following error message when opening a project file: "An error has occurred while reading project file: MYFILENAME.MPX." (8548, 8610, 8908)

WORKAROUND: Locate the project's backup file (*.BAK file with the same name as the corrupt project located in the same folder). Launch a new instance of Minitab, then drag-and-drop the *.BAK file into Minitab. In most cases, this will recover the project. If the project recovers successfully, immediately save the project with a new file name. If this backup fails, contact Minitab Technical Support (<http://www.minitab.com/contact-us>).

Item 6

Graphs based on models with weights do not show as out-of-date if you modify the data in the weight column. (172888)

Item 7

When you open a text file (*.TXT), the Preview window may appear empty if the first 100 or more rows are empty or when you type a value of 100 or greater in First row to import. (175474)

Item 8

The Cancel button in the standard toolbar is not responsive with a slow running macro. (179705)

WORKAROUND: Use the keyboard shortcut CTRL+Break.

Item 9

When you open a project in English that was created in a non-English language, the dialog boxes that you used will still appear in the non-English language. (179748)

Item 10

The legend for the Parallel Coordinates Plot may be incomplete until the graph is resized. (182566)

Item 11

If you send a large amount of output, such as a CART® Classification tree with many nodes, to Minitab Workspace® or Companion by Minitab, these applications may crash. (182523)

Item 12

Intermittently, Send to Microsoft Word® does not send all output from Minitab to Microsoft Word®. (179956)

Item 13

In some cases, printing a Parallel Coordinates Plot from the command level context menu in the Output Pane may not work and may prevent printing at the command level for other commands. (182664)

WORKAROUND: Print a Parallel Coordinates Plot from the graph context menu or copy or send to Microsoft Word®/PowerPoint® and print from those applications.

Item 14

If the internet is disconnected when you work with a project in an online repository (Microsoft OneDrive® or Google Drive™), the project in the repository may remain locked. (182648)

WORKAROUND: In the online repository, check in the project or discard the check out.

Item 15

To share Google Drive™ projects in Microsoft Edge®, change Tracking Prevention to Basic in the Microsoft Edge® privacy settings. (182646)

Item 16

To open worksheets (mtw and mwx) in the web version of Minitab when using Microsoft OneDrive®, you must use File > Open > Worksheet. You cannot open worksheets directly from Microsoft OneDrive®. (182652)

Item 17

In the web version of Minitab, you cannot copy CART® tree diagram items from the context menus when you use Safari®. (182654)

WORKAROUND: Select the tree diagram and use Command+C.

Item 18

When you share Minitab projects through email, the recipient can only download the project and not open it directly in the web version of Minitab. (182658)

WORKAROUND: Navigate to the Shared directory in Microsoft OneDrive®, click the ellipsis and then select Preview > Open > Open with Minitab.

Item 19

When you create a project in Minitab 22 that contains a CART® model that includes the Relative Variable Importance Chart, you will not see any of the CART® output associated with that model when you open the project in Minitab 20.1, 20.1.2, or 20.1.3. (183463)

WORKAROUND: Open the project in Minitab 22.

Item 20

Binned Scatterplots in the Graph Builder do not display on Virtual Machines. (183779)

WORKAROUND: In File > Options > Graphics > Other Graphics Options, check Disable hardware acceleration.

Item 21

Google Sheets™ cannot be opened in the Minitab Desktop app. (183961)

Item 22

Opening a project from a repository (Microsoft OneDrive® and Google Drive™) will cause the Desktop app to crash on Microsoft Windows 8.1. (184364)

WORKAROUND: Use the web app or upgrade to Microsoft Windows 10 or newer.

Item 23

The text in the Assistant Menu chooser dialog for Hypothesis Tests is misaligned.

WORKAROUND:

1. Right-click on desktop shortcut for Minitab Statistical Software.
2. Choose **Properties** and select **Compatibility**.
3. Under **Settings**, select **Change high DPI settings**.
4. Select **Override high DPI scaling behavior** and choose **System**.
5. Click **OK**.