

Minitab® 22.4 Statistical Software

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Minitab 22.4 Features & Enhancements

Minitab Statistical Software Version 22.4.0 is available to customers who manage their Minitab subscription in the Minitab License Portal. This release includes new features and enhancements.

Response Optimization in the Predictive Analytics Module

After creating a predictive model for a single response using TreeNet®, Random Forests®, or MARS®, you can now choose **Response Optimizer** from the toolbar positioned at the top of the model results. A new, interactive Optimization Plot can also be created to interactively determine the optimal settings for predictor variables that will lead to a desired outcome or response value.

Interactive Variability Chart in Graph Builder

An interactive Variability Chart is now included in the Graph Builder to visualize sources of variation and identify patterns between factors and a response.

Enhanced Graph Builder Editing of Labels

You can now modify the number of decimal places that Minitab displays by default for numeric axis tick labels and Y-value data labels on graphs produced from the Graph Builder by accessing the Options pane from the graph context menu.

Gage Studies Support VDA 5 Standards

Minitab's Type 1 Gage Study now supports the German Automotive Industry Association's VDA 5 standards, which focus on uncertainty-based approaches to Measurement Systems Analysis and provides guidelines for ensuring the capability and suitability of measuring systems in industrial manufacturing environments, particularly in automotive sectors.

Stability Study for Mixed Models

The Stability Study dialog now features a Batch input box on the main dialog so users can more easily specify a mixed model.

Problem Resolved in Minitab 22.4

Desktop Application

Screening DOE dialog limited available terms. (300567)

Web Application

N/A

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 you used Data Options 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: Conduct the analysis again without the dropped process variables.

Item 3

Creating a graph can cause performance issues if you have an outdated or incompatible video card driver. (6501)

WORKAROUND: Upgrading to the latest video driver for your 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. (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, 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 dialogs that you used display 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 to Minitab Workspace® or Companion by Minitab you may experience performance issues. (182523)

Item 12

Send to Microsoft Word® intermittently 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 app 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 app. (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™) causes the Desktop app to close 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 the 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**.