Minitab® 22.6 Statistical Software

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New Features in Minitab 22.6

Shewhart Charts with Extended Control Limits
Extended control limits are now available for Xbar-R, Xbar-S, Xbar, I-MR, and Individuals control charts. These limits accommodate acceptable shifts in the process mean, such as tool wear, raw material changes, or supplier changes, helping you focus on meaningful signals.

Acceptance Control Charts
Acceptance control charts provide a standards-based method to monitor process acceptability relative to specification limits in Minitab Statistical Software. Engineers can investigate process behavior using the same acceptance-based methodology used in production, reduce manual effort to maintain monitoring limits, and support AIAG/VDA-aligned quality practices.

Capability Indices Aligned with AIAG/VDA Standards
A new option in the Capability Analysis dialogs allows you to select capability and performance index names that align with the harmonized AIAG/VDA SPC manual, making results easier to interpret and communicate across industries.

Simplify Your Reliability Workflow
Reliability Distribution Analyses are now easier to set up and interpret in Minitab® Statistical Software. Define your data once for use across multiple tools, customize the results you see, and display censored observations clearly on probability plots.

Interactive Time-Weighted Control Charts
Explore time-weighted control charts more effectively with interactive navigation and improved visual consistency, making it faster and easier to detect patterns and special causes.

Customize and Explore Control Charts
Customize interactive control charts with reference lines and flexible control limit and center line labels.

Fractional Degrees of Freedom for Welch's t-Test
The 2-sample t-test now uses fractional degrees of freedom to calculate p-values and confidence intervals when equal variances are not assumed (Welch's t-test).

Enhancements to Statistical Output
The test tables for 1-sample t tests and paired t tests now display degrees of freedom. The orthogonal regression output tables have also been revised to more closely match the format and structure of other linear model outputs.

Problem Resolved in Minitab 22.6

Desktop and Web Applications

- Right-Censored Distribution Analysis with failure mode does not report parameters in the correct order. (391787)
- Demonstration Test Plan Results do not include all input details. (389118)

Desktop Application Only

- Validation for decimal comma-separated locales is incorrect for the spec comparison in the Stability Study dialog. (391758)
- Numeric validation is incorrect in the Graph options pane in some region/language combinations. (394948)

Web Application Only

- Pasting output tables into Microsoft® Word include incorrect formatting. (267913)

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**.