Minitab® 19 Statistical Software

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Part 1.   Introduction to Minitab 19
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Welcome to Minitab 19! Our latest release offers many new features, including:

- Enhanced Interface – Minitab 19's enhanced interface makes it much easier to manage and view the elements of your Minitab Project.

- AICc/BIC – The following commands include these criterion-based methods for reducing models:
    - Fit General Linear Model
    - Analyze Factorial Design
    - Analyze Variability
    - Analyze Response Surface Design
    - Definitive Screening Design
    - Fit Regression Model
    - Fit Binary Logistic Model
    - Fit Poisson Model
    - Binary Fitted Line Plot
    - Mixed Effects Model
    - Best Subsets Regression

- Correlation Updates – More easily visualize relationships using the new Matrix Plot.

- Bootstrapping/Resampling – Use this method to estimate the sampling distribution by taking multiple samples with replacement from a single random sample.

- Analyze Binary Response – Analyze a designed experiment that has a binary response for 2-level Factorial Design, General Full Factorial Design, Plackett-Burman Design, Definitive Screening Design, and Response Surface Design.

- Normal Capability Enhancements – Get a better estimate of the quality of your processes with enhanced functionality.

- Fit Regression Model – Visualize the results with the new Pareto Chart of Effects.

- Send Minitab output to a Companion by Minitab project.

- Improved performance:
    - 64-bit version is now available.
    - Regression, Binary Logistic, and Poisson algorithms are now much faster.

Visit www.minitab.com for more information.

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Part 2.   Known Problems and Workarounds
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Item 1
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When you create a histogram, probability plot, or empirical CDF through the Graph menu, Minitab may erroneously display an error message that the specified distribution cannot be used even if Data Options is used to exclude the portion of data that causes the error. For example, an error message might display when you exclude 0 and use the lognormal distribution, a distribution which is only valid for data greater than 0. (143049)

WORKAROUND: Use **Data > Subset Worksheet** to create a new worksheet that excludes the offending values prior to creating the graph.

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
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If you analyze a mixture design with process variables and stepwise regression, and one or more process variables is 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
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Creating a Minitab graph can crash Minitab if you have an outdated or incompatible video card driver.

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
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In rare circumstances, Minitab project files (*.MPJ, *.MPX) can become corrupt, and Minitab will be unable to open these files. (124217, 007128)

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
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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 using a new file name. If this backup fails, contact Minitab Technical Support (http://www.minitab.com/contact-us).

Item 6
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If you use Paste Special to export a Minitab graph to a Microsoft Office application, and select the Bitmap format, the color of the graph's Figure Region will change. (172256)

WORKAROUND: Export the graph as an Enhanced Metafile instead.

Item 7
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The model indicator at the top of a response column fails to indicate an out-of-date model if the model included weights. (172888)

Item 8
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Minitab will crash on a Microsoft Surface device if you use the keyboard combination CTRL+Break. (173392)

Item 9
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When opening a text file (*.TXT), the Preview window may appear empty if the first 100 rows or more are empty or when you type a value of 100 or greater in 'First row to import'. (175474)

Item 10
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A single factor may appear multiple times in the Response Optimizer graph. (174667)

WORKAROUND: Fit the same model again, then re-run the Response Optimizer with the same settings.

Item 11
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Sort order has changed when a column of data contains Unicode characters, including Asian characters. (179697)

Item 12
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You cannot open Minitab projects in two different versions of Minitab (for example, versions 18 and 19) at the same time. (179702)

Item 13
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The cancel button in the standard toolbar is not responsive with a slow running macro. (179706)

WORKAROUND: Use the keyboard shortcut CTRL+Break.

Item 14
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When you open a project in English that was created in a non-English language, the dialogs that you used will still appear in the non-English language.